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Year Book

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**Report on the KPIs of
NRIAG**

أهم الإنجازات في إطار الأستراتيجية القومية للعلوم والتكنولوجيا والإبتكار

مصر ٢٠٢٠

أولا: المسار الأول

تهيئة بيئة محفزة وداعمة للتميز والإبتكار في البحث العلمي

المحور الثالث: دعم وتنمية الموارد البشرية وتطوير البنية التحتية

- إعداد وتدريب الكوادر العلمية المتخصصة في مجالات اختصاص المعهد من حملة الدكتوراه والماجستير والكوادر الفنية المتخصصة لسد حاجة الهيئات العلمية والإنتاجية في مصر والعالم العربي من خلال دورات وبرامج تدريبية متخصصة.
- إنشاء مبني معامل المغناطيسية والكهربية

المحور الرابع تحقيق ريادة دولية في العلوم والتكنولوجيا.

- نشر الأبحاث والنتائج العلمية من خلال مجلة المعهد العلمية والتي يتم نشرها في دار النشر العالمية تيلور وفرانسيز Taylor & Francis.
- زيادة النشر العلمي بالدوريات العلمية المفهرسة دوليا.

المحور الخامس: الأستثمار في البحث العلمي والشراكة

- استشارات مقدمه لمصانع الأسمنت
- استشاره مقدمه لإنشاء أول محطه كهرومائية بمنطقة الجلاله
- استشاره مقدمه لشركة تطوير مصر لدراسة تأثير الاعمال الأنشائية علي أحد المناطق الأثرية المجاورة.
- استشاره هندسيه لدراسه أسباب هبوط أحدالكباري

المحور السادس: البحث العلمي والتعليم والثقافة العلمية

- استضافة زيارات مدارس ومجموعات للمتحن الخاص بالمعهد وتشمل: مدارس الشروق للغات ١٥٠ طالب مدرسة الرؤيه الحديثه ١٠٠ طالب مدرسة هارفارد للغات ٥٣ طالب
- عدد من المحاضرات العامه للجمهور في مجال الفلك محاضرات لجامعة الطفل في الفلك والزلازل بكل من جامعة أسوان وجامعة السادات ومقر أكاديمية البحث العلمي والتكنولوجيا
- زيارات لطلاب جامعات عين شمس والفيوم وحلوان
- زيارة طلاب البعثه الأندونيسييه ٥٤ طالب
- طلاب الإعدادى بالسفاره الإندونيسييه ٢٠ طالب
- إصدار الدليل الفلكي باللغتين العربية والإنجليزية وكتالوج الزلازل السنوي وكتاب علمي مبسط عن الزلازل وكتاب علمي عن أجهزة الردار مخترق الأرض وكتاب علمي عن أجهزة رصد وقياس مغناطيسية الأرض وكتاب علمي مقدمه الجيوفيزياء وكتاب عن الزلازل المولده.
- عدد من اللقاءات التلفزيونيه تتناول أنشطة المعهد منها لقاء في برنامج صباح الخير يا



مصر ولقاء مع التليفزيون الإيطالي لقاء تليفزيوني مع صدى البلد و dmc بمناسبة مرور عطارد أمام الشمس في ١١ نوفمبر ٢٠١٩ لقاء تليفزيوني عن تعامد الشمس على تمثال رمسيس مع صدى البلد لقاء مع قناة النهار عن نشاطات المعهد وعدد من الحلقات مع الأعلامى الشهير / محمد سعد في برنامجه، باب الخلق.

المحور السابع: التعاون الدولي

- المؤتمرات الدولية
 - المدرسة العربية الرابعة للفيزياء الفلكية
 - المؤتمر الدولي الرابع للأنتفاق
 - المنتدى الدولي للحفاظ المستدام للمواقع الأثرية من خلال الدراسات الإستباقية
 - التقنيات الحديثه فى تطبيقات التخريم المستخدمه فى المحاجر والتفجيرات
- مذكرات التفاهم والاتفاقيات مع الدول المتقدمة للارتقاء بمؤسسات البحث العلمي
 - المملكة العربية السعوديه (جامعة الملك عبد العزيز) الأكاديميه الروسيه للعلوم المركز الوطنى للفضاء- جامعة كيوشو -اليابان المركز الوطنى للأرصاد- الإمارات العربيه المتحده المجلس الوطنى الإيطالى للبحوث ومعهد التراث الأثرى والمعمارى اتفقيه علميه بين جامعة ساينز بماليزيا اتفاقية جامعة سامارا القوميه للبحوث جمهوريه روسيا الإتحاديه والمعهد
- منح السفر الدولية
 - منحه إلى المعهد الألماني لعلوم الأرض منحتان من خلال الصفيه الإفريقيه لرصد الزلازل بجنوب إفريقيا. منحه فى مجال الزلازل -ألمانيا. منحه إلى المركز الدولى للفيزياء النظرية-إيطاليا منحه إلى جامعة أونام المكسيك لمدة عام منحه إلى فى مجال الجيوفيزياء جامعة ريتسوميكان بكيوتو اليابان منحه لمدة ثلاثة أشهر من خلال برنامج سانديش من سبتمبر إلى ديسمبر ٢٠١٩ منحه لأبحاث مابعد الدكتوراه جامعة فرايبورج - ألمانيا لمدة عام منحه لبرنامج أمباسادا الفرنسى لبرامج الدكتوراه لمدة ستة أشهر
- تمثيل مصر فى اللجان والمنظمات الدولية
 - منظمة الحظر الشامل لإجراء التجارب النوويه
 - المركز الأوروبى المتوسطى للزلازل
 - المركز الدولى للزلازل
 - الإتحاد الأوروبى الدولى للجيوفيزياء
 - المفوضيه الإفريقيه للزلازل
 - المفوضيه الأوروبيه للجيوفيزياء
 - المفوضيه الأوروبيه للزلازل
 - الرابطة الدوليه لعلوم الزلازل والفيزياء
 - الرابطة الدوليه للجيومغناطيسيه وطبقات الجو العليا
 - الإتحاد الفلكى الدولى. لجنة أبحاث الفضاء(كوسبار)
 - اللجنه الوطنيه لعلوم الفلك والفضاء



- الجمعية الدولية للمرأة المسلمه في العلوم
- الرابطة العربية للفلك وعلوم الفضاء.
- الجمعية الأمريكية للفيزياء
- اللجنة الوطنية للطبيعة الأرضية ومقاييس الأرض.

ثانيا: المسار الثاني إنتاج وتوطين التكنولوجيا

المحور	الاتجاهات الاستراتيجية	المشروعات التفصيلية	هدف المشروع	مصادر التمويل	قيمة التمويل	تاريخ الانتهاء
الطاقة	الريادة في مجال الطاقة الجديدة والمتجددة	تقييم مصادر الحرارة الأرضية	تحليل وتفسير متكامل عن الوضع الحراري الارضي عن طريق عمل دراسات جيولوجية وحرارية أرضية و جيوكيميائية و جيوفيزيائية لتقييم إمكانات الطاقة الحرارية الأرضية في واحة الفرافرة. لتساعد النتائج في دعم الحكومة لتحديد أنسب المواقع المناسبة لعمل محطة للطاقة الحرارية الأرضية في واحة الفرافرة.	أكاديمية البحث العلمي والتكنولوجيا	مليون جنية	٢٠٢٠
		تصميم وتصنيع نموذج أولي لمركزات طاقه شمسيه شفافه مقرونه بخلايا شمسيه ليتم تطبيقها علي واجهات المباني (لكي يحل محل النوافذ التقليدية) لترشيد استخدام المكيفات وتوليد الطاقة الكهربائية النظيفة.	نيوتن- مشرفة	٢ مليون جنية	٢٠٢٠	



المحور	الاتجاهات الاستراتيجية	المشروعات التفصيلية	هدف المشروع	مصادر التمويل	قيمة التمويل	تاريخ الانتهاء
حماية البيئة والموارد الطبيعية	صون والبحث عن الثروات الطبيعية	تصنيف المصادر بإستخدام الطرق الموجيه	دراسة المصادر المختلفة للموجات السيزمية والتحت صوتية	أكاديمية البحث العلمي والتكنولوجيا	مليون جنية	٢٠١٩
		تطوير الشبكة القومية للزلازل وتطوير خوارزم تحديد بدايات الزلازل	تطوير الشبكة القومية للزلازل وتطوير نظم مراقبة الجودة وتطويرها لتصبح نظام إنذار مبكر	صندوق العلوم والتكنولوجيا	٢ مليون جنية	٢٠٢٠
		استكشاف المعادن الإقتصادية في الصحراء الشرقية	استخدام الطرق الجيوفيزيائية في التنقيب عن المعادن الأقتصادية في الصحراء الشرقية	صندوق العلوم والتكنولوجيا	مليون وخمسمائة ألف جنية	٢٠٢٢
		تعين كفاءة محطات الشبكة القومية للزلازل وقدرتها على التسجيل ومشاركة البيانات المسجلة في حساب المخاطر داخل وحول جمهوريه مصر العربي	تعظيم الاستفادة من الأستثمارات القومية في الشبكة القومية للزلازل من خلال دراسة وضع الشبكة وقدرتها على التسجيل ومشاركة البيانات المسجلة في حساب المخاطر داخل وحول جمهوريه مصر العربي	صندوق العلوم والتنمية التكنولوجية	٩٧٧,٠٠٠ جنية	٢٠١٧-٢٠١٩



المحور	الاتجاهات الاستراتيجية	المشروعات التفصيلية	هدف المشروع	مصادر التمويل	قيمة التمويل	تاريخ الانتهاء
التنمية المستدامة	المشاريع الاستراتيجية	دراسات المخاطر الزلزالية وطبيعة الموقع لمحطة الضبعة النووية	مراقبة النشاط الزلزالي بالمنطقة التعرف علي طبيعة التربة وضع تصميم للمفاعل مقاوم للزلازل والتسونامي	هيئة المحطات النووية	٨٠٠ ألف سنويا	مستمر
		رصد النشاط الزلزالي حول بحيرة ناصر وجسم السد العالي وخزان اسوان	دراسة النشاط الزلزالي حول بحيرة ناصر وتأثير تغير منسوب المياه علي النشاط الزلزالي وثبات جسم السد بالنسبة للنشاط الزلزالي	هيئة السد العالي	١,٣ مليون جنية	مستمر
		تقييم الثبات الرأسى وأفقى بأسوان	دراسة ثبات السد العالي وخزان اسوان	صندوق العلوم والتكنولوجيا	٣ مليون	٢٠٢٢
		دراسة تأثير تفجيرات محاجر شركات الاسمنت علي العاصمة الادارية الجديدة	دراسة تأثير تفجيرات محاجر شركات الاسمنت علي العاصمة الادارية الجديدة	أكاديمية البحث العلمي والتكنولوجيا	٩٩٧٢٩٠ جنية	مارس ٢٠١٢
		تقييم و تحديد المخاطر الزلزالية في مناطق جنوب سيناء و امتدادات مدينة القاهرة و منطقة قناة السويس	تقييم و تحديد المخاطر الزلزالية وتأثيرتها علي المنشآت والبنية التحتية في مناطق جنوب سيناء و امتدادات مدينة القاهرة و منطقة قناة السويس	صندوق العلوم والتكنولوجيا	٧٩٩٦٠٠ جنية	٢٠١٥-٢٠١٨



المحور	الاتجاهات الاستراتيجية	المشروعات التفصيلية	هدف المشروع	مصادر التمويل	قيمة التمويل	تاريخ الانتهاء
	تنمية المناطق الحدودية	تحديد العوامل الجيولوجية والجيوتقنية وكذلك مخاطر الزلازل في المدارس ومواقع البنى القومية في واحة الخارجة ، الصحراء الغربية ، مصر	دراسة المخاطر الجيولوجية والزلزالية للمنشآت الهامة في المناطق النائية والحدودية وكنموذج حالة لواحة الخارجة بالصحراء الغربية	أكاديمية البحث العلمي والتكنولوجيا	٩٩٩٥٢٠ جنية	٢٠١٨-٢٠٢٠
		تقييم موارد المياه الجوفية ببعض الوديان في منطقة المثلث الذهبي بصعيد مصر باستخدام البيانات الجيولوجية والجيوفيزيائية	تقييم موارد المياه الجوفية ببعض الوديان في منطقة المثلث الذهبي بصعيد مصر باستخدام البيانات الجيولوجية والجيوفيزيائية	صندوق العلوم والتنمية التكنولوجية	٢ مليون جنية	٢٠٢١
التطبيقات التكنولوجية والعلوم المستقبلية		الحشود النجمية قليلة الدراسات باستخدام التلسكوب الفضائي جايا	دراسة الحشود النجمية قليلة الدراسات باستخدام التلسكوب الفضائي جايا	أكاديمية البحث العلمي والتكنولوجيا	٢٠٠٠٠٠ جنية	٢٠٢٠



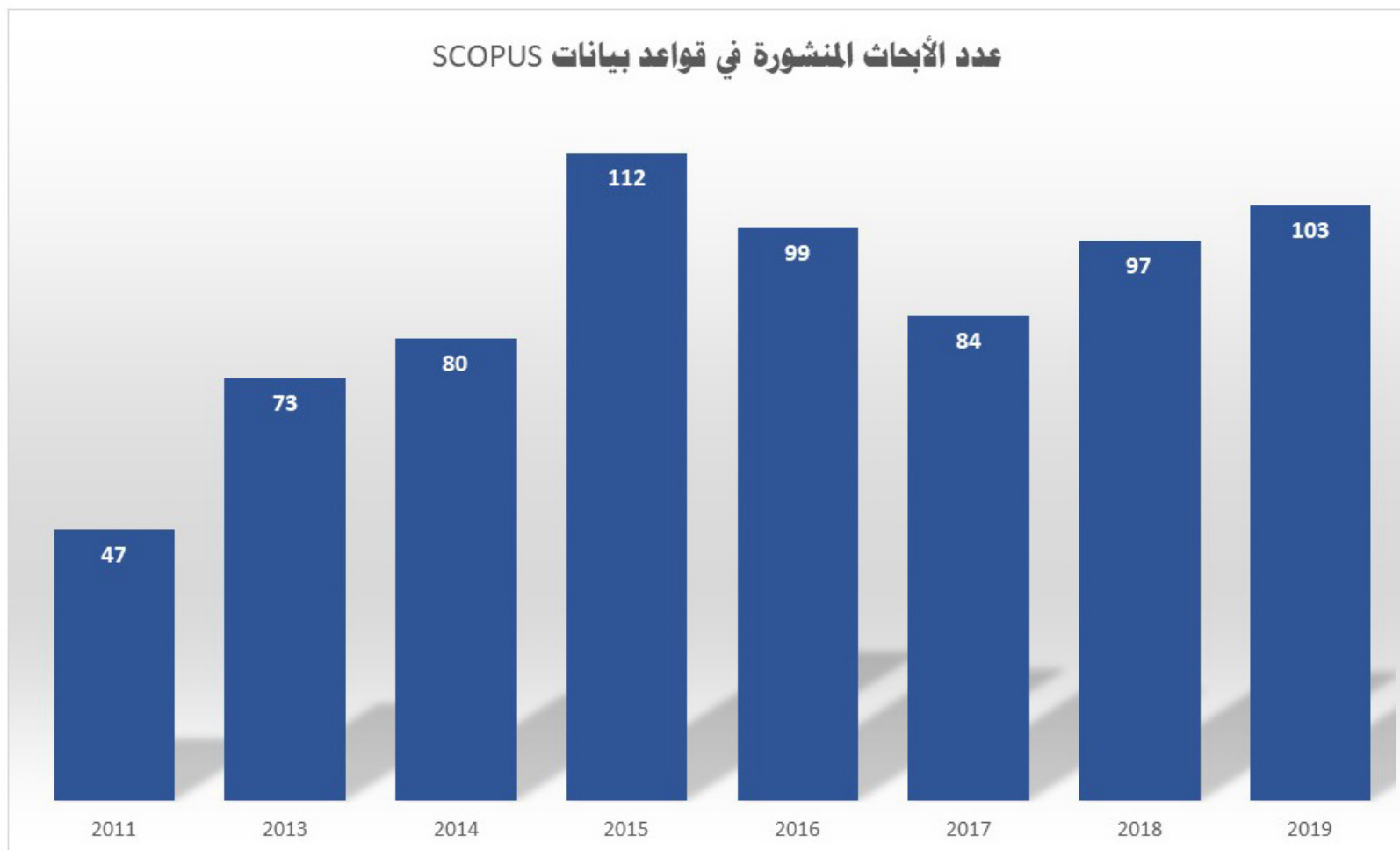
المحور	الاتجاهات الاستراتيجية	المشروعات التفصيلية	هدف المشروع	مصادر التمويل	قيمة التمويل	تاريخ الانتهاء
			التحقق من الغلاف الجوي للشمس أثناء الكسوف الكلي	أكاديمية البحث العلمي والتكنولوجيا - الأكاديمية البلغارية للبحث العلمي	٨٥٥٠٠٠ جنية	٢٠١٩
محور تكنولوجيا المعلومات والاتصالات والفضاء	تكنولوجيا الفضاء	مشروع القمر الصناعي المكعب	تصنيع قمر صناعي مكعب بخبرات مصرية وإختبار كافة اجزاء القمر في معامل مصرية في ظل تحالف بين جامعات ومراكز بحثية وقطاع صناعي	أكاديمية البحث العلمي والتكنولوجيا	١٠ مليون جنية	٢٠١٩
		مشروع إنشاء مرصد لرصد النفايات الفضائية	أنشاء مرصد بتليسكوب بصري رصد الأقمار الصناعية المنخفضة ونمذجة النفايات الفضائية وتأثيرها علي الأقمار الصناعية	تمويل ذاتي	٦٥٠ ألف جنية	٢٠١٧



المحور	الاتجاهات الاستراتيجية	المشروعات التفصيلية	هدف المشروع	مصادر التمويل	قيمة التمويل	تاريخ الانتهاء
		إنشاء التلسكوب المصري الكبير	سيكون تليسكوب سانت كاترين أكبر تليسكوب في منطقة الشرق الاوسط وشمال افريقيا وحوض البحر المتوسط .. ولضخامة هذا المشروع فمن المفترض ان يتم انشاؤه بشراكة دولية ، كما يمكن استثماره في مشاريع رصد دولية .. ايضا سيعمل هذا المشروع على تنشيط السياحة العلمية والدينية بالمنطقة	وزارة البحث العلمي	١٠٠ مليون جنية	٢٠٢٥
السياحة والآثار	الحفاظ علي الآثار وتوثيقها	الكشف عن البقايا الأثرية المصرية في منطقة اللاهون	استكشاف أثري لمنطقة اللاهون وتحديد الأماكن المحتمل تواجد أثار غير مكتشفة بإستخدام الطرق الجيوفيزيقية الحديثة والمسح الجيوديسي	أكاديمية البحث العلمي والتكنولوجيا	١ مليون جنية	٢٠١٩
		استخدام تكنولوجيا المسح الليزرى المتحرك ثلاثى الأبعاد فى تنيية وتطوير صناعة السياحه لمنطقة سقاره	أستخدام تقنيات المساح لليزر ي المحمول لعمل توثيق أثري لكامل منطقة سقارة الأثرية وعمل خريطة تفاعلية ثلاثية الأبعاد	أكاديمية البحث العلمي والتكنولوجيا	١ مليون جنية	٢٠١٩

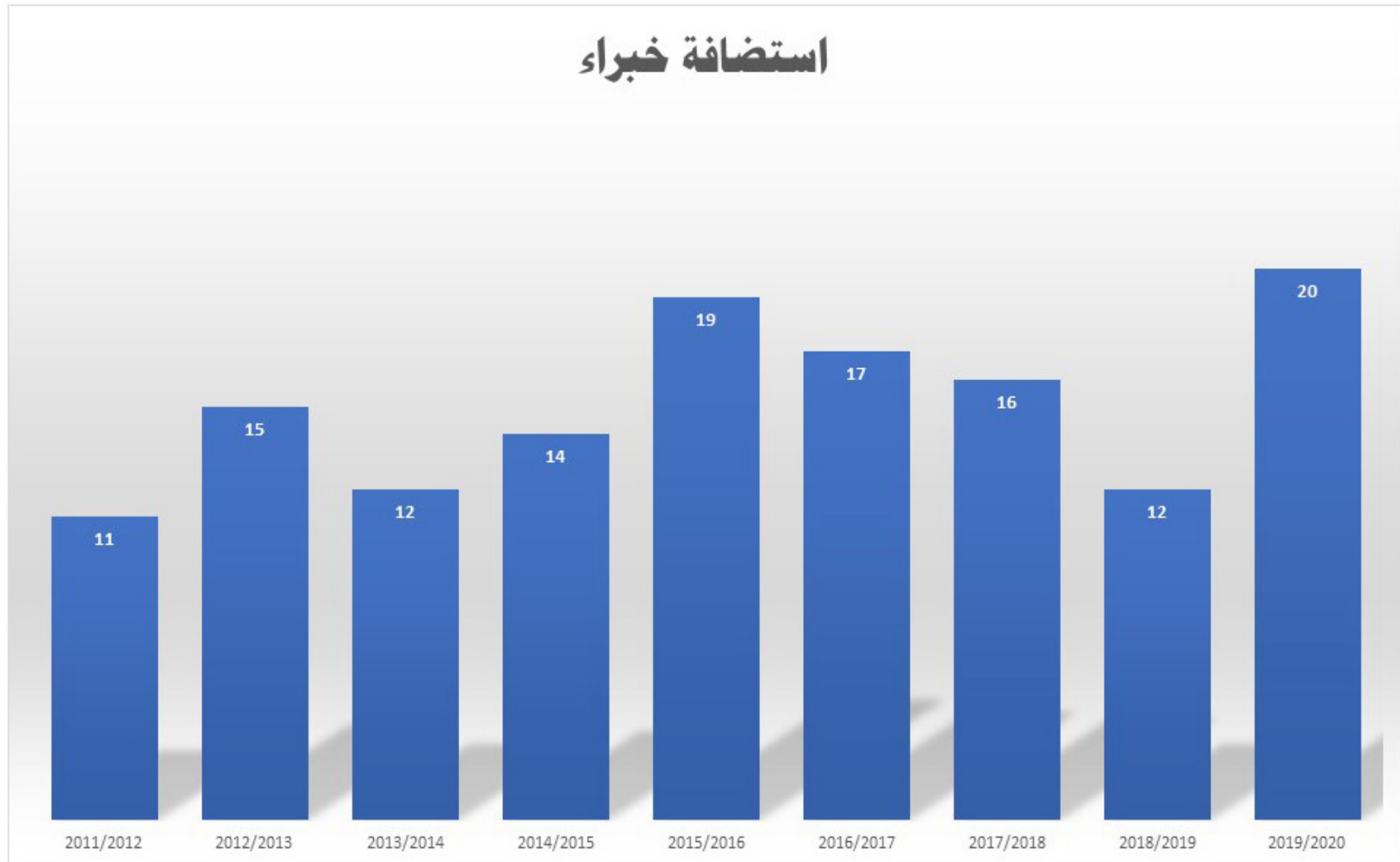


المحور	الاتجاهات الاستراتيجية	المشروعات التفصيلية	هدف المشروع	مصادر التمويل	قيمة التمويل	تاريخ الانتهاء
		إستخدام تقنيات الأستكشاف الجيوفيزيائي ونمذجة الواقع الافتراضي لإحياء المنطقة الأثرية بهواره	إستخدام التقنيات الجيوفيزيقية المختلفة والمسح الليزري وتقنيات الواقع الافتراضي لعمل نماذج لمنطقة هواره الأثرية ومشاكلها الجيوتقنية والمياه الجوفيه بالمنطقة	نيوتن - مشرفة	٢ مليون	٢٠٢٢





استضافة خبراء





المهام العلمية





NRIAG President



NRIAG President

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* Scientific Publication (National& International)

1-Manal M Osman, Gad El-Qady, Mahmoud II Mohamaden, Abdel Fattah Th 2019, Integration of VES and TEM Methods to solve Static Shift Technique, a Case Study at Shalateen, Red Sea Coast, Egypt. Journal of Alexandria for Science V.1, No.1

2-Tarek Ibrahim, Gouda Dabour, Minghua Ren, Gad El-Qady, Philip Goodell, Ibrahim Gaafar, Luis Sandoval, Munazzam Ali 2019, 129-132 pp. Book Ed. Petrogenesis and Exploration of the Earth’s Interior, Springer, Cham.

3-Gad El-Qady, Mohamed Metwaly, Mahmut Göktuğ Drahor2019, Geophysical Techniques Applied in Archaeology, 1-25 pp. Ch.1 Ed. El-Qady and Metwaly, Archaeogeophysics, Berlin, Heidelberg.

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1.NRIAG Journal of Astronomy and Geophysics, ISSN: 2090-9977, Publisher: Elsevier

2.African Journal of Earth Science, ISSN: 1464-343X, Publisher: Elsevier

3.Arabian Journal of Geosciences, ISSN: 866-7511, Publisher: Springer

* Conferences , Scientific Missions & Workshops

I have been involved in Organization, presentation and participation of many conferences, workshops and training courses at NRIAG and many others representing NRIAG. Some of these are as follow:

1.First meeting for young researchers, Sohag University, 4/02/2019

2.EGS annual meeting, March 2019.

3.BLUEMED, SEALINES Mediterranean Safety Network, CNR Italy, March, 2019;

4.The 4th. International Conference on New Horizons in Basic and Applied Science (ICNHBAS 2019)

5.STS forum, Oct. 2019, Kyoto Japan

6.ICEF forum, Oct 2019, Tokyo, Japan

7.IEEE Conference on Power Electronics and Renewable Energy (CPERE), Oct 23-25, 2019, Aswan, Egypt.

8.ETS Conference and Exhibition 2019, 3-5 December 2019, Luxor - Egypt

9.Sustainable conservation of UNESCO and other heritages sites through proactive geosciences (Dec 9-12, 2019) Luxor-Aswan, Egypt.

* Projects

-Team member of the project: Study of Hawara Pyramids to reduce the underground water

-Co- PI of project entitled “Assessment of Geothermal Resources in Farafra Oasis, Egypt” Funded by Academy of Egypt. From August 2017 to December 2019. (Project ID: 1351).

* Consultancy

Manage and supervise all the consultation of NRIAG. during 2019.

* Supervision of M.Sc. / Ph.D.

Supervision of 2 PDH (2 at Damietta University)

Supervision of 1 Master (Ain shams Univ)

* Books

yes

* Other

-Membership of committees:

1- supreme council of scientific research centers.

2- International relations committee.

3. The Strategic Planning Committee.

4-Publishing Committee (Editorial- in -chief of NRIAG journal)



Vice President of NRIAG



Vice President of NRIAG

Name: Hesham Hussein Mohamed Moussa
Position: Professor **Head of ENDC**
Email: hesham@nriag.sci.eg
Phone: 01062247756



* Scientific Publication (National & International)

Yassein . M. H., Elkhadr, A.A, Abuoelela. A. Mohamed, Hussein, H.M. and Mahmoud Sami Soliman (2108). Optimization a Ground Motion Prediction Equation for low to Moderate Magnitude Velocity Records In Egypt. Journal of Applied Geophysics, Volume 6, issue, 5, ver.ii, 59-73.

I. H. Hamama, Masa-Yuki Yamamoto, I.M. Korrat, H. M. Hussein and M. N. Elgabry (2109) Source Classification of natural and man-made infrasound events.

The 7th International Symposium on Frontier Technology (ISFT2019) at Ambassador City Jomtien, Pattaya, Thailand. 23-26 August, 2019.

* Reviews of Papers (National & International)

-A paper in the International Journal of Geoscience, 2019

-A paper in 2nd Euro-Mediterranean Conference for Environmental Integration 2nd Springer Euro-Mediterranean Conference for EnvirIntegration (EMCEI): 10-13 October, Sousse, Tunisia.

* Conferences, Scientific Missions & Workshops

-The 34 Annual Meeting of the Egyptian Geophysical Society, 19 March 2019. (4 papers) (We have won two awards for the best research papers).

* Projects

-Source Classification using waveform techniques, Academy of Science.

-Advanced Seismic Hazard Assessment in the Nile Delta, Including Site Effects from Distant Earthquakes, Mobility Project, STDF.

* Consultancy

Vibration Monitoring Test to test the safe zone of archaeological site at Sokhna, Tatweer Misr company.

* Supervision of M.Sc. / Ph.D.

Ph.D 1) Iman Zakaria Classification of Seismic and Infrasound Signals Using Machine Learning 2) Mona Abd Elazim Classification of Multiscale Seismic Sources MS.c Adel Sami Hassan Othman Discrimination between Earthquakes and Artificial Explosions

* Books

NA

* Other

CTBTO Activity of the Egyptian National Data Center 1) International Expert Meeting

A- Technical meeting on the IDC validation and acceptance plane: Evaluation of experimental 3, CTBTO, Vienna, Austria from 28 January to 1 February 2019.

B) 11 to 16 March 2019. B -NDC Workshop on IDC Progressive commissioning Plane, CTBTO, Vienna, Austria from 19-20 June 2019, (2 Researcher).

C- Technical Meeting on IDC Validation and acceptance plane, CTBTO, Vienna, Austria from 20-21 June 2019, (2 Researcher).

D- Technical Meeting on SHI Software engineering at the IDC, 1/7/2019 to 2/7/2019 Vienna, Austria

E- Expert Meeting on Special Studies and ETA with RN and ATM Methods, 3/10/2019 to 4/10/2019, Vienna, Austria.



Vice President of NRIAG

F-International Nobel Gas experiment Workshop, 2/12/2019 to 6/12/2019, Vienna, Austria. 2) On Site Inspection Training Cycle A-Training of Trainers Course, CTBTO, 17-21 June 2019, Siebersdorf, Austria.

B-On-Site Inspection Training Activity for the Third Training Cycle, 1/7/2019 to 17/7/2019, Siebersdorf, Austria.

C-Training for evaluation team CTBTO 2019, 9/9/2019 to 13/9/2019, Vienna, Austria.

D-OSI 3TC Additional Over flight Airborne Techniques Course (AOF-3TC), 22/9/2019 to 2/10/2019, Canada.

E-On Site Inspection Build up Exercise launch Phase (BUL-L), Vienna, Austria, 11/11/2019 to 15/11/2019. 3)

Training Courses

A- Access and Analysis of Waveform IMS Data and IDC Production, CTBTO, Vienna, Austria from 11/2/2019 to 22/2/2019.

B- NDC Waveform Training Course using Seiscomp3, CTBTO, Vienna, Austria from 6/5/2019 to 10/5/2019.

C- NDC Capacity Building: NDC Waveform Analyst Training Course. Vienna, Austria 3/11/2019 to 29/11/2019.

D-Infrasound Technology Workshop 2109, Jordan, 10/11/2019 to 14/11/2019. 4) Working Group B Meeting
This group deals with the technical aspects of the Comprehensive Test Ban Treaty (CTBT) and the drafting of the Manual on the On-Site Inspection

A- Meetings of the 52th session of the Working Group

B within the Egyptian delegation participating in the period from 25 March to 5 April, 2019 in Vienna, Austria.

B-Meetings of the 53th session of the Working Group B within the Egyptian delegation participating in the period from 26 August to 6 September, 2019 in Vienna, Austria



Astronomy Department



**Galactic & External
Galaxies Laboratory**



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

No	Name	Title	Activity
1	Ashraf Ahmad Shaker	Associate Professor and Head of the Lab.	Active
2	Ashraf Latif Tadross	Professor	Active
3	Aly Abdelwahab Haroon	Professor	On leave
4	Ibrahim Mohamad Yousef Selim	Professor	On leave
5	Anas Ibrahim Osman	Professor Emeritus	
6	Samir Nawar Adbelshaheed	Professor Emeritus	
7	Hamed Ahmad Abdelhamid	Professor Emeritus	
8	Yasser Hassan Mohamed Hendy	Associate Professor	Active
9	Reda El-Bendary Hamed	Associate Professor	Active
10	Alhassan Imam Ibrahim	Researcher	
11	Fatma Mohamed Reda	Researcher	On leave
12	Sabry Ali Mohamad	Researcher	On leave
13	Helal Ismaeel Abdelrahman	Researcher	On leave
14	Rasha Samir Eldaly	Researcher	Active
15	Ali Said Takey	Researcher	Active
16	Tarek Mahmoud Kamel	Researcher	
17	Eman Mahmoud Ahmed	Researcher	
18	Amira Ahmad Tawfeek	Researcher	Active & Postdoctoral Scholarship
19	Mohamed Hamdy Abdullah	Researcher Assistant (PhD. Student)	Active & Doctoral Scholarship
20	Doaa Ahmad El-Sayed	Researcher Assistant / Engineer (PhD. Student)	Active
21	Sherehan Mohamad Ahmed	Researcher Assistant (PhD. Student)	
22	Mohamed Farouk Aboushelib	Researcher Assistant (PhD. Student)	Active



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

No	Name	Title	Activity
23	Ahmed Mohamad Fouad	Researcher Assistant (PhD. Student)	Active
24	Wageh Ahmed Badawy	Researcher Assistant (PhD. Student)	
25	Nouran Essam Eldeen Abdelhamid	Assistant Researcher (MSc. Student)	
26	Ola Ali Mohamad	Assistant Researcher (MSc. Student)	Active
27	Abdelaziz Eid Abdelaziz	Assistant Researcher (MSc. Student)	Active
28	Islam Gamal Alhoseiny	Assistant Researcher (MSc. Student)	Active



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Ashraf Ahmed Shaker
👔 Position: Associate Professor
✉ Email: aa_shaker@yahoo.com
☎ Phone: 01004482474



* Scientific Publication (National& International)

• Fouad, Ahmed M.; Awad, Z.; Shaker, A. A.; Hayman, Z. M (2019): Colour similarity study among small galaxy groups members; NRIAG Journal of Astronomy and Geophysics Volume 8,1: 15-21. • Ahmed,N. ; Fekry M.; , Shaker, A.A. (2019): Transition from decelerating to accelerating universe with quadratic equation of state in $f(R,T)$ gravity; NRIAG Journal of Astronomy and Geophysics Volume 8,1: 198-203.

* Reviews of Papers (National& International)

NRIAG Journal of Astronomy and Geophysics

* Conferences , Scientific Missions & Workshops

“Global Partnership in Space Exploration and Innovation” Amman, Jordan 25-28 March 2019 •

• ألقى د. أشرف أحمد شاكر محاضرة عن « المذنبات التاريخية و أثرها المدمر على الأرض» بتاريخ ٢٢ إبريل ٢٠١٩ ضمن ندوة نظمها المعهد عن المذنبات.

– ألقى محاضرة عن « التقدم العلمي في دراسة المجرات خلال المائة عام الماضية » بتاريخ الإثنين ٢٩ يوليو ٢٠١٩ ضمن ندوة نظمها المعهد بمناسبة مرور مائة عام على تأسيس الإتحاد الدولي الفلكي.

• ألقى د. أشرف أحمد شاكر محاضرة بعنوان « إطلالة على علم الفلك » بتاريخ الإثنين ٩ سبتمبر ٢٠١٩ بمتحف الفن الإسلامي ضمن ندوة نظمها المعهد مع المتحف الإسلامي على هامش معرض الفلك بمتحف الفن الإسلامي بالقاهرة خلال الفترة من ٩/٩ إلى ٩/١٢ ٢٠١٩.

• ألقى د. أشرف أحمد شاكر محاضرة بعنوان « الفلك والحضارة الإسلامية » بتاريخ الخميس ١٢ سبتمبر ٢٠١٩ بمتحف الفن الإسلامي ضمن ندوة نظمها المعهد مع المتحف الإسلامي على هامش معرض الفلك بمتحف الفن الإسلامي بالقاهرة خلال الفترة من ٩/٩ إلى ٩/١٢ ٢٠١٩.

* Projects

Member of Kottamia center of excellence in Astronomy and space science

* Consultancy

in the relation between astronomy and archeology

* Supervision of M.Sc. / Ph.D.

1 M.Sc.(Ahmed Fouad), titled « Statistical and Observational Study of Some Galaxy Groups «Cairo Univ) awarded July 2019)

* Books

• تم طبع و إعداد كتيب ” المعهد القومى للبحوث الفلكية و الجيوفيزيقية و قرنين من البحث العلمى ” بواسطة الدكتور / أشرف أحمد شاكر المشرف على ذاكرة المعهد (مرفق نسخة من الكتيب) .

• تم إعادة طبع كتيب ” عالم المجرات ” إعداد د. أشرف أحمد شاكر و د. عيسى على عيسى.

* Other

منسق جامعة الطفل بالمعهد مشرف على ذاكرة المعهد عضو مجلس إدارة المتحف قائم بأعمال رئيس معمل المجرة و المجرات الخارجية عضو لجنة المعارض عضو الإتحاد الدولي الفلكي



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: PROF DR. Ashraf Tadross
📁 Position: Professor
✉ Email: altadross@gmail.com
☎ Phone: 01224095523



* **Scientific Publication (National& International)**

Photometric studies of star clusters based on GAIA mission's observations.

* **Reviews of Papers (National& International)**

I have reviewed 3 manuscripts submitted in NRIAG journal.

* **Conferences , Scientific Missions & Workshops**

I have attended 2 Conferences at NRIAG, and 1 scientific mission in Paris.

* **Projects**

I am the Egyptian P.I of Imhotep Project No. 42088ZK titled: (Poor Open Clusters in the Gaia era).

* **Consultancy**

Head of the media committee.

* **Supervision of M.Sc. / Ph.D.**

I am the supervisor for 1 Ph.D. and 1 M.Sc. students, helping many other colleagues at the Astronomy Dept.

* **Books**

I have prepared my 6th book in simplifying sciences titled: (Illustrative information in astronomical culture).

* **Other**

Respond to all media for astronomical matters. I have an electronic site for helping in the dissemination of astronomical culture.



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Yasser Hassan Mohamed Hendy
📁 Position: Associate Professor
✉ Email: yasserhendy@nriag.sci.eg
☎ Phone: 01007580213



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

٤٢٠٨٨ZK زياره علميه لمرصد باريس وتعتبر الزياره الاولى لمشروع امحوتب رقم لدراسة الحشود النجميه المفتوحه من خلال حقبة جايا

* [Projects](#)

IMHOTEP project number 42088ZK to study open star clusters in the Gaia Era.

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

October 2019, Ph.D thesis under title: «Spectroscopic analyses of B-type stars in open star clusters» Mohamed Hassan Mohamed El-Depsey Assistant Researcher, Stellar Lab.,NRIAG

* [Books](#)

NA

* [Other](#)

- الترقية لدرجه استاذ باحث مساعد فى الفيزياء الفلكيه
- عضو باللجنه المنظمه للملتقى العلمى لعام 2019
- (KFISP)التدريب على جهاز المطياف الجديد الخاص بمرصد القطاميه الفلكى مع الدكتور الامريكى ديفيد واخذ ارساد باستخدامه واستخدام الكاميرى الجد



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Reda El-Bendary
📁 Position: Researcher
✉ Email: reda_awamy@yahoo.com
☎ Phone: 01112884696



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

Member in the project « Poor open clusters in the Gaia era» Agreement no. 42088 ZK

* [Consultancy](#)

عمل حوار في قناة العربية AHC بعنوان « علم الفلك بين الواقع والتنجيم بتاريخ ٢٠١٩-١١-٩ »
<https://www.youtube.com/watch?v=٧٢٦s=٥uArG-nMEtU&t=watch?v>

- حضور ندوة بمتحف الفن الاسلامى بالقاهرة بعنوان « في فلك يسبحون » بتاريخ ٢٠١٩-٩-٧

* [Supervision of M.Sc. / Ph.D.](#)

الإشراف على رسالة الماجستير ل مساعد باحث / اسلام الحسينى بمعمل المجرة

* [Books](#)

NA

* [Other](#)

Paper submitted to : Research in Astronomy and Astrophysics Its entitled “ Comprehensive study of the newly discovered open cluster Gulliver ١١ using Gaia DR٢” Eslam, G. Elhosseiny١, M. N. Ismail٢, A. L. Tadross١, R. El-Bendary١, H. H. Selim١ and A. H. Ibrahim٢٠٢٠/٢٠١٩
٢ التدريس في جامعة حلوان في الترم الاول للعام الجامعى ٢٠٢٠/٢٠١٩
لطلاب الفرقة الثالثة بكلية التربية شعبه علوم اساسى و شعبه جيولوجيا والتدريس لطلاب الفرقة الرابعة بكلية العلوم جامعة حلوان / علوم
حضور ندوة بمتحف الفن الاسلامى بالقاهرة بعنوان “ علم الفلك بين الواقع والتنجيم بتاريخ ٢٠١٩-١١-٩ ” بعنوان AHC فضاء عمل حوار في قناة العربية
<https://www.youtube.com/watch?v=٧٢٦s=٥uArG-nMEtU&t=٧٢٦s-٩-٧> بتاريخ ٢٠١٩-٩-٧



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Rasha Mohamed Samir Eldaly
👛 Position: Researcher
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☎ Phone: 01000247820



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

A Pre Proposal under evaluation at the STDF. It is entitled «Multi-wavelength study of galaxy groups and clusters» and submitted for Call 7 / STDF Basic & Applied Research Grants (STDF-BARG) / Basic & Applied Research Grants. The project duration will be 3 years.

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

- 1- A Paper submitted to Astrophysics and Space Science Journal (AP&SS) under the title: “The Fundamental Plane of Brightest Cluster Galaxies and Isolated Elliptical Galaxies” Samir R. M., Takey A., and Shaker A. A.
- 2- Participating in training course in Astrophysics for students of grade 4, Physics Department, Faculty of Science, Ain Shams University, that was held at NRIAG, 15-18 July, 2019.
- 3- Participating in preparing NRIAG annual activity book for 2018 as a representative of Astronomy Department.
- 4- Member of the International Astronomical Union (IAU)
- 5- Member in the Scientific Society of Astronomy & Space in Egypt - SSAS Egypt.



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Ali Takey
👔 Position: Researcher
✉ Email: ali.takey@yahoo.com
☎ Phone: 01000243673



* Scientific Publication (National& International)

I have published a paper and contributed in another one. The two papers are published in an international journal with Impact Factor = 5.231.

1- Title : The 3XMM/SDSS Stripe 82 Galaxy Cluster Survey - II. X-ray and optical properties of the cluster sample Authors: Takey, Ali; Durret, Florence; Márquez, Isabel; Ellien, Amael; Molham, Mona; Plat, Adèle Journal:Monthly Notices of the Royal Astronomical Society (MNRAS) Bibcode:2019MNRAS.486.4863T DOI link: <https://doi.org/10.1093/mnras/stz1097>

2- Title:Fundamental parameters of isolated galaxy triplets in the local universe:Statistical study Authors : Tawfeek, Amira A.; Ali, Gamal B.; Takey, Ali; Awad, Zainab; Hayman, Z. M. Journal:Monthly Notices of the Royal Astronomical Society (MNRAS) Bibcode : 2019MNRAS.482.2627T DOI link : <https://doi.org/10.1093/mnras/sty2729> The two papers are indexed in my Scopus and ORCID accounts as: - Scopus link : <https://www.scopus.com/authid/detail.uri?authorId=53878523000> - ORCID link : <https://orcid.org/0000-0003-1423-5516>

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

Scientific mission: Postdoctoral fellowship funded by the Matsumae International Foundation (MIF) in Japan. The fellowship is for six months from 01 July to 30 December 2019. The study is done at the Hiroshima Astrophysical Science Center (HASC) of Hiroshima University, Higashi-Hiroshima, Japan. Workshop during the scientific mission: Title : Time-domain astronomy workshop 2019 Place : Tohoku University, Sendai, Japan Dates: 14 - 18 October 2019 Website : <https://sites.google.com/view/tda-tohoku2019/> Kind of participation :oral presentation talk title : Supernovae observations in Kottamia Astronomical Observatory and the new optical instrument KFISP

* Projects

- I have submitted a proposal in September 2019 to the STDF for call 11 (2019) of the Joint Egyptian Japanese Scientific Cooperation (JEJSC), International Cooperation Grants. It is now under evaluation. The project duration will be 24 months. The title o

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

Three PhD thesis:

1. Student name: Amira Ahmed Tawfeek Thesis title: Fundamental parameters of isolated galaxy triplets in the local Universe Other supervisors: Dr. Zainab Awad University : Faculty of Science, Cairo University Year : 2015 - 2019 Status : completed, Amira Tawfeek is now a postdoc at the UNAM university, Mexico.
2. Student name: Mona Molham Mostafa Thesis title: Observational study of X-ray selected galaxy cluster sample Other supervisors: Dr. Nicolas Clerc (France) University : Faculty of Science, Cairo University Year : 2016 - Status : ongoing thesis
3. Student name: Ahmed Mohamed Fouad Abdalla Thesis title: A photometric and spectroscopic study on some newly discovered supernovae Other supervisors: Dr. Zainab Awad University : Faculty of Science, Cairo University Year : November 2019 - Status : ongoing thesis



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

* Books

NA

* Other

- I have participated in installation of the new instrument (KFISP) to be attached to the 1.88-m telescope at the Kottamia Astronomical Observatory (KAO). - I have participated in testing process of the KFISP during the visit of two Japanese researchers



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Amira Ahmad Tawfeek
📁 Position: Researcher
✉ Email: amira_nriag@yahoo.com
☎ Phone: 01061542992



* Scientific Publication (National& International)

Tawfeek, Amira A.; Ali, Gamal B.; Takey, Ali; Awad, Zainab; Hayman, Z.M., Fundamental parameters of isolated galaxy triplets in the local universe: statistical study, 2019, MNRAS, 482,2627

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

October, 2019: Oral Presentation entitled “Are galaxy triplets physical bounded systems? ” in IRyA, UNAM, Morelia, Mexico June, 2019: Workshop for undergraduate students on «Galaxies surface photometry analysis» SCIENTIFIC VISITS May, 2019: Postdoc position in IRyA, UNAM, Morelia, Mexico

* Projects

Automatic detection and characterization of bars in local cluster galaxies, a postdoc project in IRyA, UNAM, Mexico.

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

Dr. Gamal Bakr Ali (PhD) Dr. Ali Takey (PhD)

* Books

NA

* Other

NA



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Mohamed Hamdy Abdullah Elhashash
👔 Position: Researcher Assistant (PhD. Student)
✉ Email: melha004@ucr.edu
☎ Phone: 9515366643



* **[Scientific Publication \(National& International\)](#)**

GalWeight Application: A publicly-available catalog of dynamical parameters of 1,800 galaxy clusters from SDSS-DR13, (, accepted for publication in ApJS, Impact Factor 8.311

* **[Reviews of Papers \(National& International\)](#)**

NA

* **[Conferences , Scientific Missions & Workshops](#)**

NA

* **[Projects](#)**

The Cluster Mass Function and the Richness-Mass relation of Galaxy Clusters

* **[Consultancy](#)**

NA

* **[Supervision of M.Sc. / Ph.D.](#)**

Gillian Wilson

* **[Books](#)**

NA

* **[Other](#)**

NA



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Doaa Elsayed Mohamed Eid
📁 Position: Researcher Assistant (PhD. Student)
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☎ Phone: 01000167840



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Participant in the first summer school for new and renewable energy from 6 July to 11 July 2019 Attendance the IEEE CONFERENCE ON POWER ELECTRONICS AND RENEWABLE ENERGY in ASWAN-EGYPT from 23 October to 25 October 2019

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Participating in several missions activities of Kottamia Astronomical Observatory (KAO).

I attended a lecture by Dr. David valls Gaboud, entitled The Bayesian Methods of Astronomy, on 8-10-2019.

I attended a lecture under the title “the equipment necessary for the rehabilitation of sites” by Dr. Zuhair bin Khaldoun on the day AH 2109.

Participation in the installation of a spectrograph (KFISP)



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Mohamed Farouk Aboushelib
👛 Position: Researcher Assistant (PhD. Student)
✉ Email: M.f.aboushelib@nriag.sci.eg
☎ Phone: 01005096851



* [Scientific Publication \(National& International\)](#)

Aboushelib, M.F., Abozaid, A.A., Nawar, S. et al. Preliminary site selection for an observatory in the Egyptian Eastern Desert. 2019. Astrophys Space Sci. 364, 163

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

A lecture and observations in Aswan, Abu Simbel and Qena from 18 to 26/02/2019 A lecture in Tanta University 08/04/2019 Observations of Twilight at Kottamia Observatory from 07 to 10/03/2019 Participation in training for students from faculty of science, Cairo University at Kottamia Observatory from 22 to 23/06/2019 Observations of Partial Lunar Eclipse at Kottamia Observatory from 16 to 17/07/2019 A lecture at NRIAG for students from Faculty of science, Alexandria University A seminar at NRIAG and Faculty of science, Cairo University for PhD admission 23/09 and 01/10/2019

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Assistant of the IAU outreach coordinator



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Ahmed Mohamed Fouad Abdalla
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: ahmed19_87@yahoo.com
☎ Phone: 01111215168



* [Scientific Publication \(National& International\)](#)

<https://doi.org/10.1080/20909977.2019.1615793>

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

STDF (2531), STDF (5217)

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Participated in Installing the KFISP spectrograph on KAO telescope. Guided the visitors for one week in the Museum of Islamic Art, Cairo.



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Ola Ali
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: astroolaali@yahoo.com
☎ Phone: 01000167814



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Member of the local organizing committee for the Fourth ArAS School for Astrophysics (ArAS SfA-4)

* [Projects](#)

Member of Imhotep Project «poor open clusters in The GAIA ERA»

* [Consultancy](#)

Attending 5 weeks during the installation of the new spectrograph in Kottamia observatory

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

- Give training to the 4th year student, Astronomy dep., Faculty of Science, Cairo University, (second term 2019)
- Secretary of Scientific Society of Astronomy & Space (From 2015 till now).
- Participating in organizing a public event for July 2019's par



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Abdelaziz Eid Abdelaziz Eid
👛 Position: Assistant Researcher (MSc. Student)
✉ Email: abdelazizeid3@gmail.com
☎ Phone: 01026656778



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

1- I attended the 6th Arab Conference in Astronomy and Geophysics in NRIAG.

2- I was a student at The 40th International School for Young Astronomers (ISYA) 2018 in Egypt.

3- I also was a student at the The the Fourth Arab Astronomical Society (ArAS) School for Astrophysics (ArAS SFA-4) that held in the Kottamia Astronomical Observatory, Egypt October 19-26, 2019.

* [Projects](#)

NA

* [Consultancy](#)

1- I was assigned with a group of colleagues to give lectures at the Children's Museum and the Nuba Museum and scientific dose in Qena city and cover the perpendicularity of the sun appeared on the face of Ramses II at his great temple in Abu Simbel, Aswan in February 2019.

2- I also was assigned to give lectures and training the Children at the Children's University of Aswan University in Aswan in July 2019.

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

I was assigned to give lectures and training at the Children's University of Al Menoufia at the NRIAG Museum in August 2019, and many activities in the Institute such as visits from universities' students to learn about astronomy and various astronomical phenomena during the current year 2019.

I am working on my master thesis and its title is «Study of Eclipsing Binary Systems in Some Open Clusters «and we will send the research in December 2019.



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

👤 Name: Eslam Gamal Mohamed Elhosseiny
👔 Position: Assistant Researcher (MSc. Student)
✉ Email: eslam_elhosseiny@nriag.sci.eg
☎ Phone: 01093466810



* Scientific Publication (National& International)

NA

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

- Participation in a mission as a one of series missions to choose a suitable site for establishing the Egyptian Large Optical Telescope (ELOT) in Harghada, Egypt (29 January to 4 February 2019).
- Participation in Abu Simbel Sun Festival Event beside series of astronomical nights (Nubian Museum, Nile Museum and Abu Simbel) Aswan, Egypt (18-23 February 2019).
- Astronomical night for people as a participation in the 3rd Annual Dose of Science Qena, Egypt (24-25 February 2019).
- Participation in the installation of the new part (KFISP) in the telescope of Kottamia Observatory, Egypt (22-29 March 2019).
- Attendance a training at Cadi-Ayyad University and Oukaimeden Observatory, Morocco (14-30 April 2019).
- Attendance some lectures about site testing presented by Prof. Zouhair BenKhalidoun (Cadi-Ayyad University & Oukaimeden Observatory) at NRIAG, Helwan, Egypt (26 June to 3 July 2019).
- Participation in the observation of the lunar eclipse in NRIAG, Helwan, Egypt (16-17 July 2019).
- Attendance some lectures about 100 Years Under One Sky, International Astronomical Union (IAU) Celebration at NRIAG, Helwan, Egypt (29 July 2019)
- Participation in the observation of the new moon in order to determine the beginning of Muharram Islamic month in El-Wady El-Gedid, Egypt (28-30 August 2019).
- Attendance a training on the new system KFISP for one week at Kottamia Observatory, Egypt (15-20 September 2019)
- Attendance some lectures about the site testing and variable sky presented by Michel Dennefeld (Sorbonne University, Paris) at NRIAG, Helwan, Egypt (30 September to 2 October 2019).
- Attendance a lecture about the Statistical Astronomy presented by David Valls-Gabaud (Observatoire de Paris, Paris) at BUE, Cairo, Egypt (09 October 2019).
- Attendance another lecture about the Statistical Astronomy presented by David Valls-Gabaud (Observatoire de Paris, Paris) at NRIAG, Helwan, Egypt (13 October 2019).
- Attendance the Fourth ArAS School for Astrophysics (ArAS SfA-4) that held in the Kottamia Astronomical Observatory, Egypt (19-26 October, 2019).
- Participation in the observation of the new moon in order to determine the beginning of Rabi' al-awwal Islamic month in El-Wady El-Gedid, Egypt (27-29 October 2019).

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

* Books

NA

* Other

- Member in the Scientific Society of Astronomy & Space in Egypt (SSAS-Egypt).
- Submission of the first paper to RAA Journal (06 November 2019)



Stellar Laboratory



4- Astronomy Department

4-2 Stellar Laboratory

No.	Name	Title	Activity
1	Hadia Hassan Selim	Professor and Head of the Lab	Active
2	Mohamed Nouh	Professor	Active
3	Magdy Mahrous El Khateb	Professor	On leave
4	Magdy Rabie Sanad	Professor	Active
5	Abdelnabi Saad	Professor	On leave
6	Mohamed Sayed Abuelela	Professor Emeritus	
7	Nabil Shokry Awadalla	Professor Emeritus	Active
8	Farouk Abd El Badaea	Professor Emeritus	
9	Magdy Abd El Malek Hanna	Professor Emeritus	Active
10	Somaya Saad Mohammed	Professor Emeritus	Active
11	Ahmed Essam Elsayed	Professor Emeritus	Active
12	Yosry Ahmad Azzam	Associate Professor	Active
13	Farag Ibrahim Younis	Associate Professor	Active
14	Mohamad Abdelsabour Abdellatif	Associate Professor	Active
15	Nasr Mahrous Ahmed Khalifa	Associate Professor	Active & On leave
16	Elbaz I. Abouelmagd	Associate Professor	Active
17	Waleed Elsanhoury	Associate Professor	On leave
18	Nihad Saad Abdelmotaleb	Researcher	
19	Ghada Farouk Mahmoud	Researcher	
20	Mahmoud Hassan Mahmoud	Researcher	
21	Mohamad Ahmad El- Khamisy	Researcher	On leave
22	Ibrahim Zead Ibrahim	Researcher	Active
23	Ahmed Shokry Elshaer	Researcher	Active
24	Diaa El Din Abd El Rady	Researcher	
25	Gamal El Din Mohamed	Researcher	
26	Ahmed Nakhlawy Hussein	Researcher Assistant (PhD. Student)	
27	Mohamad Ahmad El Sadek	Researcher Assistant (PhD. Student)	Active



4- Astronomy Department

4-2 Stellar Laboratory

No.	Name	Title	Activity
28	Mohamed Esmail	Researcher Assistant/Engineer (PhD. Student)	
29	Mohamed Hassan Eldepesy	Researcher Assistant (PhD. Student)	
30	Amal El-Sayed	Researcher Assistant (PhD. Student)	Active
31	Mohamed Said Darwish	Researcher Assistant (PhD. Student)	Active
32	Mohamed Abdel Karim	Researcher Assistant/Engineer (PhD. Student)	
33	Islam Mohamed Helmy	Assistant Researcher/Engineer (MSc. Student)	Active
34	Mohamed Shappan	Assistant Researcher (MSc. Student)	Active
35	Raouf Hassan Hanafy	Assistant Researcher (MSc. Student)	
36	Samah Hosny	Assistant Researcher (MSc. Student)	Active



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Hadia Selim
👛 Position: Professor
✉ Email: drselim.selim3@gmail.com
☎ Phone: 01005471023



* [Scientific Publication \(National & International\)](#)

3

* [Reviews of Papers \(National & International\)](#)

8

* [Conferences, Scientific Missions & Workshops](#)

Loc chair fourth Arab School of astrophysics

* [Projects](#)

2 project under reviewer

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

4 M.sc.

* [Books](#)

NA

* [Other](#)

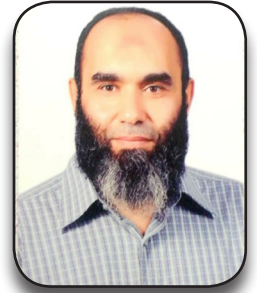
Chair scientific society of astronomy and space



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Mohamed Nouh
👔 Position: Professor
✉ Email: abdo_nouh@hotmail.com
☎ Phone:01028262239



* Scientific Publication (National& International)

1. M. I. Nouh and W. H. Elsanhoury, 2019, Kinematics and Velocity Ellipsoid of Halo Red Giants, Astrophysics, In press.
2. M. I. Nouh and M. M. Elkhateeb, 2019, Photometric Investigation of Some W UMa Systems, Astrophysics, in press.
3. B. Korany and M. I. Nouh, 2019, X-ray warm absorber variability of the Seyfert Galaxy Arakelian 564, Astrophysics, 62, 293.
4. W. H. Elsanhoury and M. I. Nouh, 2019, PPMXL and Gaia Morphological Analysis of Melotte22 (Pleades) and Melotte25 (Hyades), New Astronomy, 72, 19.
5. M. I. Nouh, 2019, Computational Method for a Fractional Model of the Helium Burning Network, New Astronomy, 66, 40.

* Reviews of Papers (National& International)

- 1- New Astronomy, Elsevier.
- 2-Applied Mathematics and Computations, Elsevier
- 3-NRIAG Journal of Astronomy and Geophysics, Taylor&Francis

* Conferences , Scientific Missions & Workshops

NA

* Projects

- 1.Conservation laws of some fractional nonlinear evolution equations.
- 2.Multi traveling Wave Solutions for some Nonlinear Fractional Equations of Mathematical Physics.
- 3.Kinematics and Velocity Ellipsoid of Halo Red Giants,.

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

- 1- Physics of White Dwarfs, Lambert Publishing, Germany.
- 2- Modeling Stellar Atmospheres, Lambert Publishing, Germany.

* Other

NA



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Magdy Rabie Sanad
👔 Position: Professor
✉ Email: mrsanad1@yahoo.com
☎ Phone:01283880567



* [Scientific Publication \(National& International\)](#)

1 paper accepted for publication in 2019 in International Journal

* [Reviews of Papers \(National& International\)](#)

2 papers in international journals

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Review of Ph.D dissertation



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Nabil Shoukry Awadalla
👛 Position: Professor Emeritus
✉ Email: Nsawadalla@yahoo.com
☎ Phone:01224197233



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

1

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

1

* [Books](#)

NA

* [Other](#)

NA



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Magdy Hanna
👔 Position: Professor Emeritus
✉ Email: magdyh_nriag06@yahoo.com
☎ Phone:01281318575



* Scientific Publication (National& International)

3

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

1

* Projects

1

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

PhD.

* Books

NA

* Other

Seminars & lectures



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Somaya Saad Mohamed Saad
👔 Position: Professor
✉ Email: saadmhsaad@gmail.com
☎ Phone: 01113996884



* Scientific Publication (National & International)

NA

* Reviews of Papers (National & International)

NA

* Conferences , Scientific Missions & Workshops

March 27 «Year Under One Sky 100» One Day workshop titled - 2019 .Dec 19-17 ,1st Shaw-IAU Workshop on Astronomy for Education The -
2019 Academy of Scientific Research and Technology « 100 عام تحت سماء واحدة و 50 عام في الفضاء » 29 يوليو 2019

* Projects

Principal Investigator of «Kottamia Center of Scientific Excellence for Astronomy and Space Science « KCSCE
« STDF 5217»

* Consultancy

رئيس اللجنة الوطنية للفلك وعلوم الفضاء
الإشراف على الفاعليات والتدريب بمركز التميز العلمي بالقطامية التنسيق لمتابعة احداث اقتراب المشتري من الأرض 2019
الإشراف على مقرر العمل للفرقة الرابعة قسم الفلك - علوم القاهرة
المشاركة والإشراف على برامج الأرصاد باستخدام تلسكوب القطامية الفلكي
رئيس لجنة المعارض بالمعهد ومتابعة اعمال معرض «عين على الأرض»
الإشتراك بالإجتماع التأسيسي للرابطة العربية لعلوم الفلك والفضاء بمرصد القطامية 21 أكتوبر 2019
الإشتراك في إعداد ملف التلسكوب الفلكي الجديد

* Supervision of M.Sc. / Ph.D.

MSc « Study of Eclipsing Binary Systems in Some Open Clusters « Al Azhar University PhD « Studying
high-mass star forming regions using MASER emission « Al-Azhar University

* Books

NA

* Other

إعداد كتيب بمناسبة مرور 100 عام على تأسيس الإتحاد الدولي الفلكي
إعداد كتيب بمناسبة مرور 150 عام على نشر مندليف الجدول الدوري للعناصر بعنوان "بصمة العناصر بالكون"
إعداد كتيب عن عبور عطارد بعنوان "دليلك لمشاهدة عطارد"



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Ahmed Essam Elsayed Mohamed

👔 Position: Professor

✉ Email: essam60@yahoo.com

☎ Phone: 01281058622



* Scientific Publication (National & International)

1. Olivera Latkovic, Attila Cseki, Gojko Djurasevic, Ahmed Essam, Amal S. Hamed, and Shahenaz M. Youssef Long-Term Spot Stability in the Post-Common-Envelope Binary Qs Vir. The Astronomical Journal, 157:3 (15pp), 2019 January
2. M.A. EL-SADEK, G. DJURAŠEVIĆ, A. ESSAM, M.A. HANNA, M.Y. AMIN, Z.M. HAYMAN, N.S. AWADALLA A Photometric Study of Two Recently Discovered Contact Binaries-I: UCAC4 479-113658 and UCAC4 479-113711. New Astronomy 69 (2019) 21-26
3. Mahmoud AbdelFattah NegmEldin, Ahmed Essam Elsayed and Shahinaz Mostafa Yousef Physical properties of three short period close binaries: KIC 2715417, KIC 6050116 and KIC 6287172 Research in Astronomy and Astrophysics (RAA) 2019 Vol. 19 No. 2, 25(14pp)
4. Ahmed Essam Mouhamed, Abdel-Sabour and Gamal Bakr Ali KAO-EGYPT J064512.06+341749.2 is a Low Amplitude and Multi-Periodic δ Scuti Variable Star JAAVSO Volume 47(1), 2019

* Reviews of Papers (National & International)

1. اغسطس ٢٠١٩ قمت بتحكيم كتاب في الثقافة الفلكية للجنة النشر بالمعهد بعنوان مقالات في الثقافة الفلكية (الجزء الاول)
2. اكتوبر ٢٠١٩ قمت بتحكيم بحث لمجلة المعهد تحت مسمى A Search for Evolutionary Changes in the Periods of Five Classical Cepheid Stars: R Cru, T Cru, XZ Car, X Lac and WZ Car

* Conferences, Scientific Missions & Workshops

NA

* Projects

- 1 تطوير مرصد القمامية STDF-Capacity Building ٢٥٣١- صندوق العلوم والتنمية التكنولوجية وزارة البحث العلمي - رفع الكفاءة العملية للمنظار الكبير بمرصد القمامية الفلكي - باحث رئيسي
- 2 تعاون بحثي في دراسات الانفجارات في نطاق اشعة جاما من خلال متابعة الرصد الفلكي في مصر واليابان STDF-JEJSC صندوق العلوم والتنمية التكنولوجية وزارة البحث العلمي رصد فوتومتري باستخدام المنظار ١,٨٨م بمرصد القمامية الفلكي لمناطق انفجارات اشعة جاما في الكون وعمل دراسات ونشر ابحاث في مجلات علمية متخصصة عضو

* Consultancy

- 1 عضو الاتحاد الفلكي الدولي
- 2 امين عام الجمعية الفلكية المصرية للفلك والفضاء ومقرها المعهد القومي للبحوث الفلكية والجيوفيزيقية
- 3 عضو اللجنة الفنية لوضع مواصفات واستلام جهاز رصد الأجسام السماوية الخافتة (المطيايف)

* Supervision of M.Sc. / Ph.D.

- 1 محمد أحمد الصادق دكتوراه - علوم القاهرة Photometric Study of Some Newly Discovered Short Period Eclipsing Binary Stars
- 2 أمل سيد حامد دكتوراه - علوم القاهرة Optical Multiband Study for Some X-Ray Binary Stellar System

* Books

NA

* Other

- اكتشافات قمت باكتشاف تغير بعض النجوم مع بعض الرملاء بالقسم باستخدام ارساد منظار القمامية ١,٨٨م وتم تسجيل اسم النجم لكل هذه الاكتشافات بوضع اسم مرصد القمامية اولاً ثم اسم مصر ثم احداثيات النجم في موقع الجمعية الأمريكية لراصدي النجوم المتغيرة. وروابط الاكتشافات موضحة في الجدول التالي: ١ KAO-EGYPT ٢٥٧٥٣,٦-KAO-EGYPT J1٥٥٨٢٨,٠٨ ٢ ٢٣-٠٤-٢٠١٣ A. Essam ٣٠٥٠١٨=<https://www.aavso.org/vsx/index.php?view=detail.top&oid=٣٤١٧٤٩,٢+J٠٦٤٥١٢,٠٦>



4- Astronomy Department

4-2 Stellar Laboratory

- <https://www.aavso.org/vsx/index.php?view=detail.top&oid> ٣٩٨٩٠٤=KAO-EGYPT J٢٠٠١٠٧,٧٠٣ ٢٨-٠٦-٢٠١٤ A. Essam
- [KAO-EGYPT ٤٢٣-١٠-٢٠١٦ M. A. El-Sadek, A. Essam, M. S. Darwish, A. Shokry, M. Ismail](https://www.aavso.org/vsx/index.php?view=detail.top&oid) ٤٧٤٧٤٨=org/vsx/index.php?view=detail.top&oid
- [A. Essam, M. A. El-Sadek, G. M. Hamed, M. Shaban, and](https://www.aavso.org/vsx/index.php?view=detail.top&oid) ٤٧٤٨٥٤=org/vsx/index.php?view=detail.top&oid ٤٤٠٥٢٠,٢+J٢١٤٢٥٨,٢١
- [M. A. El-](https://www.aavso.org/vsx/index.php?view=detail.top&oid) ٤٧٥٩٦١=org/vsx/index.php?view=detail.top&oid ٤٤٠٠١٥,١+KAO-EGYPT J٢١٤٢١٦,٣٨ ٥٢٧-١٠-٢٠١٦ Doaa El-Sayed
- [٢٨٤١٢١,٣+KAO-EGYPT J-٧٣٢٠٠,٤٢٦٢٠-١١-٢٠١٦ Sadek, A. Essam, G. M. Hamed, and M. Shaban](https://www.aavso.org/vsx/index.php?view=detail.top&oid)
- ٢٢-٠٩-٢٠١٨ A. Essam, M. A. NegmEldin, G. Hamed, M. A. El-Sadek, M. H. Shehata, M. S. Soliman, S. Ata, and M. Shaban ٦٢٤٦٧١=top&oid
- المحلي:-١. التعاون مع جامعة القاهرة -قسم الفلك كلية العلوم من خلال الاشراف على رسالة الماجستير الخاصة بالاستاذ محمود عبد الفتاح المعيد بالكلية ونتج عن هذا التعاون البحث التالي ٦٢٤٦٧١=top&oid Mahmoud AbdelFattah NegmEldin, Ahmed Essam Elsayed and Shahinaz Mostafa Yousef Physical properties of three short period close binaries: KIC ٦٢٨٧١٧٢ and KIC ٦٠٥٠١١٦ KIC ٣٧١٥٤١٧ binaries: KIC ٢٠١٩ .Vol ١٩ .No ٢, ٢٥ (١٤pp) التعاون الدولي:-
١. التعاون مع اليابانيين من خلال مشروع "دراسات الانفجارات في نطاق اشعة جاما من خلال متابعة الرصد الفلكي في مصر واليابان" وهو مشروع بحثي ممول من صندوق العلوم والتنمية التكنولوجية ونتج عنه زيارة اثنين من الخبراء اليابانيين في ابريل ٢٠١٩ لاختبار المطياف الجديد المورد من امريكا. ٢. التعاون مع الصرب: نتج عنه بحثين منشورين وهما:
١. A Photometric Study of Two M.A. EL-SADEK, G. DJURAŠEVIĆ, A. ESSAM, M.A. HANNA, M.Y. AMIN, Z.M. HAYMAN, N.S. AWADALLA Olivera Latkovic, Attila ٢٦-٢١ (٢٠١٩) ٦٩ New Astronomy ١١٣٧١١-٤٧٩ and UCAC٤ ١١٣٦٥٨-٤٧٩ Recently Discovered Contact Binaries-I: UCAC٤
- Cseki, Gojko Djurasevic, Ahmed Essam, Amal S. Hamed, and Shahenaz M. Youssef Long-Term Spot Stability in the Post-Common-Envelope Binary January ٢٠١٩, (١٥pp) ١٥٧:٣, Qs Vir. The Astronomical Journal



4- Astronomy Department

4-2 Stellar Laboratory

Name: Yosry Ahmed Azzam
Position: Associate Professor
Email: yosryahmed@yahoo.co.uk
Phone: 01154640076



* Scientific Publication (National & International)

1- Prediction of Wind Speed and Power at Kottamia Astronomical Observatory based on Adaptive Neuro-Fuzzy Inference System (ANFIS), IEEE Conference on Power Electronics and Renewable Energy, Aswan-Egypt, October 23-25, 2019

* Reviews of Papers (National & International)

١- تحكيم بحث «تطوير نظام التعليم الإلكتروني التكيفي المتعدد الوسائط لتعليم القرآن الكريم لذوي الاحتياجات الخاصة» - بحث مقدم لندوة: «تعليم القرآن الكريم لذوي الاحتياجات الخاصة - تقويم للواقع واستشراف للمستقبل»- مجمع الملك فهد لطباعة المصحف الشريف التابع لوزارة الشؤون الإسلامية والدعوة والإرشاد - المملكة العربية السعودية.

2- Reviewing 3 researches for the IEEE Conference on Power Electronics and Renewable Energy. These are:

- 1) Performance Evaluation of 90 kW on Grid PV Systems in Egypt.
- 2) A Comprehensive Analysis and Control of DVR Operating Modes for Grid-Voltage Compensation
- 3) Differential Power Processing Architectures Accounting for the Differential Power of the Converters

* Conferences, Scientific Missions & Workshops

1- Attending the «IEEE Conference on Power Electronics and Renewable Energy, Aswan-Egypt, October 23-25, 2019».

2- Attending and lecturing at the 4th Arabic Astronomical School for Astrophysics, Kottamia Observatory, Egypt, 19-26 Oct. 2019

3- Participating and Lecturing at the 2019 Network of Young Researchers in Instrumentation for Astrophysics (NYRIA 2019) held on Lisbon, Portugal, 4-8 Nov. 2019

* Projects

Taking part as a PI (instead of Prof. Ahmed Essam) of the «(KFISP) Kottamia Faint Object Imaging Spectro-Polarimeter» project provided by the Egyptian Science and Technology Development Fund (STDF) under contracts number 2531

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

Supervision the Ph.D student: «Mohamed Abdel Karim», Astronomy departmenty at the faculty of engineering in Shubra, Banha university

* Books

NA

* Other

1- مرافقة خبير الشركة الأمريكية د. بيتر ماك خلال زيارته لمقر مرصد القمامية الفلكي لتزكيب واختبار مطياف تلسكوب مرصد القمامية الجديد.

2- المشاركة مع أعضاء من قسم الفلك وسيادة رئيس المعهد في التحضير لاختبارات موقع المنظار الفلكي الجديد المزمع إنشاؤه بديلا عن مرصد القمامية الفلكي



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Farag Ibrahim Younis Elnagahy
👔 Position: Associate Professor
✉ Email: faragelnagahy@hotmail.com
☎ Phone:01277345086



* Scientific Publication (National& International)

Application of fuzzy logic on astronomical images' focus measures, Alaa HAMDY, Farag ELNAGAHY and Islam HELMY, Turk J Elec Eng & Comp Sci(2019), Vol. 27 -PP. 3815 – 3822

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

2019 International Conference on Innovative Trends in Computer Engineering (ITCE), «Application of Fuzzy Logic on Astronomical Images Focus Measure», Alaa Hamdy, Farag Elnagahy and Islam Helmy. DOI: 0.1109/ITCE.2019.8646349

* Projects

Kottamia Center of Scientific Excellence for Astronomy and Space Science (KCScE) STDF 5217

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

Ph.D. «Transient Stability Analysis of AC Microgrid With a Virtual Synchronous Generator» ,Eng. Doaa Elsayed Mohamed Ahmed, Faculty of Engineering- Electrical Power and Machines Engineering Dep. Helwan University.
Ph.D.“ Development and Remotely Control of an Astronomical Telescope System” , Eng : Mohamed Ismail Mohamed Imam, Faculty of Engineering, Al- Azhar University.

* Books

NA





* Other

later



4- Astronomy Department

4-2 Stellar Laboratory

 Name: Mohamed Abdel-Sabour Abdel-Latif .Rezk
 Position: Assistance Professor
 Email: Sabour2000@hotmail.com
 Phone: 01141786049



* Scientific Publications:

- 1-KAO-EGYPT J064512.06+341749.2 is a Low Amplitude and Multi-Periodic δ Scuti Variable Star. Journal of American Association of Variable Star Observer (JAAVSO),47, 2019
- 2-Spectral behavior of symbiotic nova HM Sge in the ultraviolet
Revista Mexicana de Astronomía y Astrofísica (RMxAA), Dec. 2019.
- 3- A Search for Evolutionary Changes in the Periods of Five Classical Cepheid Stars: R Cru, T Cru, XZ Car, X Lac and WZ Car.
Journal of Astronomy and Geophysics,(ORCID-3-2419-02) , Nov, 2019.
- 4- Optical Observations Study of the W UMa Eclipsing Binary System DF CVn Using ASAS, KWS, and SuperWasp archives. (under revision)
- 5- analysis of short periodic pulsator for SX Phoenicis stars XX Cyg. (under revision)

* Reviews Papers (International & National)

NA

* Conferences, Scientific Missions & Workshops

VIII المشاركة في المدرسة السابعة للنجوم النابضة بمدينة لابلاتا بالأرجنتين تحت عنوان : نبض النجوم مرحله من مراحل تطورها. "LAPIS - School on "Pulsations Along Stellar Evolution

* Consultancy

NA

* Projects:

NA

* Supervision of M.Sc/PhD:

NA

* Books :

NA

* Others:

- * عضو في لجنة ال New Spectrograph
* التدريس بجامعة حلوان - كلية العلوم - قسم الفيزياء والفلك لعام ٢٠١٩م.
١- مادة فيزياء النجوم وتطورها لطلاب فلك وقضاء
٢- وأيضاً مادة فلك وأرصاد جوية لطلاب رابعه تربيته



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Nasr Mahrous Ahmed
👔 Position: Associate Professor
✉ Email: gravitation300@yahoo.com
☎ Phone:01061541969



* Scientific Publication (National& International)

- 1- Nasr Ahmed and S. Z. Alamri, A cyclic universe with varying cosmological constant in $f(R; T)$ gravity. 'Canadian Journal of physics 999, 1-8 (2019).
- 2- Nasr Ahmed, Ricci-Gauss-Bonnet holographic dark energy in Chern-Simons modified gravity. 2019, in press, Modern Physics Letters A. arXiv:1901.04849 [gr-qc].
- 3 - Nasr Ahmed and S. Z. Alamri, Cosmological determination to the values of the prefactors in the logarithmic corrected entropy-area relation. Astrophysics and Space Science (2019) 364:100. arXiv:1902.08027 [gr-qc].
- 4 - Nasr Ahmed and H. Rafat, space-time singularities and the theory of retracts. Physica Scripta 94 (2019) 085215. arXiv:1810.03978 [physics.gen-ph]
- 5- Nasr Ahmed, M. fekry and A. A. Shaker, Transition from decelerating to accelerating universe with quadratic equation of state in $f(R,T)$ gravity NRIAG Journal of Astronomy and Geophysics, Volume 8, 2019 - Issue 1
- 6- Nasr Ahmed, Crossing the phantom divide line in universal extra dimensions. 2019, Submitted to Physics of the Dark Universe . arXiv:1907.12968 [gr-qc].
- 7 - Nasr Ahmed, Cosmic deceleration-acceleration transition in Swiss-cheese Brane-worlds. 2019, Submitted to Can J phys. arXiv: 1904.11345 [gr-qc].

* Reviews of Papers (National& International)

4

* Conferences , Scientific Missions & Workshops

NA

* Projects

1

* Consultancy

many

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA





* Other

NA



4- Astronomy Department

4-2 Stellar Laboratory

 Name: Elbaz I. Abouelmagd
 Position: Associate Professor
 Email: eabouelmagd@gmail.com
 Phone: 01020976040



* Scientific Publication (National & International)

1. Pathak N., Abouelmagd E. I. Higher Ordered Resonant Periodic Orbits in Perturbed Sun-Mars System. Research & Reviews: Journal of Physics (2019) 8 (2): 130-136.
2. Pathak N., Abouelmagd E. I., Thomas V. O. On higher order of resonant periodic orbits in the photogravitational restricted three body problem. The Journal of the Astronautical Sciences (2019) 66 (4), 475 –505.
3. Abouelmagd E. I., Ansari A. A. The motion properties of the infinitesimal body in the framework of bicircular Sun perturbed Earth-Moon system. New Astronomy (2019) 73: 101282.
4. Suraj M. S., Abouelmagd E. I., Aggarwal R., Mittal A. The analysis of restricted five-body problem within frame of variable mass. New Astronomy (2019) 70: 12 – 21.
5. Abouelmagd E. I., Guirao J. L.G., Llibre J. Periodic orbits for the perturbed planar circular restricted 3-body problem. Discrete and Continuous Dynamical Systems - Series B (DCDS-B) (2019) 24 (3) 1007 – 1020.
6. Pathak N., Thomas V. O., Abouelmagd E. I. The photogravitational restricted three-body problem: Analysis of resonant periodic orbits. Discrete and Continuous Dynamical Systems - Series S (DCDS-S) (2019) 12 (4&5), 849 – 875.
7. Selim H. H., Guirao J. L.G., Abouelmagd E. I. Libration points in the restricted three-body problem: Euler angles, existence and stability. Discrete and Continuous Dynamical Systems - Series S (DCDS-S) (2019) 12 (4&5): 703 – 710.

* Reviews of Papers (National & International)

- | | |
|---|------------|
| 1. Chaos, Solitons & Fractals | Elsevier |
| 2. Few-body Systems | Springer |
| 3. Astrophysics Space Science | Springer |
| 4. International Journal of Bifurcation and Chaos | World Sci. |
| 5. Advances in Space Research | Elsevier |
| 6. Physics Letters A | Elsevier |
| 7. International Journal of Non-Linear Mechanics | Elsevier |
| 8. Journal of Astrophysics & Astronomy | Springer |
| 9. Celestial Mechanics and Dynamical Astronomy | Springer |
| 10. Open Physics De | Gruyter |
| 11. New Astronomy | Elsevier |

* Conferences, Scientific Missions & Workshops

- A member of Organization Committee of The fourth ArAs School for Astrophysics, Oct. 19 - 26, 2019, Kottamia Astronomical Observatory, Cairo – Egypt
<http://awsa.ar-as.org/sfa4/committees.html>
- Artificial Intelligence and Recent IT Technologies Impact for Building Egyptian Knowledge and Innovation Society, First International Conference, 8 – 9 Sep 2019. Cairo – Egypt
- A member of International Scientific Committee of An International Conference on Physics, Society and Technology (ICPST), Jan 17-19, 2019, in University of Delhi, Delhi – India <http://www.icpst2019.com/>

* Projects

1. Modeling of science and engineering problems through dynamical systems. P. I.: Juan Luis García Guirao (Email: juan.garcia@upct.es) Co. I. Elbaz I. Abouelmagd Period: July, 2019 – March, 2022. Reference: 20783/PI/18. Source: Fundación Séneca (Spain).



4- Astronomy Department

4-2 Stellar Laboratory

2. Discrete, Continuous and Hamiltonian Dynamical Systems with Applications. P. I.: Juan Luis García Guirao (Email: juan.garcia@upct.es) Co. I. Elbaz I. Abouelmagd Period: January, 2018 – December, 2021. Reference: PGC2018-097198-B-100. Source: Ministry of Science, Innovation and Universities (Spain)

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

1- Abylay Kushekbay Secular Perturbations in the Three-Body Problem with Variable Masses and Sizes

Ph.D. 28 /11 / 2018 Al-Farabi Kazakh National University, Kazakhstan Under development

2- Mohamed Shaabn Mostafa Dynamics of spacecraft relative motion for rendezvous maneuvers perturbed orbit

MSc. 26 /10 / 2016 Al-Azhar University, Egypt Completed, Jun 2019

3 – Ahmed Atia Elsaid Periodic solution of the restricted three-body problem under the gravitational potential effect of the asteroids belt MSc. 10 / 4 / 2016 Al-Azhar University Egypt Completed, Sep 2019

* Books

NA

* Other

NA



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Ibrahim Zead Ibrahim
👛 Position: Researcher
✉ Email: z_ibrahim_zead@yahoo.com
☎ Phone:01003765283



* Scientific Publication (National& International)

NA

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

المشاركة في الندوة الفلكية «١٠٠ عام تحت سماء واحده» من ٢٩ يوليو ٢٠١٩ المشاركة في المدرسه العربيه الفلكيه الرابعه

* Projects

Member in Kottamia Center of Scientific Excellence for Astronomy and Space Science KCSCE «STDF 5217»

* Consultancy

المشاركة في التدريب بمركز التميز العلمى بالقطاميه المشاركه في التدريب على اخذ الارصاد من مرصد القطاميه بواسطه المطياف

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

NA



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Ahmed Shokry Abouelfetouh Elshaer
📁 Position: Researcher
✉ Email: ahmed.shokry@nriag.sci.eg
☎ Phone:01146354082



* Scientific Publication (National& International)

(New CCD Photometry and Light Curve Analysis of two WUMa Binaries: 1SWASP J133417.80+394314.4 and V2790 Orion) Under revision in New Astronomy Journal

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

ACAG 6 (October 2018).

* Projects

Kottamia Center of Excellency(STDF)

* Consultancy

- ١- المشاركة في احد مأموريات استطلاع جبال البحر الاحمر والتي تتم لغرض اختيار انسب المواقع لانشاء المرصد المصرى الكبير
- ٢- المشاركة في تركيب المطياف الحديث الخاص بتلسكوب القطاميه واخذ مجموعه من الارصاد عليه لاختبار كفاءته
- ٣- عضو فريق التدريب على اخذ الارصاد بواسطة المطياف KIFISP
- ٤- دعوة واستضافة الخبير الفرنسى البروفيسور Michel Dennefeld الاستاذ بمعهد باريس الفلكى

* Supervision of M.Sc. / Ph.D.

one M.SC student & one PhD student

* Books

NA

* Other

Member of KRISP team, I participated in the astronomical school (ARAS 4) which held in Kottamia as Observing tutor



4- Astronomy Department

4-2 Stellar Laboratory

Name: MOHAMMED AHMED MOHAMMED EL-SADEK
Position: Researcher Assistant (PhD. Student)
Email: sadek2001eg@yahoo.com
Phone: 01064110064



* Scientific Publication (National& International)

A photometric study of two recently discovered, contact binaries-II: UCAC4 479-113658 and UCAC4 479-113711
Authors: El-Sadek, M. A.; Djurašević, G.; Essam, A.; Hanna, M. A.; Amin, M. Y.; Hayman, Z. M.; Awadalla, N. S.
Publication: New Astronomy Pub Date: May 2019y, Volume 69, p. 21-26.

* Reviews of Papers (National& International)

there is no

* Conferences , Scientific Missions & Workshops

- * Fourth Arab Winter School for Astrophysics ArAS Sfa-4, 19-26 Oct. 2019 (Cairo- Egypt).
- * SUMMER SCHOOL, 11-22 NOVEMBER 2019, LA PLATA, ARGENTINA. (Pulsations Along Stellar Evolution).
- * Workshop: Subject: Fwd: 2- USAID SEED TTOs Workshop September 4 2019- Sustainable Business Management.

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

Astronomical activities for public in our institute and other places.



4- Astronomy Department

4-2 Stellar Laboratory

☎ Name: Amal Sayd Hamed Elsayd
👤 Position: Researcher Assistant (PhD. Student)
✉ Email: amal.hamed@nriag.sci.eg
📞 Phone:01119579020



* Scientific Publication (National& International)

Long-term Spot Stability in the Post-common-envelope Binary QS Vir The Astronomical Journal, 157:3 (15pp), 2019 January Olivera Latković , Attila Cséki , Gojko Djurašević, Ahmed Essam , Amal S. Hamed, and Shahenaz M. Youssef

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

HUMAN RESOURCES DEVELOPMENT CENTRE ENGLISH LANGUAGE SECTION Conversation Course on period from 11/2/2019 to 11/3/2019

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

Ph.D. Registration Optical Multiband Study for Some X-Ray Binary Stellar System Supervisors

1. Prof. Dr. Ahmed-Essam Elsayed (Stellar Lab, Astronomy Dept., NRIAG)
2. Prof. Dr. Shahinaz M. Yousef (Dept. of Astronomy, space science, Faculty of Science, Cairo University)
3. Prof. Dr. Magdy Yousef Amin (Dept. of Astronomy, space science, Faculty of Science, Cairo University)

* Books

NA

* Other

- 1-Registration of Ph.D.Courses at Cairo University, where I now study courses and attend lectures on 2019
- 2-I learned many programs to analyze the observations of stars like Xspec and Xselect
- 3-I attended a symposium entitled Asteroids and Safe Earth on 17-6-2019.
- 4-I attended a lecture by Dr. David valls Gaboud, entitled The Bayesian Methods of Astronomy, on 8-10-2019.
- 5-I attended a lecture under the title “the equipment necessary for the rehabilitation of sites” by Dr. Zuhair bin Khaldoun on the day AH 2109.
- 6-In addition, I attended many lectures at the Astronomy Department.



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Mohamed Said Darwish
👔 Position: Researcher Assistant (PhD. Student)
✉ Email: darwish.msk@gmail.com
📞 Phone: 01009169305



* Scientific Publication (National & International)

1. New CCD Photometry and Light Curve Analysis of two WUMa Binaries: 1SWASP J133417.80+394314.4 and V2790 Orion Journal: New Astronomy, In preparation
2. Methanol and water maser observations separate disc and outflow sources in IRAS 19410+2336. Journal: Monthly Notices of the Royal Astronomical Society, In preparation.

* Reviews of Papers (National & International)

NA

* Conferences, Scientific Missions & Workshops

1. Participating on the Regional VLBI workshop in Mexico 25 Feb to 1 March 2019. Funded by the UK's Science and Technology Facilities Council.
2. I have attended the Winter Radio Interferometry School hosted by the Westnorth University, South Africa, 23 Jun to 31 July 2019. Funded by JIVE and Westnorth University.
3. One of the accepted participants to attend the European Radio Interferometry School at Chalmers Un., Sweden (ERIS) 2019 between 7 to 12 Oct. Funded by H2020 program JUMPING JIVE and DARA.
4. More recently, I got participated in the fourth Arab Astronomical Society school hosted by NRIAG, Egypt during October 2019

* Projects

Member of Kottamia Center of Scientific Excellence in Astronomy and Space Sciences (KCScE)

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

1- Photometric Study and Modeling of some short period eclipsing Binaries. Publisher: LAP LAMBERT Academic publishing <https://www.lap-publishing.com/>

* Other

As an instructor, I used to make one week training for some of my colleagues on how to use the Kottamia new system. Invited as a speaker to introduce a public talk on the 100 anniversary of IAU at NRIAG focused on Radio telescope and its impact of the astronomy revolution.



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Islam Helmy
👛 Position: Researcher Assistant (PhD. Student)
✉ Email: islam_helmy89@hotmail.com
☎ Phone:01020312459



* **Scientific Publication (National& International)**

Application of fuzzy logic on astronomical images› focus measures

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

INTERNATIONAL CONFERENCE ON INNOVATIVE TRENDS IN COMMUNICATION & COMPUTER ENGINEERING (ITCE'2019) Fourth ArAS School for Astrophysics

* **Projects**

NA

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

NRIAG Website Administrator Member of ACAG7 LOC Trainee of KAO KFISP



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Samah Elessawy
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: samahessawy1122@gmail.com
☎ Phone:01146404864



* **Scientific Publication (National& International)**

Statistical distance determination of the Camelopardalis area (authors: Helal I. Abdel-Rahman and Samah H. El-Essawy) (National)

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

The first conference of the Faculty of Science - New Valley University (under the title of basic sciences and its applications)

* **Projects**

NA

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

I attended a symposium entitled Asteroids and Safe Earth on 17-6-2019. I attended a symposium titled “100 Years Urges One Sky and 50 Years in Space” on July 29, 2019. I attended a workshop titled “Visual Monitoring of Satellites and Space Debris and its Role in Satellite Preservation” on 14/3/2019. I attended a lecture by Dr. David valls Gaboud, entitled The Bayesian Methods of Astronomy, on 8-10-2019. I attended a lecture under the title “the equipment necessary for the rehabilitation of sites” by Dr. Zuhair bin Khaldoun on the day AH 2109. I gave a seminar under the title Statistical distance determination of the Camelopardalis area. In addition, I attended many lectures at the Astronomy Department.



4- Astronomy Department

4-2 Stellar Laboratory

👤 Name: Mohamed Shaban Mustafa Aboueisha
👛 Position: Assistant Researcher (MSc. Student)
✉ Email: mshaban9292@gmail.com
☎ Phone: 01024131972



* [Scientific Publication \(National & International\)](#)

NON-KEPLERIAN MOTION WITH THE EFFECT OF DYNAMICAL FLATTING PARAMETER: PERIODIC SOLUTION BY MULTIPLE SCALES METHOD. AL-AZHAR UNIVERSITY. Al-Azhar Bulletin of Science - Basic Science Sector ., Conf., March 2017

* [Reviews of Papers \(National & International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

- 9th international conference for basic science energy, environment and sustainable development.
- The Arab Conference on Astronomy and Geophysics 6th Assembly ACAG-6.
- Fourth ArAS School for Astrophysics (ArAS Sfa-4) that held in the Kottamia Astronomical Observatory, Egypt October 19-26, 2019.
- attendance training held at Cadi Ayyad Oukaimeden Observatory _ Morocco (April 2019).

* [Projects](#)

NA

* [Consultancy](#)

Participation in Exploring the Red Sea Mountains (site selection) to determine the suitable places for the construction of the new telescope (Date Feb_ 2019)

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

- Member in the Scientific Society of Astronomy & Space in Egypt – SSASEgypt .
- Participation in the Cairo International Book Fair, Egypt (Date: 2017).
- Participation in the organization of Astronomical evenings in Aswan city (Nile Museum and Temple of Abu Simbel) Sponsored by both (NRIAG), Scientific Society of Astronomy & Space and IAU (October 2018).
- Training for the fourth year students from Cairo University during March, 2018 at Kottamia Astronomical Observatory.
- Participation in observation lunar eclipse (July 2018) , some trips at Kottamia Astronomical Observatory and some scientific missions for telescope 74-inch.
- Participation in changing the visual system of Kottamia astronomical observatory (KAO-EGYPT) telescope 74-inch (Date: 2018).
- Participation in training many students on how to use telescopes and take observations (Date: 2016 – 2019).
- Participate in discovering a new variable star 1) KAO-EGYPT J214216.38+440015.1 2) KAO-EGYPT J214258.21+440520.2 3) KAO-EGYPT J073200.42+284121.3
- Participation in observation lunar eclipse (July 2019) in The Children Civilization and Creativity Center in Heliopolis, Cairo, Egypt.
- Help in most department issues.



**Theoretical Astronomy &
High Energies**



4- Astronomy Department

4-3 Theoretical Astronomy & High Energies

No.	Name	Title	Activity
1	Nasser Mohamad Ahmed	Associate Professor and Head of the Lab.	
2	Abd El Fady Beshara Morcos	Professor Emeritus	
3	Essam Ahmad El Kholy	Associate Professor	On leave
4	Badie Abdelhalim Korany	Researcher	On leave
5	Mohamad Hassan Ali	Researcher	
6	Mona Molham Mostafa	Researcher Assiatant (PhD. Student)	Active
7	Saad Abd Elkader Ata	Assistant Researcher (MSc. Student)	
8	Amr Basuny	Researcher Assiatant (PhD. Student)	Active



4- Astronomy Department

4-3 Theoretical Astronomy & High Energies

👤 Name: Mona Molham
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: monamolham@nriag.sci.eg
☎ Phone:01115551400



* [Scientific Publication \(National& International\)](#)

The 3XMM/SDSS Stripe 82 Galaxy Cluster Survey. II. X-ray and optical properties of the cluster sample (co-author)-published Multiwavelength classification of X-ray selected galaxycluster candidates using convolutional neural networks (co-author)-in press X-ray properties of X-CLASS-redMaPPer galaxy cluster sample: The luminosity-temperature relation (first-author)-in press

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

I was one of the local organizing committee for the 4th ArAS school of astrophysics held in Egypt from 19 to 26 October 2019.

* [Projects](#)

Iam a member in XCLASS group and I am doing my PhD studies as part of this project.

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



4- Astronomy Department

4-3 Theoretical Astronomy & High Energies

👤 Name: A mr Basuny
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: amr_ibraheem2050@hotmail.com
☎ Phone:01002368185



* Scientific Publication (National& International)

NA

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

I attended two workshops and conference in Hurghada

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

حضور فعاليات ندوة يوم الكويكبات



**Solar and Space Research
Department**



Solar Research Laboratory



5- Solar and Space Research Department

5-1 Solar Research Laboratory

No.	Name	Position	Activity
1	Usama Ali Rahoma	Professor	Active
2	Ahmed Ghitas	Professor	Active
3	Rabab Helal Abdel-Hamid	Emeritus Professor	Active
5	Amir Hussein Hassan	Emeritus Professor	Active
6	Mohamed Ahmed Semeida	Professor	Active
7	Samy Abdelmordy Khalil	Associate Professor	Active
8	Yasser Abdel-Fattah Abdel-Hadi	Associate Professor	Active
9	Mohamed Ghareeb Rashed	Emeritus Professor	Active
10	Magda Moheb El-dine	Researcher	Active
11	Ahmed Abul-Wafa	Researcher Assistant (Ph.D. student)	Active
12	Sara Said Khodairy Imbaby	Researcher Assistant (Ph.D. student)	Active
13	Safinaz Ahmed	Researcher Assistant (Ph.D. student)	Active
14	Heba Zenhom	Researcher Assistant (Ph.D. student)	Active
14	Mohamed Sedik Abdullah	Researcher Assistant (Ph.D. student)	Active
15	Mohamed Abdel-Hamid Mohamed Shahat	Researcher Assistant (Ph.D. student)	Active
16	Ashraf Shaaban	Researcher Assistant (Ph.D. student)	
17	Eid Abdelwahed Mohamed Amin	Researcher Assistant (Ph.D. student)	Active
18	Fatima Abdel-Wahab	Assistant Researcher (MSc. Student)	Active
19	Mohamed Ghitas	Assistant Researcher (MSc. Student)	



5- Solar and Space Research Department

5-1 Solar Research Laboratory

Name: Usama Ali Rahoma
Position: Professor
Email: UsamaAliRahoma@Yahoo.com
Phone: 01014732499



* Scientific Publication (National & International)

1 U. Ali Rahoma and A. H. Hassan , Determination of clear-sky model parameters based on solar radiation measurements in the Arabic countries, the fourth international conference on new horizons in basic and applied science, ICNHBAS, 26-29, July Hurgada, Egypt.

2 Yasser A. Abdel-Hadi1 , M. S. Abo Ghazala2 , Samir Atwa Ibrahim2 , U. Ali Rahoma1 , and A.A.Elminawy1, Simulation Model for a New Solar Pumped Solid-State Laser Enhanced system by Using 3d CPC, the first international conference on material science and application (ICMSA 2019), 10-12, Sept., 2019, Sharm El-Sheik, Egypt.

3 Yasser A. Abdel-Hadi1 , M. S. Abo Ghazala2 , Samir Atwa Ibrahim2 , U. Ali Rahoma1, and A.A.Elminawy1, Raman Spectroscopy of unknown mineral samples by solar pumped laser system, the first international conference on material science and application (ICMSA 2019), 10-12, Sept., 2019, Sharm El-Sheik, Egypt.

4 A. Shaban, Same A. Khalil, A.H.Hassan, and U. Ali Rahoma, Study of Global and Ultraviolet Solar Radiation Using Artificial Neural Network, the 33rd eg-mrs international conference on materials science and applications tililiti, hurghada, egypt 27 - 30 november 2019.

5 أبحاث تحت النشر U.Ali Rahoma, A.H.Hassan , and M. Sabry, Potential and Development of Solar Energy Effect on the Microclimate in MENA Areas Using Remote Sensing Technology, CSETESM 2020 : International Conference on Solar Energy Technology, Energy Systems and Management, London, United Kingdom, August 20 - 21, 2020

* Reviews of Papers (National & International)

- National Research Institute of Astronomy and Geophysics Journal, Cairo, Egypt, - J. Astron Soc Egypt

- American Journal of Applied Sciences : ISSN 1546-9239.

- American Journal of Infectious Diseases ISSN: 1553-6203

- American Medical Journal. I

* Conferences , Scientific Missions & Workshops

Subject حضوره مؤتمر كلية العلوم جامعه الازهر الذي يعقد في الفترة من ٢٦ يوليو ٢٠١٩ الي ٢٩ يوليو ٢٠١٩ م بمدينة الغردقة رئيس لجنه معرض المعهد بمؤتمر الطاقات المصرية مايو ٢٠١٩ م تنظيم ورشة عمل روية هلال رمضان ١٤٤٠ هـ تنظيم والمشاركة في رحلات علمية لاستكمال أبحاث رصد صلاة الفجر ٢٠١٩ م

حضور دورة براءات الاختراع بمعهد بحوث البترول سبتمبر ٢٠١٩ م رئيس لجنة معرض القاهرة الدولي السادس للابتكار ٢٤ - ٢٦ اكتوبر ٢٠١٩ م
مشاركتي بمؤتمر ٢٠١٩ (ICMSA) (The first international conference on Material Science and applications) , Sharm El-Sheikh, Egypt , ١٠-١٢ .

ورشة عمل استراتيجية نقل التكنولوجيا وبنك المعرفة ٣ مايو ٢٠١٩ م اكااديمية البحث العلمي ورشة عمل في مجال نقل وتسويق التكنولوجيا ٢٤-٢٧ يونيو AUTM بالمشاركة مع الجانب الامريكي
ورشة عمل اطلاق مشروع نقل التكنولوجيا ١٣-١٤ يونيو ٢٠١٩ م

* Projects

- ١- مكتب نقل وتسويق التكنولوجيا
- ٢- تم انتاج Mobile application للدليل الفلكي عمل تطبيق للموبيل خاص بالدليل الفلكي والاحداث الفلكية اكتوبر ٢٠١٨ م
- ٣- انشاء موقع اليكتروني خاص بالمكتب تحت موقع المعهد

* Consultancy



5- Solar and Space Research Department

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- ١- الانتهاء من سياسة الملكية الفكرية للمعهد
- ٢- وضع اسس عمل لجنة اخلاقيات المهنة للمعهد
- ٣- عمل نموذج للمراقبة لشدة الاشعاع الفوق بنفسجي وجاري تسجيل كبراء اختراع
- ٤- استقدام تلسكوبات فلكية من وزارة الداخلية (اهداء) تم التواصل مع وزارة الداخلية لتعظيم الاستفادة من التلسكوبات المصادرة وتم دخول حوال ١٠٠ تلسكوب مختلفة الاقطار والاستخدامات وهي حاليا تعمل بجودة عالية

* Supervision of M.Sc. / Ph.D.

- ١ تحكيم رساله دكتوراه بكلية العلوم جامعه بور سعيد يوليو ٢٠١٩م ٢ تحكيم رساله ماجستير بكلية العلوم جامعه حلوان مايو ٢٠١٩م ٣ تدريس كورس عن الإشعاع الشمسي وتلوث الهواء تأهيلي دكتوراه ٢٠١٩م ٤ تدريب ضباط الاسلحة والذخيرة علي استخدام كاميرا التصوير الليلي يوليه ٢٠١٩م ٥ الاشراف علي رساله ماجستير بكلية العلوم جامعه المنوفية ٢٠١٩م

* Books

NA

* Other

NA



5- Solar and Space Research Department

5-1 Solar Research Laboratory

Name: Ahmed El Sayed Ghitas
Position: Professor
Email: aghitas@hotmail.com
Phone: 01096200409



* Scientific Publication (National & International)

- [1] Ahmed E. Ghitas and M. Hasan Ghoniem, «The artistic heritage in aesthetic design for Solar Energy Systems», the 7th International Conference of Arab Scientists Forum on “Scientific Research and Sustainable Development In Arab Countries and Facing the Challenges, 6-9 April 2019.
- [2] Ahmed E. Ghitas and M. Hasan Ghoniem, «Designing of the Solar Cell Modules for Models of Logos Inspired by the Egyptian Heritage», the 8th International Scientific Conference Organized by the Faculty of Art Education, Helwan University, 22-24 April 2019.
- [3] Mohamed Shaban, Ahmed Ghitas, M.Y. El Zayat, Fatma Abd Elwahab, «Efficient and recyclable photocatalytic degradation of methylene blue dye in aqueous solutions using nanostructured Cd1-xCoxS films of different doping levels», under publishing in Materials Science in Semiconductor Processing, October 2019.
- [4] Ahmed E. Ghitas, «Presentation on Egypt-based research in solar cell technologies and local applications», Rap Session RECO, IEEE Conference on Power Electronics and Renewable Energy 23-25 October 2019.
- [5] F. M. El-Hossary, Ahmed Ghitas, A. M. Abd El-Rahman, A. A. Ebnalwaled, Mohammed. H. Fawey, M. Abdelhamid Shahat, «Enhancement of Adhesion Force and Surface Resistivity of Graphene Oxide Films Using Different Solvents», The 33rd Eg-MRS International Conference 27-30 November 2019.

* Reviews of Papers (National & International)

- 1- NRIAG Journal of Astronomy and Geophysics, Publisher: Elsevier
- 2- Journal of Applied Energy, Publisher: Elsevier.
- 3- Environmental Engineering and Management Journal, Publisher: Elsevier.
- 4- World Renewable Energy Congress – Sweden.

* Conferences, Scientific Missions & Workshops

- The 7th International Conference of Arab Scientists Forum on “Scientific Research and Sustainable Development In Arab Countries and Facing the Challenges, 6-9 April 2019.
- The 8th International Scientific Conference Organized by the Faculty of Art Education, Helwan University, 22-24 April 2019.
- IEEE Conference on Power Electronics and Renewable Energy 23-25 October, Aswan, 2019.
- The 33rd Eg-MRS International Conference Hurgada 27-30 November 2019.

* Projects

- 1- Principal Investigator PI of the project “Solar Energy Conditioning Windows” funded by Academy of Scientific Research and Technology, 2018-2019.
- 2- Principal Investigator PI of the project “Novel Nano-LiBr based Solar PVT Technology for Poly-generation (NoNSToP)” funded by Science and Technology Development Fund STDF, 2019-2020.

* Consultancy

- Manage and supervise all the consultation of the Solar Research Lab. during 2019.
- Technical Consultant and trainer of solaracil academy (www.academy.solaracil.com).

* Supervision of M.Sc. / Ph.D.

Master Degree:-

- Fatma Abd Elwahab - Faculty of Science - Fayoum University, Thesis title: “Fabrication and Characterization of Nanostructured Thin Films for Solar Energy Applications”.



5- Solar and Space Research Department

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- Mohamed Ashrf, - Faculty of Science - Zagazig University, Thesis title: « Faculty of Science - Cairo University, Thesis title: «The use of satellites and applications to predict the variables of the space environment».
- Moustafa Ahmed Yassen, - Faculty of Science - Helwan University, Thesis title: «Effect of Silver Metal Contacts Silicon Solar Cells Efficiency «.
- Mahmoud Ahmed Yassen, - Faculty of Science - Helwan University, Thesis title: «Fabrication and Characterization of Low Cost Silicon Solar Cells «. Ph.D Degree:-
- Safnaz Khaled, - Faculty of Science - Cairo University, Thesis title: «The use of satellites and applications to predict the variables of the space environment».
- Heba Zenhom - Faculty of Science - Cairo University, Thesis title: “Studying the influence of atmospheric conditions on different Photovoltaic modules types at selective spectral lines”.
- Mohamed Abdelhamid Shahat - Faculty of Science - Sohag University, Thesis title: “Physical Properties and Efficiency of Polymer- Based Solar Cells Treated by Chemical and Plasma Techniques”.

* Books

NA

* Other

- Established The Laboratory of Solar Cells Research and Development: The Lab. is expanded by installation of new units, as well as installation of new devices and equipment's in the preparation for launching the Lab. in the solar cell's development for terrestrial and space applications.
- Established The Laboratory of Solar Cells Lamination: The Lab. is expanded for production of new solar module for solar energy systems.
- Solar Radiation Stations: periodic supervision and monitoring of the operation and maintenance of solar radiation and climate measurement stations at Marsa Matruh and Suez city, in addition to the main station in Helwan. The preparation for launching a new stations in different locations around Egypt, which will be continually record the solar radiation and environment during the days and operate by remote sensing. Scientific and administrative committees:
- Member of the Electricity and Energy Research Council in the Specific Councils Sector at the Academy of Scientific Research and Technology.
- Member of the Higher Studies and Research Committee of the National Research Institute of Astronomical and Geophysics.
- Head of most tender committees for buying the equipment required for the Lab. and the Department.
- Member of the Board of the Center for Geophysical Studies and Consultations at the National Research Institute of Astronomy and Geophysics.
- Member of the Committee for the establishment of companies at the National Research Institute of Astronomy and Geophysics.
- Member of the Committee of Lenders and Vacations at the National Research Institute of Astronomy and Geophysics.



5- Solar and Space Research Department

5-1 Solar Research Laboratory

👤 Name: Rabab Helal Abd el Hamid
👛 Position: Professor Emeritus
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☎ Phone:01005030662



* Scientific Publication (National& International)

- A statistical study of CME-associated flare during the solar cycle 24» Advances in Space Research

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

NA

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

- «Impact of Coronal Mass Ejection on Thermosphere Density and Plasma Drag with Application on LEO Satellite», Ph.D. thesis, Sara Said Khodairy
- «Developing A Spectral Model of UV Index over Egypt», Ph.D. thesis, Ahmed Abulwfa
- “The Magnetic Field of the Sun’s Granulation”, Ph.D. thesis, Mohamed Sedek
- “Tracing the Halo Coronal Mass Ejection During the Solar Cycle 24”, M.SC. thesis, Mohamed Nedal
- “Study of Solar Flare Related to the Coronal Mass Ejection During the Solar Cycle 24”, M.SC. thesis, Eid Amin

* Books

Reviewed two books from NRIAG publications

* Other

- Supervision of sunspots observations.
- Monitoring of the lunar eclipse, July 16, 2019.
- Monitoring of Mercury transit, Nov. 11, 2019.
- Supervision of astronomical calculations of Hijri calendar.



5- Solar and Space Research Department 5-1 Solar Research Laboratory

👤 Name: Amir Husein Hassan
👔 Position: Professor
✉ Email: ah Hassan210@yahoo.com
☎ Phone: 01065375384



* Scientific Publication (National & International)

NA

* Reviews of Papers (National & International)

NA

* Conferences, Scientific Missions & Workshops

1- U. Ali Rahoma and A. H. Hassan, "Determination of clear-sky model parameters based on solar radiation measurements in the Arabic countries", the fourth international conference on new horizons in basic and applied science, ICNHBAS, 26-29, July 2019, Hurghada, Egypt.

2- A. Shaban, Same A. Khalil, A.H.Hassan, and U. Ali Rahoma, Study of Global and Ultraviolet Solar Radiation Using Artificial Neural Networks, The 33rd Eg-MRS International Conference ON Materials Science and Applications tililit, Hurghada, Egypt 27 - 30 November 2019

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

- المشاركة في الدورات التدريبية خلال العام للفئات المعاونة
- إعداد تقارير علمية خاصة بصلاة الفجر والمقدمة للجهات القضائية
- المشاركة بمحاضرات في المعهد أثناء الخسوف الجزئي للقمر في 16 يوليو 2019م
- المشاركة بمحاضرات في ندوة الفلك الأثري بالمعهد في أغسطس 2019
- المشاركة بمحاضرات في المعهد أثناء عبور عطارد لقرص الشمس في 11 نوفمبر 2019م



5- Solar and Space Research Department

5-1 Solar Research Laboratory

👤 Name: Mohamed Ahmed Semeida
👔 Position: Professor
✉ Email: m_semeida@yahoo.com
☎ Phone:01005314389



* Scientific Publication (National& International)

1-STRUCTURE AND DYNAMICS OF THE SOLAR CORONA OBSERVED DURING DIFFERENT PHASES OF THE SOLAR CYCLE, P. Stoeva, A. Stoev, S. Kusun, B. Marzouk, Pertsov, M. Semeida, 41st Annual Seminar «Physics of Auroral Phenomena», March 12-16, 2019 , Apatity, Russia, Proceedings of the 41st Annual Seminar, <http://pgia.ru/seminar>, pp 69-75.

2- RESULTS OF SPECTRAL AND PHOTOMETRIC OBSERVATIONS OF THE INNER SOLAR CORONA DURING THE JULY 2, 2019 TOTAL SOLAR ECLIPSE IN ARGENTINA, Penka Stoeva, Alexey Stoev, Sergey Kuzin, Beshir Marzouk, Andrey Pertsov, Mohamed Semeida, SES 2019 Fifteenth International Scientific Conference SPACE, ECOLOGY, SAFETY, 6 –8 November 2019, Sofia, Bulgaria.

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

NA

* Projects

Investigation of the processes in the solar atmosphere by ground based and space means including during total solar eclipses

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

PhD. Thesis, Mrs. Safinaz A. Khaled,

* Books

NA

* Other

NA



5- Solar and Space Research Department 5-1 Solar Research Laboratory

👤 Name: Samy Abdelmordy Khalil
👔 Position: Associate Professor
✉ Email: samynki@yahoo.com
☎ Phone:01226894877



* [Scientific Publication \(National& International\)](#)

Statistical Evaluation of Potential Solar Energy for Al-Baha location, Saudi Arabia

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

Evaluation of the solar radiation at the different wavelengths as the basis for diverse uses of potential solar energy for Baha City

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



5- Solar and Space Research Department

5-1 Solar Research Laboratory

👤 Name: Yasser Abdel-Fattah Abdel-Hadi
👔 Position: Associate Professor
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* Scientific Publication (National& International)

Developing a New Model for Predicting Global Solar Radiation on a Horizontal Surface Located in Southwest Region of Algeria, NRIAG Journal of Astronomy and Geophysics, under publishing.

* Reviews of Papers (National& International)

Solar Energy: "Simultaneous solar laser emissions from three Nd: YAG rods within a single pump cavity».

* Conferences , Scientific Missions & Workshops

Conferences:

1- 8th International Conference Mathematics and Information Sciences and Applications held by the Academy of African Sciences North Africa Branch in cooperation with the African Mathematics Union (Mathematics and Education), the Natural Sciences Foundation for International Publishing and the Egyptian Mathematics Association, the Academy of Scientific Research and Technology (ASRT) at The University of October 6, from 8 to 10 February 2019.

2- The 5th Conference of the Faculty of Education, 6th October University, on the Arab Impact Factor (5th Conference of the Faculty of Education of 6th October University).

3- The 1st International Conference for Material Science and its Applications (ICMSA 2019), held by the Department of Physics, Faculty of Science, Menoufia University at Dreams Vacation hotel, Sharm El Sheikh, September 10-13, 2019 and holding A lecture entitled (Solar Pumped Laser and its Applications) and presenting two new papers under the title: - Simulation Model for a New Solar Pumped Solid-State Laser Enhanced system by using 3D-CPC. - Raman spectroscopy of unknown mineral samples by solar pumped laser system.

4- International Conference on Smart Materials Science, Nanotechnology, Satellite and Space Communications, Holiday Inn hotel, Rome, Italy, on November 18 - 19, 2019 and holding a presentation titled: (Space-Based Solar Laser System Simulation for Transferring Power onto the Earth). Workshops:

1- (Space Technology and the Renaissance of Egypt) at the Academy of Scientific Research and Technology (ASRT) on March 13, 2019 within the framework of the Science Month adopted by the Academy.

2- (Visual Monitoring of Space Debris and Satellites) at the National Institute of Astronomical and Geophysical Research organized by the Space Research Laboratory on 14th March 2019.

3- (The role of space fields in the developmental and industrial fields in Egypt) on 20th and 21st March 2019 in the conference room at the University of Beni Suef, organized by the Faculty of Navigation and Space Science at the University.

4- (100 years under one sky) at the Academy of Scientific Research and Technology on 27th March 2019 organized by the National Committee for Astronomy on the occasion of the 100th anniversary of the establishment of the International Astronomical Union.

* Projects

A project titled (New Lithium-Bromide-based Solar Thermal Technology for Novel Nano-LiBr Based Solar PVT Technology for Poly-generation (NoNSToP)), jointly established by the Solar Research Laboratory of the National Research Institute of Astronomy and Geophysics and the Faculty of Engineering and Energy at Brunel University, London, UK through Newton – Musharafa funds.

* Consultancy

Providing some consultations on the following topics: A- Visibility of the crescent of Ramadan and Shawwal



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in 1440 AH. B- Prayer times. C- Solar physics. D- Solar energy. E- Sunshine orthogonality on the temple of Abu Simbel. F- Responding to some scientific consultations concerning prayer times in Sharjah (United Arab Emirates), Glasgow (Scotland) and Muscat (Oman). G- Responding to the program of the Islamic Mitonic cycle program concerning the lunar and solar calendars. Training A lecture for a group of trainees from the Department of Mathematics, Faculty of Science, Cairo University, on (Solar Concentrators and the Generation of Lasers from the Solar Energy) on Sunday, July 28, 2019. Teaching at the University A - Teaching (Plasma Physics) course to the students of the 4th year English Physics Department at the Faculty of Education - Helwan University for the academic year 2018 - 2019. B - Teaching (Electron Optics) course to the students of the 3rd year English Physics Department at the Faculty of Education - Helwan University for the academic year 2018 - 2019.

* Supervision of M.Sc. / Ph.D.

A- Scientific supervision of the Ph.D. thesis of the assistant researcher Ahmed Abu Al-Wafa Abdel-Latif under the title: "Developing A Spectral Model of UV Index over Egypt". B- Scientific supervision of the master thesis of Mr. Ahmed Abdou El Minawy in the field of designing the first solar laser system in Egypt which is entitled: "Designing and Constructing a Solar Laser System at Helwan".

* Books

NA

* Other

Scientific activities

A- Observing the lunar eclipse on Monday 20th January 2019 from the website of the National Institute of Astronomical and Geophysical Research in Helwan and making several media statements about this event to some media.

B- Observing the lunar eclipse on Tuesday, July 16, 2019 from the website of the National Institute of Astronomical and Geophysical Research in Helwan and make several media statements about this event to various media.

C- Mercury-Transit of 11th November 2019. Hosting foreign experts A- Hosted by Dr. Harjit Singh and Dr. Jan Wissink from Brunel University, London, UK, on the background of our joint project from April 2 - 4, 2019.

B- Hosting Prof. Dr. Adalbert Ding from the Institute of Atomic Optics and Physics at the Technical University of Berlin and Vice-President of the Institute of Technical Physics in Berlin, Germany from 24th September to 4th October 2019. Membership of committees at the Institute A- Committee for drafting the Intellectual Property Regulations of the Institute. B- Committee for the drafting of the Charter of Ethics of Scientific Research.

C- Committee to prepare the annual forum to present the achievements of the Institute. Media Meetings

A- Meeting with the Egyptian TV for the program "Sawaed Masria (Egyptian Arms)" on 21st April 2019 about the sighting of the crescent of the holy month of Ramadan.

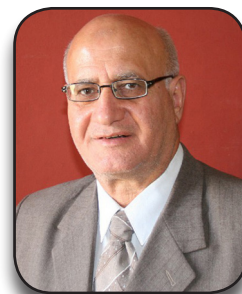
B- Statements to some newspapers about the conditions of the visibility of the crescent of Ramadan and Shawwal in 1440 H. Participation in exhibitions Participation in the 6th Cairo International Exhibition for Innovation at the Cairo International Exhibition Center on October 24 – 25, 2019.



5- Solar and Space Research Department

5-1 Solar Research Laboratory

👤 Name: Mohamed Ghareeb Hamed Rashed
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☎ Phone:01061659874



* Scientific Publication (National& International)

Rashed, M.G and I M Selim»»Heliacal settings of the new moon based on optimization algorithm»,under preparation for publication.

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

Dar Al-Ifta conference that held in Cairo on 15-16 October 2019.The conference titled “Managing Juristic Differences: A Civilizational Approach”

* Projects

crecents observation, in cooperation with Dar Al-Ifta Al-Missriyyah

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

- Preparation of the Astronomical Guide for the Hijri year calendar 1441 H (2019-2020), which is conducted by the Institute every year in Arabic and English.
- Supervising the committees of observing The lunar crescent of each Hijrimonth in cooperation with Dar El -Ifta through the project “ observing Ahla”.
- Participation in the preparation of reports submitted to the Administrative Court concerning the time of Al-fajr prayer.
- Participation in observing the partial lunar eclipse on Tuesday 16/7/2019, from Helwan observatory.
- Participation in receiving visitors to the scientific museum at the Institute, explaining the contents of the museum and answer their various queries.



5- Solar and Space Research Department

5-1 Solar Research Laboratory

👤 Name: Magda Moheb El-dine Hussein
📁 Position: Researcher
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* Scientific Publication (National& International)

- 1- Solar Activity Influence on Kp Index: during Solar Cycle 23.
- 2- Impact of Solar Activity on Low Earth orbiting Satellites.
- 3- Seasonal Distributions of Kp Index and F10.7: during Solar Cycle 23.
- 4-Linking Solar activity variation and North Atlantic Oscillations with Terrestrial Weather change

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

- 1- The effect of Space areas in development and industrial projects in Egypt - March, 2019
- 2- Space debris and satellite Observation workshop - March, 2019
- 3- The 4th. International Conference on New Horizons in Basic and Applied Science (ICNHBAS 2019) July 2019

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

Ph.d

* Books

NA

* Other

التدريس بجامعة حلوان كلية العلوم قسم فيزياء خاص طقس فضائي التدريس بجامعة حلوان كلية التربية قسم بيولوجي الفرقة الرابعة فلك عام
رصد الخسوف الكلي للقمر باسوان رصد تعامد الشمس في فبراير واكتوبر على معبد ابو سمبل رصد عبور عطارد رصد اهلة الشهور العربية
من الفيوم عضو في لجنة الاعلام عضو في لجنة الرابطة العربية للفلك والفضاء



5- Solar and Space Research Department

5-1 Solar Research Laboratory

👤 Name: Ahmed Abulwfa
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* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

IEEE conference on power electronics and renewable energy, Aswan-Egypt, October 23-25, 2019

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

1. Design and implementation of the website page of TICO office.
2. Design and implementation of the website page of NCC office.
3. Design and publish an android application of the astronomical guide on the Google Play store.
4. Design and publish an android application of the NRIAG Phone guide on the Google Play store
5. Solar radiation observations.
6. Observations of Solar phenomena.
7. Monitoring of the lunar eclipse, July 16, 2019.
8. Conduct astronomical calculations.
9. Participation in the Crescent Monitoring Committee.
10. Observing the sun at Abu Simbel Temple on 22 February and 22 October.



5- Solar and Space Research Department

5-1 Solar Research Laboratory

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☎ Phone: 01001686739



* Scientific Publication (National & International)

- 1- Solar Activity Influence on Kp Index: during Solar Cycle 23.
- 2- Impact of Solar Activity on Low Earth orbiting Satellites.
- 3- Seasonal Distributions of Kp Index and F10.7: during Solar Cycle 23.

* Reviews of Papers (National & International)

NA

* Conferences, Scientific Missions & Workshops

- 1- The 4th. International Conference on New Horizons in Basic and Applied Science (ICNHAS 2019) - Hurghada - Egypt.
- 2- The effect of Space areas in development and industrial projects in Egypt - March, 2019.
- 3- Space debris and satellite Observation workshop - March, 2019.
- 4- The International Symposium on Space Science 2019 (ISSS) - Indonesia - September, 2019.
- 5- Member of the Observation Committee for Partial Lunar Eclipse - July, 2019 - Egypt.
- 6- Member of the Observation Committee for the beginning of the Hijri Months. El Mduara Mountain - El Fayum - Egypt.
- 7- Member of the Observation Committee for Mercury transit - November, 2019 - NRIAG.

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

- 1- Head of the Organizing Committee for Space debris and satellite Observation workshop - March, 2019.
- 2- Member of the Organizing Committee for the Arab Conference on Astronomy and Geophysics.



5- Solar and Space Research Department 5-1 Solar Research Laboratory

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👛 Position: Assistant Researcher (MSc. Student)
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☎ Phone:01143675068



* [Scientific Publication \(National& International\)](#)

Probing Variations of the Hydrogen Lyman-Alpha Line throughout Solar Cycle 24 (under referee)

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

الرصد البصري للاقمار الصناعيه و الحطام الفضائي

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)





NA

* [Other](#)

رصد هلال اول الشهور العربيه من الفيوم رصد خسوف القمر من القنا



5- Solar and Space Research Department 5-1 Solar Research Laboratory

 Name: Heba Zenhom Saied Hassan
 Position: Researcher Assistant (Ph.D student)
 Email: hebazenhomhassan@gmail.com
 Phone: 01017448210



* [Scientific publications \(National& International\)](#)

NA

* [Reviews of papers \(National& International\)](#)

NA

* [Conferences, Scientific missions & workshops](#)

1- Participation in observing Sunspots at dome solar.

2- Member of the observation committee for partial Lunar Eclipse – July, 2019, Egypt.

3- Member of the observation committee for the beginning of Hijri months El Mduara Mountain –El Fayum – Egypt.

4- Member of the observation committee for Mercury transit – November, 2019, NRIAG.

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. /Ph.D.](#)

NA

* [Books](#)

NA

* [Others](#)

NA



5- Solar and Space Research Department 5-1 Solar Research Laboratory

👤 Name: Gomaa Khalaf
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: gomaakhalaf@nriag.sci.eg
☎ Phone: 015549431739



* [Scientific Publication \(National & International\)](#)

NA

* [Reviews of Papers \(National & International\)](#)

NA

* [Conferences, Scientific Missions & Workshops](#)

Photonic optoelectronic materials. WNLO. HUST. Wuhan China

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

PhD student. WNLO. HUST. Wuhan China



5- Solar and Space Research Department 5-1 Solar Research Laboratory

👤 Name: Mohamed Sedik Abdullah
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: m.sedek@nriag.sci.eg
☎ Phone:01099678167



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

1. Member of the observation Committee for the beginning of the Hijri Months.
2. Participation in observing Sunspots at solar dome.
3. Participation in observing the mercury transit the sun on 11 Nov. 2019.
4. Participation in observing the sun perpendicular to Abu-Simbil temple on February and October, 2019.

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Phd Student.



5- Solar and Space Research Department 5-1 Solar Research Laboratory

👤 Name: Mohamed Abdel_Hamid Mohamed Shahat
👛 Position: Researcher Assistant (PhD. Student)
✉ Email: m.abdelhamid999@gmail.com
☎ Phone:01018190545



* Scientific Publication (National& International)

International

* Reviews of Papers (National& International)

International

* Conferences , Scientific Missions & Workshops

The 33rd THE EGYPTIAN MATERIALS RESEARCH SOCIETY International Conference ON Materials Science and Applications

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

NA



5- Solar and Space Research Department 5-1 Solar Research Laboratory

👤 Name: Eid Abdelwahed Mohamed Amin
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: eid_amin2004@yahoo.com
☎ Phone:01000241325



* [Scientific Publication \(National& International\)](#)

International

* [Reviews of Papers \(National& International\)](#)

International

* [Conferences , Scientific Missions & Workshops](#)

Conferences

* [Projects](#)

NA

* [Consultancy](#)

yes

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

phd student



5- Solar and Space Research Department

5-1 Solar Research Laboratory

Name: Fatma Abd Elwahab Ahmed
Position: Assistant Researcher
Email: fatma_abdelwahab91@yahoo.com
Phone: 0109 858 3254



* Scientific Publication (National & International)

Efficient and recyclable photocatalytic degradation of methylene blue dye in aqueous solution using nanostructured $Cd_{1-x}Co_xS$ films of different doping levels. In Materials Science in semiconductor Processing. October 2019.

* Teaching in Universities

NA

* Conferences, Scientific Missions & Workshops

NA

* Others

1. Member of the observation committee for the beginning of the Hijri months
2. Sunspots observation.
3. Lunar Eclipse on Jan. 21, 2019 observation.
4. Lunar Eclipse on July 16, 2019 observation.
5. Mercury transit on Nov. 11, 2019 observation.
6. Solar radiation observation



Space Research Laboratory



5- Solar and Space Research Department

5-2 Space Research Laboratory

No.	Name	Position	Activity
1	Rasha Ghoneim	Associate Professor	Active
2	Yousry Shafik Hanna	Emeritus Professor	Active
3	Makram Ibrahim Khalil Ibrahim	Professor	Active
4	Yehia Abdel-Aziz	Professor	Active
5	Afaf Mostafa Abdel-Hamid	Professor	
6	Susan Wassem Samwel	Associate Professor	Active
7	Maroof Marwan Hegazy	Associate Professor	Active
8	Ahmed Magdy Abdelaziz Abdelrahman Moursi	Researcher	Active
9	Mohamed Yahia Elemam Helaly	Researcher Assistant (Ph.D. student)	Active
10	Shafeeq Tealib	Researcher Assistant (Ph.D. student)	Active
11	Hani Mahmoud Mohammed	Position: Researcher	Active
12	Mahmoud Mustafa Muhammad Mahmoud	Researcher Assistant (Ph.D. student)	Active
13	Shereef Fareed	Researcher Assistant (Ph.D. student)	Active
14	Mustafa Aldeeb	Researcher Assistant (Ph.D. student)	Active
15	Hend Ahmed Mohamed Ezzat	Researcher Assistant (Ph.D. student)	Active
16	Esraa Abdel-Aziz Mohamed	Assistant Researcher (M.Sc. student)	Active
17	Meirna Gamal El-Din Farid	Assistant Researcher (M.Sc. student)	Active
18	Islam M. Hawash	Assistant Researcher (M.Sc. student)	Active



5- Solar and Space Research Department 5-2 Space Research Laboratory

👤 Name: Rasha Ghoneim
📁 Position: Associate Professor
✉ Email: rmfg66@hotmail.com
☎ Phone:01009333633



* Scientific Publication (National& International)

NA

* Reviews of Papers (National& International)

NRIAG Journal of Astronomy and Geophysics(Stability and Poincare Sections for restricted four-body problem)

* Conferences , Scientific Missions & Workshops

scientific mission: China (12 days) from 5 to 16 Nov 2019

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books





NA

* Other

وكيل كلية علوم الملاحة و تكنولوجيا الفضاء - جامعة بنى سويف - حتى نهاية سبتمبر 2019



5- Solar and Space Research Department 5-2 Space Research Laboratory

 Name: Yousry Shafik Hanna
 Position: Professor Emeritus
 Email: yousry_hanna@yahoo.com
 Phone: 01223191290



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

two international papers

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

- 1- Book of maths.(matrices - functions)
- 2- Book of maths (integration)
- 3- Book of maths (vectors - diff. equations)

* [Other](#)

I'm academic editor of the international astronomy and astrophysical research journal



5- Solar and Space Research Department

5-2 Space Research Laboratory

👤 Name: Makram Ibrahim Khalil Ibrahim
👔 Position: Professor
✉ Email: makikh@yahoo.com
☎ Phone: 01005799722



* Scientific Publication (National & International)

- 1- Zhipeng Liang, Xue Dong, Makram Ibrahim, Qingli Song, Xingwei Han, Chengzhi Liu, Haitao Zhang, Guohai Zhao, "Tracking the Space Debris from the Changchun Observatory", *Astrophys Space Sci* (2019) 364: 201. <https://doi.org/10.1007/s10509-019-3686-xr>, 2019.
- 2- M. Y. Helali, M. M. Saadeldin and Makram Ibrahim, "Effects of laser irradiation on the microstructure and surface morphology of zinc oxide doped with different additives", *Current Science* (2019), Vol. 116 No. (11) PP. 1818-1828.
- 3- Susan W. Samwel, Esraa A. El-Aziz, Henry B. Garrett, Ahmed A. Hady, Makram Ibrahim, Magdy Y. Amin, "Space Radiation Impact on Smallsats During Maximum and Minimum Solar Activity" *Advances in Space Research* (2019), Vol. 64, PP. 239-251.

* Reviews of Papers (National & International)

I participated in referee a research in the *International Journal of Power Electronics and Drive Systems (IJPEDS)*.

* Conferences, Scientific Missions & Workshops

- 1- Zhipeng Liang, Xue Dong, Makram Ibrahim, Qingli Song, Xingwei Han, Chengzhi Liu, Haitao Zhang, Guohai Zhao, "Tracking the Space Debris from the Changchun Observatory", *United Nations/Jordan Workshop "Global Partnership in Space Exploration and Innovation"* Amman, Jordan, 25-28 March 2019.

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

Referee Projects

- 1- Participated in referee a project produced to the Science and Technology Development Fund (STDF) during April 2019.
- 2- Participated in referee a project produced to the Science and Technology Development Fund (STDF) for capacity Building, during May 2019.
- 3- Participated in referee a project produced to the Science and Technology Development Fund (STDF) during June 2019.

Scientific Mission Traveled to two colleagues for space lab to China in a scientific mission, to visit the Xinglong Observatory and the Changchun Observatory during for 12 days during November 2019.

During our visit we agreed to apply for one of the international projects to be applied at the STDF.

"Egypt-China Cooperation Program: "Chinese-Egyptian Research Fund" (CERF)" international Lectures :-

- 1- The New Situations of the DLR-SLR Building.
- 2- The Space Research at NRIAG. Thesis Supervision



5- Solar and Space Research Department

5-2 Space Research Laboratory

1- Participated and still in the supervision of Mr. Mohamed Esam Said Abed Elaal for Master thesis at the facility of Science , Department of Physics, Space science division, Helwan University.

2- Participated and still in the supervision of Ms. Yara Ahmed Badawy for the Master thesis at the facility of Science , Department of Physics, Space science division, Helwan University. Others




1- prof. Makram Ibrahim is the main Participant with the help of the president of the institute (Prof. Hatem and Prof. Gad) in the cooperation with the Colleagues from the National Astronomical Observatories (Prof. Liu and Her Colleagues) in order to install a new building for the space debris and satellites observations. The ceremony of the foundation stone was in October 27, 2019.

2- We signed minutes of meeting for the cooperation. To Select an excellent optical observation site in Egypt and establish a satellite, space debris and near-Earth object Center for observation base jointly operated by China and Egypt.



5- Solar and Space Research Department

5-2 Space Research Laboratory

 Name: Yehia Abdel-Aziz
 Position: Professor
 Email: yehianriag@gmail.com
 Phone: 01009454048



* Scientific Publication (National & International)

1. Yehia Abdel-Aziz and et al. Semi-analytical Method for Active Removal of Space Debris with Electrodynamics Tether System, Proceeding of 8th European conference on aeronautics and space science, 1-4 July 2019, Madrid, Spain, DOI: 10.13009/EUCASS2019-532.
2. Yehia Abdel-Aziz and et al. Output feedback control for optimal propellantless formation keeping using Electrostatic forces, Proceeding of 8th European conference on aeronautics and space science, 1-4 July 2019, Madrid, Spain, DOI: 10.13009/EUCASS2019-577.
3. Abdel-Aziz, Yehia, and M. Abdel-Hameed, Experimental Study of Spacecraft Charging Effects on an Anodized Aluminum Surface at (N-SPI-U), NRIAG – Egypt, Advance in Space Research Journal (in Review)

* Reviews of Papers (National & International)

Aerospace Science and Technology Astrophysics and Space Science Advance in Space Research Applied Mathematical Modeling

* Conferences, Scientific Missions & Workshops

- 1- Head of Workshop of Optical Observation of Satellite and Space Debris, March 14, 2019, NRIAG.
- 2- Scientific Visit to University of Trieste, Italy 9-23 June 2019, started a scientific collaboration in the Field of Spacecraft- Environment interaction with Prof. Anaa Gerigorio.
- 3- 8th European conference on aeronautics and space science, 1-4 July 2019, Madrid, Spain, In this conference i have served as co chair of the session: S1 01- Space Debris & Reentry and presented two papers: a) Yehia Abdel-Aziz and et al., Semi-analytical Method for Active Removal of Space Debris with Electrodynamics Tether System, b) Yehia Abdel-Aziz and et al. Output feedback control for optimal propellantless formation keeping using Electrostatic forces.

* Projects

Vice president of the National Space Alliance Project to manufacture and Lunching a 3U-Cube Sat, July 2017-2020

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

- 1- Ph. D student working in Spacecraft Formation flying Control, July 2017- 2020, Shafeek, Cairo University.
- 2- Ph. D. Student working in the field of Spacecraft – Plasma interaction (May 2017-2020), Ahmed Abdelkhalek, Helwan Univesity.
- 3- Ph. D. Student working in the field of Spacecraft charging and discharging (May 2017-2020), Rasha Emar, Cairo University.
- 4- M. Sc. Student working in the field of characterization and orbital evaluation of Space debris, September 2017- 20120, Hager Ghoniem, Cairo University.
- 5- M.Sc. Student working in the field of Close Approaches of space debris with operational satellite 2017- 2020, Meirna Gamal, Helwan University.
- 6- M.Sc. student working in the field of active debris removal to avoid collision with operational satellite 2017- 2020, Islam Hawash, Helwan University



5- Solar and Space Research Department 5-2 Space Research Laboratory

* Books

NA

* Other

Investigator for a Master Thesis at Military Technical College at March 2019



5- Solar and Space Research Department

5-2 Space Research Laboratory

☎ Name: Susan Wassem Samwel
👤 Position: Associate Professor
✉ Email: samwelsw@yahoo.com, samwelsw@nriag.sci.eg
📞 Phone:01227512388



* Scientific Publication (National& International)

1. Samwel S.W., Abd El-Aziz E., Garrett H.B., Hady A.A., Ibrahim M., and Amin M.Y., Space Radiation Impact on Smallsats During Maximum and Minimum Solar Activity, *Advances in Space Research*, vol. 64 pp. 239–251, 2019
2. Miteva R., Samwel S. W., Radio signatures of in situ observed ACE/EPAM electron fluxes, *Proceedings of Eleventh Workshop “Solar Influences on the Magnetosphere, Ionosphere and Atmosphere” Primorsko, Bulgaria, June 3-7, 2019*, pp. 191-195, 2019
3. Miteva R., Samwel S. W., Veronig A., Koleva K., Dechev M., Dissauer K., Temmer M., Kozarev K., Zabunov S., EVE flare diagnostics of in situ observed electron events, *Proceedings of Eleventh Workshop “Solar Influences on the Magnetosphere, Ionosphere and Atmosphere” Primorsko, Bulgaria, June 3-7, 2019*, pp 196-200, 2019

* Reviews of Papers (National& International)

(international) 1- *Heliyon*, ISSN:2405-8440, Publisher: Elsevier, 2019

* Conferences , Scientific Missions & Workshops

1. AFRICAN GEOPHYSICAL SOCIETY CONFERENCE ON SPACE WEATHER, , Cairo, Egypt, 25-28 March 2019
2. Eleventh Workshop of Solar Influence on the Magnetosphere, Ionosphere and Atmosphere, Primorsko, Bulgaria, 3-7 June 2019
3. VarSITI Closing Symposium, Sofia, Bulgaria, 10-14 June, 2019
4. IEEE Conference on Power Electronics and Renewable Energy (CPERE), Aswan, Egypt, 23-27 October, 2019
5. Scientific mission to Space Research and Technology Institute, Bulgarian Academy of Science, Sofia, Bulgaria, 31/5/2019 till 14/6/2019

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

M.Sc. Thesis: Esraa Abd El-Aziz, «1- Space Environment interaction with small satellites», Faculty of Science, Cairo University

* Books

NA

* Other

Oral presentations and Posters:

1. Miteva R., Veronig A., Samwel S., Koleva K., Dechev M., Dickson E.C.M., Dissauer K., Kashapova L.K., and Temmer M., Multi-wavelength analysis of SEP-related solar flares during solar cycles 23 and 24, Fourteenth Annual Conference “Plasma Physics in the Solar System”, IKI RAS, 11-15 Feb, 2019, Moscow, 2019.
2. Samwel S. W., and Miteva R., Cataloging of Solar energetic electrons and protons during solar cycles 23 and 24, AFRICAN GEOPHYSICAL SOCIETY CONFERENCE ON SPACE WEATHER, Cairo, Egypt, 25-28 March 2019.



5- Solar and Space Research Department

5-2 Space Research Laboratory

3. Samwel S. W., and Miteva R., VarSITI database on in situ electron events and their radio emission signatures, Eleventh Workshop of Solar Influence on the Magnetosphere, Ionosphere and Atmosphere, Primorsko, Bulgaria, 3-7 June 2019.
4. Miteva R., Samwel S.W., Radio signatures of in situ observed ACE/EPAM electron events, Eleventh Workshop of Solar Influence on the Magnetosphere, Ionosphere and Atmosphere, Primorsko, Bulgaria, 3-7 June 2019.
5. Miteva R., Samwel S.W., Veronig A., Koleva K., Dechev M., Dissauer K., Temmer M., Kozarev K., Zabunov, S., EVE flare diagnostics of in situ observed electron events, events, Eleventh Workshop of Solar Influence on the Magnetosphere, Ionosphere and Atmosphere, Primorsko, Bulgaria, 3-7 June 2019.
6. Samwel S. W., and Miteva R., Solar Energetic Electrons and radio Emission Signatures, VarSITI Closing Symposium, Sofia, Bulgaria, 10-14 June 2019.
7. Miteva R., Veronig A., Samwel S. W., Koleva K., Dechev M., Dickson E., Dissauer K., Temmer M., Kozarev K., Kashapova L., On the flare contribution to solar energetic particles, VarSITI Closing Symposium, Sofia, Bulgaria, 10-14 June, 2019.
8. Miteva R., Samwel S. W., Veronig A., Dissauer K., Koleva K., Dechev M., “New Catalogs of solar energetic particles and properties of the associated flare emission”, XXIII All-Russian annual conference, “Solar and Solar-Earth Physics-2019”, St. Petersburg, GAO RAS., October 7-11, 2019,
9. Samwel S.W., Space Research and Applications at NRIAG, IEEE Conference on Power Electronics and Renewable Energy (CPERE), Aswan, Egypt, 23-27 October, 2019
10. Samwel S.W., Space Weather and its Effects on Space Missions, Space Research and Technology Institute, Bulgarian Academy of Science, Sofia, Bulgaria, 2019.





Membership:-

1. Scientific Discipline Representative (SDR) to Scientific Committee On Solar- Terrestrial Physics (SCOSTEP) in the field of Space Weather. International Council for Science (ICSU).
2. Member of the International Astronomical Union (IAU)
3. Member of the International Committee for Space Sciences (COSPAR)
4. Member of the National Committee for Astronomy and Space Research, Academy of Scientific Research and Technology, since October 2018
5. LOC member of the 7th ACAG meeting, NRIAG, Cairo, Egypt
- 6- Member at project titled “ Space as a hub for sustainable development”, Space Research council, Egyptian Academy of Scientific Research and Technology



5- Solar and Space Research Department

5-2 Space Research Laboratory

 Name: Maroof Marwan Hegazy
 Position: Associate Professor
 Email: maroof.hegazy@gmail.com
 Phone: 01114692079



* Scientific Publication (National & International)

1- Optoelectronic properties of gold nanoparticles synthesized by using wet chemical method Gad, G.M.A., Hegazy, M.A. 2019 Materials Research Express 6(8), 085024

2- Effect of nano metal oxides on the electronic properties of cellulose, chitosan and sodium alginate Ezzat, H.A., Hegazy, M.A., Nada, N.A., Ibrahim, M.A. 2019 Biointerface Research in Applied Chemistry 9(4), pp. 4143-4149

* Reviews of Papers (National & International)

NA

* Conferences, Scientific Missions & Workshops

The 1st International Conference on Molecular Modeling and Spectroscopy, National Research Centre, Cairo, Egypt, February 19-22, 2019

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

PhD supervision Hend Ahmed Mohamed Ezzat

* Books

NA

* Other

Training for undergraduate students from Cairo University and Helwan University. Training for MSc candidates from Cairo University.



5- Solar and Space Research Department

5-2 Space Research Laboratory

☎ Name: Ahmed Magdy Abdelaziz Abdelrahman Moursi
👤 Position: Researcher
✉ Email: ahmed_astro84@yahoo.com
📞 Phone:01113251476



* Scientific Publication (National& International)

1- Yehia Abdel-Aziz, Islam M. Hawash, A. M. Abdelaziz and Ayman M. Mahrous, Semi-analytical Method for Active Removal of Space Debris with Electrodynamics Tether System, DOI: 10.13009/EUCASS2019-532

* Reviews of Papers (National& International)

1- HEAT IN CELESIAL MECHANOCs (THERMODYNAMICS EFFECT OF THE SUN ON THE EARTH) (under reviewing for TIME JOURNAL OF ENGINEERING AND PHYSICAL SCIENCES)

* Conferences , Scientific Missions & Workshops

- 1- DL-101 General Course on Intellectual Property from 18 /11/2018 to 18/1/2019. WIPO Academy - [DL] Distance Learning Program.
- 2- Workshop: Meteorites in Egypt & the Middle East ,National Research Centre,17 March, 2019.
- 3- Workshop: Space Debris and Satellites Optical Observation – Satellites Surveillance Course, NRIAG,14 March 2019.
- 4- International summer space school (future space technologies and experiments in space), Samara, Russia, 17-28/6/2019.
- 5- Capacity building workshop on the framework for transfer of technology and research and development partnership in Egypt 17-18/7/2019.

* Projects

National Space Industry Alliance

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

1- Lecturer at Helwan university – faculty of science - department of physics



5- Solar and Space Research Department 5-2 Space Research Laboratory

👤 Name: Mohamed Yahia Elemam Helaly
👔 Position: Researcher Assistant (PhD. Student)
✉ Email: mohelaly71@gmail.com
☎ Phone:01095004632



* [Scientific Publication \(National& International\)](#)

One publication in Scopus journal (Current Science) with impact factor of 0.338 on June 10, 2019.

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

1

* [Projects](#)

2 projects, Satellite Laser Ranging from Helwan from the old station (in cooperation with Czech Republic) and member of the new Station (in cooperation with China)

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Ph.D. Thesis and Invention prototype



5- Solar and Space Research Department

5-2 Space Research Laboratory

👤 Name: Shafeeq Tealib
👔 Position: Researcher Assistant (PhD. Student)
✉ Email: shafeeq_abdalazeez@yahoo.com
☎ Phone: 01145201754



* Scientific Publication (National & International)

Output feedback control for optimal propellantless formation keeping using Electrostatic forces Yehia Abdel-Aziz, S. K. Tealib, M. E. Awad, Kh. I. Khalil, and M. Radwan DOI: 10.13009/EUCASS2019-577 Semi-Analytical Solution for Formation Flying Spacecraft Subject to Electromagnetic Acceleration S. K. Tealib, Yehia Abdel-Aziz, M. E. Awad, Kh. I. Khalil, and M. Radwan Universal Journal of Mechanical Engineering UJME-15114481-20191108-111035.doc Submitted (in Review))

* Reviews of Papers (National & International)

NA

* Conferences , Scientific Missions & Workshops

- ١- ورشة عمل بعنوان الرصد البصري للاقمار الصناعية والحطام الفضائي ودور المحافظة علي الاقمار الصناعية المعهد القومى للبحوث الفلكية ١٤ مارس
- ٢- ورشة عمل بعنوان دور مجالات الفضاء في المشروعات التنموية والصناعية في مصر ٢٠-٢١ مارس بكلية علوم الملاحة وتكنولوجيا الفضاء .
- ٣- المشاركة بالمدرسة الصيفية الخامسة عشر بعنوان تقنيات الفضاء المستقبلية وتجاربها في الفضاء جامعة سامار (قسم ابحاث الفضاء) - روسيا خلال الفترة من ١٦ الي ٣٠ يونية ٢٠١٩
- ٤- تمثيل المعهد بمذكرة تفاهم عن التعاون العلمى والتكنولوجى بين المعهد القومى للبحوث الفلكية والجيوفيزيقية - مصر و جامعة سامارا - جمهورية روسيا الاتحادية

* Projects

مشروع التحالف القومى لصناعة الفضاء

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

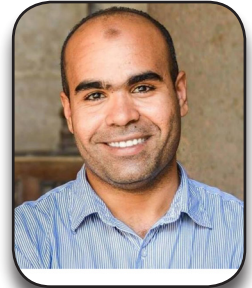
* Other

عمل مقدمة ومراجعة لكتاب علم المواقيت والقبلة والاهلة من الناحيتين الشرعية والفلكية الطبعة الاولى 2019 دار الظاهرية - الكويت



5- Solar and Space Research Department 5-2 Space Research Laboratory

👤 Name: Hani Mahmoud Mohammed
👔 Position: Researcher
✉ Email: hmmohamm@ucalgary.ca
☎ Phone: NA



* [Scientific Publication \(National& International\)](#)

Mohammed, H. M. and El-Sheimy, N.: SEGMENTATION OF IMAGE PAIRS FOR 3D RECONSTRUCTION, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-2/W16, 175–180, <https://doi.org/10.5194/isprs-archives-XLII-2-W16-175-2019>, 2019.

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

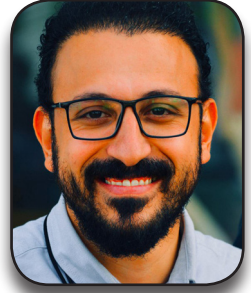
Awards:

- Alberta Graduate Excellence Scholarship (2019)
- Schulich School of Engineering Teaching Achievement Award (2019)
- Schulich TA Excellence Award (2019)
- Department of Geomatics Engineering TA recognition award. Teaching:
- Principle of photogrammetry (Teaching Assistant) - department of Geomatics Engineering -Schulich School of Engineering (Winter 2019)
- Oracle Database Programming and Design – Southern Alberta Institute of Technology (Winter 2019)
- Oracle Database Programming and Design – Southern Alberta Institute of Technology (Spring/Summer 2019)



5- Solar and Space Research Department 5-2 Space Research Laboratory

👤 Name: Mahmoud Mustafa Muhammad Mahmoud
👛 Position: Researcher Assistant (PhD. Student)
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☎ Phone: 01004940026



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

رصد الظاهرة الفلكية خسوف القمر ب أسوان , الاشتراك في برنامج رائد فضاء لمدة اسبوعين تحت رعاية مركز محمد بن راشد للفضاء وتلفزيون دبي ب دولة الامارات العربية المتحدة وكنت المصري الوحيد المتأهل للمرحلة النهائية بالمسابقة مع ٢٤ متسابق فقط من مختلف الدول العربية

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

عضو في لجنة رصد الشهب والنيازك - عضو في لجنة الانترنت وموقع المعهد الرسمية علي الانترنت



5- Solar and Space Research Department 5-2 Space Research Laboratory

👤 Name: Shereef Fareed
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: shereefscience@gmail.com
☎ Phone:01062954296



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Three Patents registration about scientific instruments for research laboratories



5- Solar and Space Research Department 5-2 Space Research Laboratory

👤 Name: Mustafa Aldeeb
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: mostafa.aldeeb@nriag.sci.eg
☎ Phone: 01028025063



* Scientific Publication (National & International)

- Correlation of acetylene plasma discharge environment and the optical and electronic properties of the hydrogenated amorphous carbon films <https://doi.org/10.1016/j.diamond.2019.04.021>
- Electrical and Optical Characterization of Acetylene RF CCP for Sy

* Reviews of Papers (National & International)

- Guest editor of Journal of Energy, Environmental & Chemical Engineering - IOP Publishing (Physica Scripta)

* Conferences, Scientific Missions & Workshops

- The Space Debris and Satellites Optical Observation Workshop, 14 March 2019 NRIAG, Cairo, Egypt.

* Projects

- TADDSAT Project - Enhancement of optical absorption in hydrogenated amorphous silicon thin film deposited by PECVD. Funded by science and technology development fund (STDF), pro. ID: 25652

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

NA



5- Solar and Space Research Department

5-2 Space Research Laboratory

👤 Name: Hend Ahmed Mohamed Ezzat
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: Hend_ahmed16@yahoo.com
📞 Phone:01007362112



* Scientific Publication (National& International)

- 1- H. Ezzat, R. Badry, I.S. Yahia, H.Y. Zahran, A. Ibrahim, H. Elhaes and M.A. Ibrahim, "Mapping the molecular electrostatic potential of fullerene", Egypt. J. Chem., 62(6), 1391 - 1402 (2019).
- 2- Shima G. ElGabaly, Gehan M. Youssif, Ahmed M. Bayoumy, Hend Ezzat, Hanan Elhaes, Medhat Ibrahim, "Modeling the Effect of functional groups on the electronic properties of benzene, pyridine and pyrimidine" Egypt. J. Chem. The First International Conference on Molecular Modeling and Spectroscopy, 1-11, (2019).
- 3- Hend A. Ezzat, Maroof A. Hegazy, Nadra A. Nada, Medhat A. Ibrahim, sodium alginate" Biointerface Res. Appl. Chem., 9(4) 4143 - 4149, (2019).

* Reviews of Papers (National& International)

NA

* Conferences . Scientific Missions & Workshops

- 1- The 1st International Conference on Molecular Modeling and Spectroscopy, National Research Centre, Cairo, Egypt, February 19 - 22, 2019.(Organizing)
- 2- The 11th International Conference on Nano-Technology in Construction, Sharm El Sheikh, Egypt, March 22-25, 2019.

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

NA



5- Solar and Space Research Department 5-2 Space Research Laboratory

👤 Name: Esraa Abd El-Aziz Mohamed
👛 Position: Assistant Researcher (MSc. Student)
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📞 Phone: 01156968436



* **Scientific Publication (National & International)**

One international paper

* **Reviews of Papers (National & International)**

Space radiation impact on smallsats during maximum and minimum solar activity

* **Conferences, Scientific Missions & Workshops**

ACAG5 ACAG6

- Satellite & space mission developments and applications

* **Projects**

NA

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

NA



5- Solar and Space Research Department 5-2 Space Research Laboratory

👤 Name: Meirna Gamal El-Din Farid
📁 Position: Assistant Researcher (MSc. Student)
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☎ Phone:01000008478



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

African Geophysical Society Conference on Space Weather (AGS2019) Space debris and satellite observation Workshop, march 2019

* [Projects](#)

Technology Development and Demonstration Satellite-TEDDSat project

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



5- Solar and Space Research Department 5-2 Space Research Laboratory

👤 Name: Islam M. Hawash
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: islam.hawash@nriag.sci.eg
☎ Phone:01060675576



* [Scientific Publication \(National& International\)](#)

- Semi-analytical Method for Active Removal of Space Debris with Electrodynamics Tether System. DOI: 10.13009/EUCASS2019-532

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

- The African Geophysical Society Conference on Space Weather (AGS 2019), 25-28 March 2019, SWMC, Cairo, Egypt.

-The Space Debris and Satellites Optical Observation Workshop,14 March 2019 NRIAG, Cairo, Egypt.

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

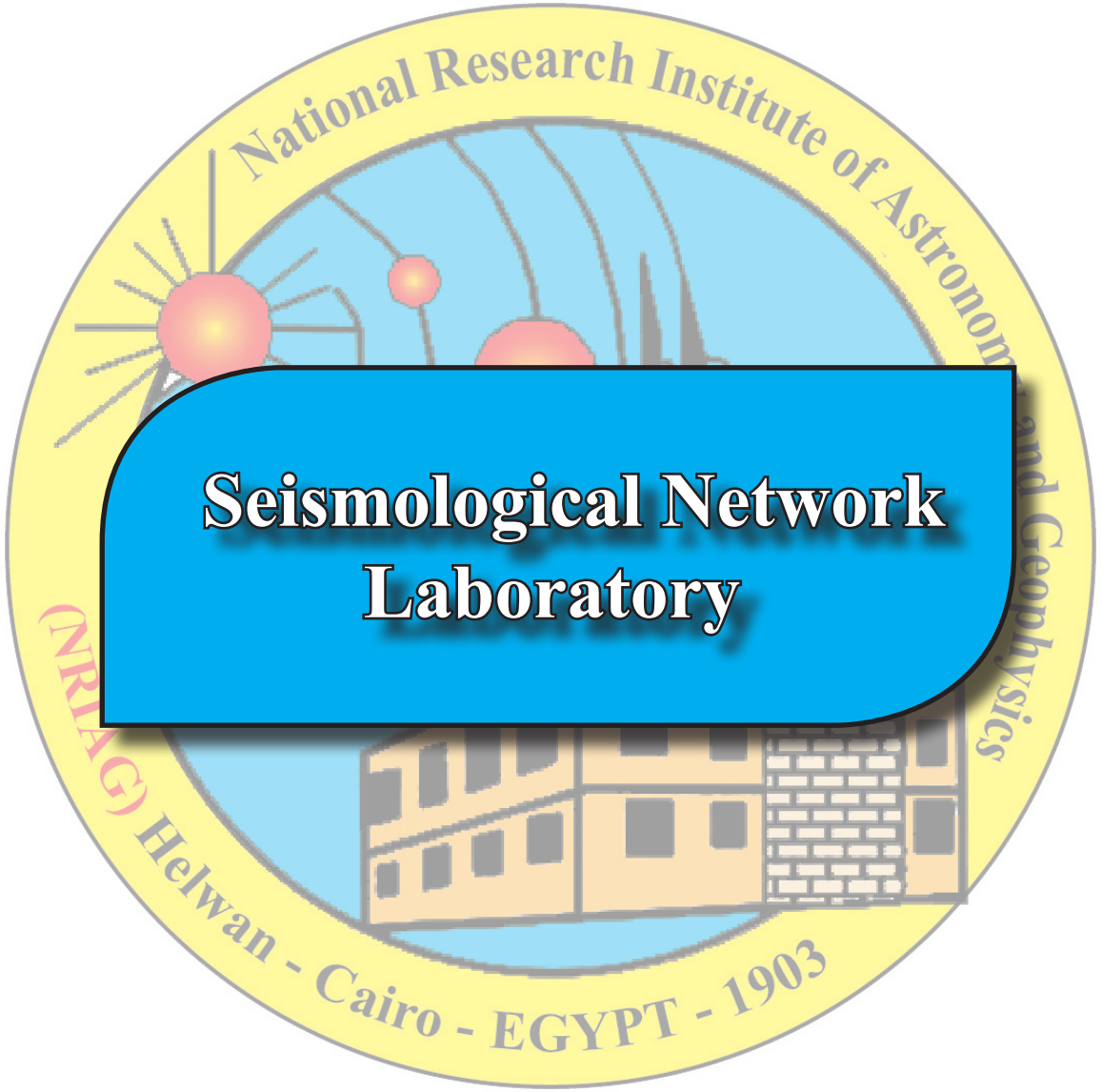
NA

* [Other](#)

NA



Seismology Department



**Seismological Network
Laboratory**



6- Seismology Department

6-1 Seismological Network Laboratory

No	Name	Position	Activity
1	Ahmed Ali Badawi	Research Professor and Head of Seismology Department	Active
2	Sherif Mohamed El-Hady	Research professor and head of the Egyptian National Seismological Network (ENSN)	Active
3	Ali Kamel Abdel-Fattah	Research Professor	On Leave
4	Kamal Mohamed Abul-Enein	Research Professor	On Leave
5	Kamal Abdel-Rahman El-Sayed	Research Professor	On Leave
6	Adel Mohamed Al-Shahat	Research Professor	On Leave
7	Sayed Shaban Rifai	Research Professor	Active
8	Abdulaziz Khairy Abdel Aal	Research Professor	On Leave
9	Sayed Abdul Azim Ferjani	Research Professor	On Leave
10	Rashad Muhammad Qubaisi	Professor Emeritus	Active
11	Abu Alala Amin Muhammad	Professor Emeritus	Active
12	Awad Al-Sayed Hassoub	Professor Emeritus	
13	Salah Al-Hadidi Ali Yousef	Professor Emeritus	On Leave
14	Hamed Abdel Moneim Nofal	Professor Emeritus	Active
15	Mahmoud Abdel-Halim Muhanna	Professor Emeritus	Active
16	Hisham Eid Abdul Hafeez	Associate Professor	Active
17	Gad Al-Karim Abd Rabuh Mohamed	Associate Professor	
18	Khaled Abd Allah Mahmoud	Associate Professor	Active
19	Ali Gamal Rabie	Associate Professor	Active
20	Muhammad Farooq Abdul Wahid	Associate Professor	On Leave
21	Sami Ahmed Fahmy	Associate Professor	On Leave
22	Mahmoud Salah Al-Hadidi	Associate Professor	Active
23	Mahmoud Sami Suleiman	Associate Professor	Active
24	Ali Shaban Mujahid	Researcher	On Leave
25	Sherif Mohamed Ali	Researcher	On Leave



6- Seismology Department

6-1 Seismological Network Laboratory

No	Name	Position	Activity
26	Mohamed Abd Rabbo Mohamed	Researcher	
27	Lotfi Sami Mohamed	Researcher	Active
28	Mohamed Salah Abdel-Zahir	Researcher	Active
29	Imad Kamal Muhammad	Researcher	Active
30	Mohammed Abdul Hai Azalab Arabs	Researcher	On Leave
31	Ashraf Abdul Rahman Adly	Researcher	
32	Ashraf Shaker Michael	Researcher	
33	Omar Saad	Researcher	Post Doctor Scholarship &Active
34	Amr El-Sharkawy	Researcher	Post Doctor Scholarship &Active
35	Muhammad Yassin Hussein	Researcher	Active
36	Ahmed Mohamed Farid	Researcher	
37	Walid Farid Ahmed	Researcher Assistant (PhD. Student)	
38	Ahmed Mohamed Tawfik	Researcher Assistant (PhD. Student)	Active
39	Hajar Saad Eddin Al-Sayed	Researcher Assistant (PhD. Student)	Active
40	Hazem Youssef Mohamed	Researcher Assistant (PhD. Student)	Active
41	Ramadan Madi Ali	Researcher Assistant (PhD. Student)	
42	Aboutalib Ali Abu Talib	Researcher Assistant (PhD. Student)	Active
43	Ibrahim Jamal Ibrahim	Researcher Assistant (PhD. Student)	On Leave
44	Samar Ali Ahmed	Researcher Assistant (PhD. Student)	Active
45	Mohamed Ahmed Taha	Researcher Assistant (PhD. Student)	
46	Rahma Reda Mouad	Researcher Assistant (PhD. Student)	Active
47	Ghada Hussein Mohammed	Assistant Researcher (MSc. Student)	Active
48	Maryam Abdulnabi Abdul Latif	Assistant Researcher (MSc. Student)	Active
49	Hussein Sabry Abdullah	Assistant Researcher (MSc. Student)	Active
50	Hany Abulnaga Amin	Assistant Researcher(MSc. Student)	Active



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Ahmed BADAWEY
👔 Position: Professor
✉ Email: badawy@nriag.sci.eg
☎ Phone: 01001008089



* Scientific Publication (National& International)

1

* Reviews of Papers (National& International)

5

* Conferences , Scientific Missions & Workshops

4

* Projects

2

* Consultancy

5

* Supervision of M.Sc. / Ph.D.

2

* Books

NA

* Other

NA



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Sherif Mohamed El-Hady EL-Nashar
👔 Position: Professor
✉ Email: sherif_elhady@nriag.sci.eg
📞 Phone: 01002886461



* Scientific Publication (National& International)

- Potential Seismogenic Source Model for the Red Sea and Coastal areas of Saudi Arabia Int. J. Econ. Environ. Geol. Vol. 10 (2) 26-31, 2019. - A new perspective of the 2009 Al-Ays earthquake episode at western Arabia Journal of Asian Earth Sciences 188)

* Reviews of Papers (National& International)

Ground motion acceleration and response spectra of Al-Mashair area, Makkah AlMukarramah, Saudi Arabia Arabian Journal of Geosciences June 2019, 12:346
DETECTION OF STRUCTURAL SETTING THAT CONTROLLING HAMMAM FAROUN AREA, USING AEROMAGNETIC AND SEISMICITY DATA, GULF OF SUEZ, EGYPT Journal of African Earth Sciences
Tracking multiscale heterogeneities through seismic ambient noise constrains: What Rayleigh waves tomography can tell about shallow structures in Morocco Journal of African Earth Sciences
Shallow seismic refraction investigations of the fracture zone at KM 22 area of QenaSafaga road, south of Egypt Arabian Journal of Geosciences
Real Time P-wave picking for Earthquake Early Warning System Using Discrete Wavelet Transform NRIAG Journal of Astronomy and Geophysics

* Conferences , Scientific Missions & Workshops

NA

* Projects

A new damage criteria norm for blast-induced ground vibrations in Egypt SEISMIC HAZARD ANALYSIS OF ATTAQA PSPP PROJECT

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

Estimation of local magnitude of Egypt, M.S.c student Mohamed Sabry

* Books

تطبيقات الصور الفضائية والطرق الجيوفيزيائية في تفسير مخاطر الزلازل والبراكين بالدرج العربي، المملكة العربية السعودية دار النشر جامعة الملك عبد العزيز





* Other

NA



6- Seismology Department

6-1 Seismological Network Laboratory

 Name: Sayed Shaban Refaie Moustafa
 Position: Professor
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 Phone: 01002089177



* Scientific Publication (National & International)

Anbazhagan, P, KN Srilakshmi, Ketan Bajaj, Sayed SR Moustafa, and Nassir SN Al-Arifi, "Determination of seismic site classification of seismic recording stations in the Himalayan region using HVSR method," Soil Dynamics and Earthquake Engineering, 2019, 116, 304–316.

Anbazhagan, Panjamani, Ketan Bajaj, Karanpreet Matharu, Sayed SR Moustafa, and Nassir SN Al-Arifi, "Probabilistic seismic hazard analysis using the logic tree approach–Patna district (India)," Natural Hazards and Earth System Sciences, 2019, 19 (10), 2097–2115.

Moro, Giancarlo Dal, Nassir Al-Arifi, and Sayed R Moustafa, "On the efficient acquisition and holistic analysis of Rayleigh waves: Technical aspects and two comparative case studies," Soil Dynamics and Earthquake Engineering, 2019, 125, 105742.

* Reviews of Papers (National & International)

NA

* Conferences, Scientific Missions & Workshops

Acquisition and Analysis of Surface Wave Data in the Indo Gangetic Basin: Proceedings of the 2nd GeoMEast International Congress and Exhibition on Sustainable Civil Infrastructures, Egypt 2018
– The Official International Congress of the Soil-Structure Interaction Group in Egypt (SSIGE)

* Projects

NA

* Consultancy

Quarry Blast Monitoring for Cement Companies

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

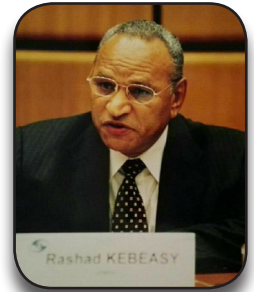
Awarded a Research Projects Funded through the National Science, Technology and Innovation Plan (NSTIP) in Saudi Arabia entitled "Seismic Microzonation and Site Specific Ground Motion Modeling in The Western Part of the Kingdom of Saudi Arabia". Number: 09-ENV840-02



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Rashad Qebeasy
👔 Position: Professor
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📞 Phone: 01006232302



* **Scientific Publication (National& International)**

Many

* **Reviews of Papers (National& International)**

Many

* **Conferences , Scientific Missions & Workshops**

Many

* **Projects**

- 1- Founded the project of Seismic studies and evaluation of Aswan High Dam stability, A cooperation program between Aswan High Dam Authority and NRIAG, 1982, Endless project.
- 2- Founded the cooperation program between NRIAG and Egyptian Nuclear Power Plants for site selection, 1982, Endless project.
- 3- Founded the Monument Safety Project between NRIAG and the Monument Authority. A cooperation program, 1985 till 1992.
- 4- Founded the project of minimizing the Quarry Blast Effect , 1988, Endless project.
- 5- Founded the Crustal Deformation studies in Egypt ,1987 Endless project.
- 6- Founded the Aswan Regional Earthquake Center ,1982. A cooperation program between Aswan High Dam Authority and NRIAG.
- 7- Supervised the establishment of the International Data Center of the Comprehensive Nuclear Test - Ban Treaty Organization (CTBTO), 1977 - 2004, Vienna, Austria.
- 8- Supervised the establishment of the Global Communication Infra Structure of the Comprehensive Nuclear Test-Ban Treaty Organization (CTBTO) , 1977 - 2004 , Vienna , Austria.
- 9- Provided Technical Support in the field of Detection, Location and Identification of Nuclear explosions either in the underground or under water or in the atmosphere to many countries of the world (1997- 2004) through the CTBTO.

* **Consultancy**

Many

* **Supervision of M.Sc. / Ph.D.**

Many

* **Books**

Many

* **Other**

NA



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Abuoelela Amin Mohamed
📁 Position: Professor Emeritus
✉ Email: abuoelala99@hotmail.com
☎ Phone: 012223669967



* Scientific Publication (National& International)

Sadeeq I. Marzouk, Mohamed G. El-Ibiary, Abuoelela A. Mohamed, Moustafa S. Abdelhakem and Medhat M. ElRayess, 2019»Engineering Seismological Studies for the Northern Extension of the 15 May City, Cairo, Egypt, Journal of Applied Geophysics.

* Reviews of Papers (National& International)

Journal of the African Science. Journal of the Arabian Science. Geophysical Prospecting. Pure and Applied Geophysics. Journal of NRIAG. Journal of Geophysical Society of Egypt. others

* Conferences , Scientific Missions & Workshops

NA

* Projects

Cement Project. ElDabaa Project.

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

Mohamed Yaseen Atiya, Ph.D. Sadeeq Imam Marzouk, M.Sc.

* Books

NA

* Other

1. المشاركة في اعمال المعمل والقسم المختلفه.
2. الاشراف علي تدريب طلاب الجامعات المصريه المختلفه بالمعهد.
3. المشاركة في مشاريع المعمل البحثيه
4. المشاركة في ترقية الاساتذه والاستاذه المساعدون في المعاهد والهيئات العلميه المصريه المختلفه كعضو اللجنه العلميه الدائمه بالمعهد.
5. الاشراف علي بعض المدرسين المساعدين ومساعدي الباحثين بالمعهد احدهما منح درجه الدكتوراه
6. نشر عدد 1 بحث.



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Hamed Nofal
👛 Position: Professor Emeritus
✉ Email: hamednofal85@gmail.com
☎ Phone:01000928567



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

International

* [Conferences , Scientific Missions & Workshops](#)

Conference

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

M.Sc «Tracking and Classification of Moving Ground Targets Using a Seismic Sensor»

* [Books](#)

NA

* [Other](#)

NA



6- Seismology Department

6-1 Seismological Network Laboratory

Name: Mahmoud A. Mohanna
Position: Professor Emeritus
Email: mahmoud2746@nriag.sci.eg
Phone: 01221695895



* Scientific Publication (National & International)

NA

* Reviews of Papers (National & International)

reviewer of 4 papers in Shoubra faculty of engineering journal:

1. «The Vulnerability of Free Space Optical Communication Systems Against Severe Weather Conditions»
2. «EVS LTE Coder»s Performance under Different Frame Loss Conditions»
3. «4*4 microstrip Patch Antenna Array used to Breast Cancer Detection System»
4. Performance Evaluation of EVS Audio Coder for Oriental and Orchestral Musical Instruments»

* Conferences , Scientific Missions & Workshops

NA

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

1. «Light Fidelity (Li-Fi) Transceiver for Data Transmission» For the Ph.D. Degree in Communication Engineering By Eng. Tarek Hosni Ali Salem, a Thesis Submitted to the Faculty of Engineering «Shoubra» Benha University , The student was awarded a doctorate degree.
2. «Indoor Optical Attocell via Visible Light Communication (VLC) Technique» For the Ph.D. Degree in Communication Engineering By Eng. Mohamed Ebrahim Gabr Ahmed Zereek, a Thesis Submitted to the Faculty of Engineering «Shoubra» Benha University , The student was awarded a doctorate degree.

* Books

NA

* Other

تحكيم ومناقشة عدد ٩ رسائل بكلية هندسة شبرا جامعة بنها:

١. «ترشيد استهلاك الطاقة باستخدام تقنيات التجميع لانظمة انترنت الاشياء» رسالة ماجستير للطالب أحمد جمال سليمان
٢. «دراسة قابلية تأثير أنظمة الاتصالات البصرية في الفضاء ضد تغييرات الطقس الحادة» رسالة ماجستير للطالبة سمر على محمد
٣. «خلية ضوئية داخلية متناهية الصغر من خلال تقنية الاتصال البصري» رسالة دكتوراه للطالب محمد ابراهيم جبر
٤. «مراسل ضوئي امين لنقل البيانات» رسالة دكتوراه طارق حسني على
٥. «LTE Audio Coder Performance Evaluation» Master thesis of engineer Yasser Ali Zinhoum
٦. «تصميم جديد للكشف عن سرطان الثدي باستخدام هوائى الشرائط الدقيقة» رسالة ماجستير فاطمة عبد المنعم مصطفى
٧. « التعرف على لغة الإشارة العربية بناءا على القفزات الذكية» رسالة ماجستير مينا رزق اسحق
٨. «Implementing Spectrum Sensing Technique» Master thesis of engineer Mona Abo bakr Hafez
٩. «G Mobile Networks speech Coding» Master thesis of engineer Kerstina Gamal Khilil performance Evaluation of»



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Hesham Eid Abdel Hafiez mossa
📁 Position: Associate Professor
✉ Email: heshammossa@gmail.com
☎ Phone:01000087923



* [Scientific Publication \(National& International\)](#)

4

* [Reviews of Papers \(National& International\)](#)

5

* [Conferences , Scientific Missions & Workshops](#)

4

* [Projects](#)

6

* [Consultancy](#)

8

* [Supervision of M.Sc. / Ph.D.](#)

5

* [Books](#)

NA

* [Other](#)

Teaching at Zewail University - Renewable Energy Dept.



6- Seismology Department

6-1 Seismological Network Laboratory

Name: Khaled AbdEllah Mahmoud Omar
Position: Associate Professor
Email: khaled.yosif@yahoo.com
Phone: 01093821263



* Scientific Publication (National& International)

- 1- Study of the Relationship between Recently Induced Earthquakes and Water Level at the Northwestern Side of Lake Nasser in Aswan Region, Egypt Kh. A. Omar, E. M. El-Amin, S. A. Dahy, M. O. Ebraheem March 2019, Volume 53, Issue 2, pp 251–259, Geotectonics journal
- 2-Single and multi-channel passive source methods for calculating the shallow S-wave velocity structure and site effect parameters at 15 th May City, Egypt A.M.Abudeif, M.A.Mohammed, A.K.Abdel-aal, Kh.A.Omar, Journal of African Earth Sciences 159 (2019)
- 3- Seismic activity and energy release of earthquakes along the Gulf of Aqaba. Kh. A. Omar, E.M. El-Amin, S.A. Dahy, and M.O. Ebraheem “ November 2019, Volume 53, Issue 6, Geotectonics journal
- 4- Studying the evolution of earthquake network measures for the main shock of 24/06/2015 in Egypt, the 2 nd Conference of the Arabian Journal of Geosciences, the conference proceedings will be published online on 25 November 2019 at SpringerLink in the book series “Advances in Science, Technology and Innovation” (ASTI)

* Reviews of Papers (National& International)

- 1- Methods for evaluating liquefaction - a study from Algeria». Hocine Bendadouche, Samir Lillouch, Conference Paper of the 2 nd Conference of the Arabian Journal of Geosciences
- 2-Assessment of present day stress field in Syria using the published focal mechanisms, Mohamad Khir Abdul-wahed, Conference Paper of the 2 nd Conference of the Arabian Journal of Geosciences
- 3-A New Ground Motion Prediction Equation (GMPE) for Shallow Depth Interface Subduction Earthquakes for Northeastern India (NEI) and its Adjacent Region ,Ricky L. Chhangte, Dr. T. Rahman , Conference Paper of the 2 nd Conference of the Arabian Journal of Geosciences
- 4-Source and path characteristics of Chamoli region, India Neetu Goswami, S. C. Gupta, Ashwani Kumar, M.L. Sharma, Conference Paper of the 2 nd Conference of the Arabian Journal of Geosciences

* Conferences , Scientific Missions & Workshops

- 1- A stress release model in Egypt” by Khaled Omar and Ourania Mangira accepted for an oral presentation at IESCA-2019 to be held during 7-11 October 2019 at Dokuz Eylul University DESEM, Congress Centers, Alsancak – İzmir / Turkey.
- 2-I have paper that accepted for an oral presentation at The 2 nd Conference of the Arabian Journal of Geosciences that hold in Sousse , Tunisia from 25-28/11/2019 Studying the evolution of earthquake network measures for the main shock of 24/06/2015 in Egypt, Khaled Omar and Dmitris Chorozoglou
- 3 - NRIAG Annual conference from 22-26 -12/2019, Cairo, Egypt Scientific Missions 1- Scientific mission from 10/02/2019 to 25/02/2019, in Greece in Thessaloniki, Aristotle University, Geology School, Geophysics Department. Seismic attenuation in the unstable shelf of north Egypt Workshops 1- workshop for Scientific equipments , Kinematics company- on 21 July 2019.

* Projects

- 1- detecting joints and fractures at Wadi Hoof caves project
- 2- the detectability of ENSN stations (STDF funded)
- 3- El-Dabaa Project

* Consultancy

NA



6- Seismology Department

6-1 Seismological Network Laboratory

* Supervision of M.Sc. / Ph.D.

PhD thesis, Mr. Walid Farid Microearthquakes in Egypt: Observation and Implication. (Internal)

* Books

NA

* Other

- 1- Member of Egyptian Geophysical Association
- 2- Member of the Library Committee and attend the meeting of the Committee Monthly, The attendance of Laboratory Council and Department Council
- 3- manger of Data base and mitigation of Risk
- 4-Issuing of Annual Bulletin of ENSN.



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Ali Gamal Rabie
👔 Position: Associate Professor
✉ Email: aligamal@tllab.com
☎ Phone: 01153124013



* **Scientific Publication (National & International)**

Hideki Yayama, Yugo Nishimura, Hiroka Uchiyama, Hiroshi Kawai, Jean-Paul van Woensel, Ali G Hafez, Electric response induced by second sound in superfluid helium, Journal of Low Temperature Physics, Vol., 44, Issue 10, pp. 1090-1096

* **Reviews of Papers (National & International)**

IEEE transaction of geosciences and remote sensing NRIAG Journal of Astronomy and Geophysics

* **Conferences, Scientific Missions & Workshops**

Short Visit (two weeks) Kyushu University, Yayama Lab, Jan 2019

* **Projects**

-SDTF Project, Short term fellowship

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

Comprehensive spectral analysis methodologies to extract phase arrivals in seismic records, Eng Ghada Ali, MSC, Azhar Univ, Ongoing

* **Books**

NA

* **Other**

NA



6- Seismology Department

6-1 Seismological Network Laboratory

Name: Mahmoud Salah El-hadidy
Position: Associate Professor
Email: Elhadidy.ms@nriag.sci.eg
Phone: 01005060277



* Scientific Publication (National & International)

- 1- Soil Site Characterization of Rabigh city, Western Saudi Arabia Coastal Plain, using HVSR and HVSR inversion techniques, Abdalaziz Bankher, Abdullah Al-Amri, Kamal Abdelrahman, Mahmoud El-Hadidy, Hani Zahran, (Accepted in the Arab Journal of Geoscience)
- 2- Design Response Spectrum of some selected cities along the northwestern coast of Egypt. A. Badawy, H. Gaber and M. Elhadidy, *Egy. J. Appl. Geoh.*, vol. 18, No. 2, Sep. 2019.
- 3- Seismic hazard maps of Egypt based on spatially smoothed seismicity model and recent seismotectonic models, Mohamed S. Abdalzaher, Mahmoud El-Hadidy, Hanan Gaber, and Ahmed Badawy, (Accepted in the Journal of the African Earth Science).

* Reviews of Papers (National & International)

Earthquake Engineering and Engineering Vibration. Journal of King Saud University

* Conferences, Scientific Missions & Workshops

Award a certificate from the International Labor Organization as a certified trainer in the entrepreneurship, in the program ' Know About Business (KAB)'' Workshop: Role of seismology in developing blasting techniques required for cement industry 12 March, 2019. Workshop entitled " Applications of the integrated geophysical methods for engineering purposes" Nov. 21 2019, Aswan.

* Projects

Monitoring the effects of quarry blasts in Egypt, NRIAG. Geotechnical map of western Saudi Arabia, SGS, Saudi Arabia.

* Consultancy

Performed and participated in many consultations

* Supervision of M.Sc. / Ph.D.

- 1- PhD thesis, Mr. Ahmed Mohamed Faried, Assistant researcher, NRIAG. Ain Shams University "Detailed Crustal structure of Sinai Peninsula, Egypt"
- 2- Ms.c thesis, Mr. Ahmed Abdel Mola, Geophysicist, Nuclear Power Planet Authority , Ain Shams University. "Tsunami Hazard assessment in the North Western part of Egypt"
- 3- Ph D thesis, Mr. Hazem Badr Eldin Assistant researcher, NRIAG. Ain Shams University "Multi-approach seismic hazard analysis in Egypt"

* Books

NA





* Other

- 1- Member in the organizing committee of the Arab Conference of Astronomy and Geophysics, 7th assembly, up to May 2019.
- 2- Organizer in the workshop entitled "The Role of the National Research Institute of Astronomy and Geophysics in Cement Industry – Mining studies between monitoring and development", 16 January 2019, NRIAG, Egypt.
- 3- Member of the Organizing Committee of 13th General Assembly of the Asian Seismological Commission.
- 4- Organizer of the workshop entitled " Applications of the integrated geophysical methods for engineering purposes" Nov. 21 2019, Aswan.



6- Seismology Department

6-1 Seismological Network Laboratory

 Name: Mahmoud Sami Soliman
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 Phone:01148096547



* Scientific Publication (National& International)

M. Sami Soliman,Hani M. ZahranSalah Y. ElhadidyWael W. Alraddadi, Evaluation of Saudi National Seismic Network (SNSN) detectability, Arabian Journal of Geosciences Volume 12,P 330 A. Badawy,M. Gamal,W. Farid,M. Sami Soliman: Decontamination of earthquake catalog from quarry blast events in northern Egypt, Journal of Seismology ,<https://doi.org/10.1007/s10950-019-09873-8> (2019)

* Reviews of Papers (National& International)

1 paper review

* Conferences , Scientific Missions & Workshops

- Process to Foster Knowledge and Technology Transfer (KTT),Cairo, 4-5 February 2019
- Workshop course on Setting-up and Running a start –up Company, Cairo, 6 February 2019
- Workshop course on Intellectual Property: patenting and Licensing , Cairo, 6 March 2019
- Workshop course on Working at the Interface between Academia and Industry , Cairo, 6 March 2019
- TECHNICAL MEETING ON SHI SOFTWARE ENGINEERING AT THE IDC Vienna 1-2 July 2019
- Coordinators' Meeting on Belt and Road Seismic Risk Reduction, Beijing ,11-12June, 2019
- Workshop on Knowledge & Technology Transfer,Leiden,Netherlands,22-24 October 2019

* Projects

Detection of the Egyptian National Seismological Network capability performance, and its contribution in evaluation of the Seismic Hazard in and around Egypt. STDF

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

Supervision of Ph.D. with title «Earthquakes Detection and Location based on Machine Learning Techniques» ,Under study Supervision of M.Sc. with title «Body wave and ambient Noise seismic tomography of Aswan,Egypt»,Under study

* Books

NA

* Other

Participate in Knowledge & Technology Transfer office establishment Member of ASC2020 organization committee Member of ACAG7 organization committee



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Lotfy Samy
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☎ Phone:01147771660



* [Scientific Publication \(National& International\)](#)

Mohamed S. Abdalzaher, Lotfy Samy, Osamu Muta, “Nonzero-sum Game-based Trust Model to Enhance Wireless Sensor Networks Security for IoT Applications”, IET Wireless Sensor Systems, Volume 9, Issue 4, August 2019, p. 218 – 226, DOI: 10.1049/iet-wss.2018.5114 , Print ISSN 2043- 6386, Online ISSN 2043-6394

* [Reviews of Papers \(National& International\)](#)

Conference: JAC-ECC 2019 Journal: NRIAG Journal of Astronomy and Geophysics

* [Conferences , Scientific Missions & Workshops](#)

Post-doctoral: Egypt-Japan Education partnership program.

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

M.Sc. Mrs. Ghada Ali, Research Assistant, NRIAG, AL Azhar University Title: Comprehensive Spectral Analysis Methodologies to Extract Phase Arrivals in Seismic Records.

* [Books](#)

NA

* [Other](#)

Program committee member of “JAC-ECC 2019: International Japan-Africa Conference on Electronics, Communications and Computations 2019”



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Mohamed Salah Abdalzaher Mohamed
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☎ Phone:01117825787



* Scientific Publication (National& International)

Five International Papers

- Mohamed S. Abdalzaher, and Osamu Muta. «Employing Game Theory and TDMA Protocol to Enhance Security and Manage Power Consumption in WSNs-Based Cognitive Radio.» IEEE Access 7 (2019): 132923-132936.
- Mohamed S. Abdalzaher, and Hussein A. Elsayed. «Employing data communication networks for managing safer evacuation during earthquake disaster.» Simulation Modelling Practice and Theory 94 (2019): 379-394.
- (1st and second authors are equal contributed)
Elwekeil, Mohamed, Mohamed S. Abdalzaher, and Karim Seddik. «Prolonging smart grid network lifetime through optimising number of sensor nodes and packet length.» IET Communications 13.16 (2019): 2478-2484.
- Mohamed S. Abdalzaher, Lotfy Samy, and Osamu Muta. «Non-zero-sum game-based trust model to enhance wireless sensor networks security for IoT applications.» IET Wireless Sensor Systems (2019).
- Mohamed S. Abdalzaher and Osamu Muta, «A Game-theoretic Approach for Clustered WSNs Nodes Compliance against DoS Attack» URSI-Japan Radio Science Meeting 2019, Tokyo

* Reviews of Papers (National& International)

Eleven International Journal Papers

* Conferences , Scientific Missions & Workshops

NA

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

- Ranked first of reviewing number of International papers out of all NRIAG research staff based on Publons. com matrix: https://publons.com/researcher/?institution=1240560&is_core_collection=1&order_by=verified_reviews_performed_last_12_months - Profes



6- Seismology Department

6-1 Seismological Network Laboratory

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* Scientific Publication (National & International)

Mohamed E. K., (2019) Source mechanisms and simulation of ground motions of 18 and 22 July 2014 Suez earthquakes, NRIAG Journal of Astronomy and Geophysics, 8:1, 34-44, DOI: 10.1080/20909977.2019.1615807.

* Reviews of Papers (National & International)

NA

* Conferences, Scientific Missions & Workshops

1. Scientific mission in research cooperation with the Institute of Geophysics, India from June 06 to June 20, 2019, at the Department of Geophysics.

٢. ورشة العمل الإقليمية لصناع القرار حول الاستفادة من استخدام تقنيات الفضاء للدول الأعضاء في التنمية المستدامة في الفترة من ١٠ - ١١ سبتمبر ٢٠١٩.

* Projects

1. Wadi Hoof Project for Studying and detecting the joints and cracks in a limestone quarry.

2. عضو بمشروع بحثي ممول من أكاديمية البحث العلمي وعنوانه (دراسة آثار تفجيرات محاجر الاسمنت على العاصمة الإدارية الجديدة)

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

M. Sc. Thesis. Sherif Mohamed Geophysics Department, Faculty of Science, Ain Shams University. Shallow Seismic Refraction around New Capital City

* Books

المشاركة في إعداد بيانات نشرة الزلازل للعام الماضي 2018

* Other

1. عضو ممثل للقسم في إعداد كتاب المعهد للعام الماضي 2018
2. الاشراف على نوباتجية الشبكة القومية للزلازل
3. عضو بمجلسي المعمل والقسم
4. أمين سر مجلسي المعمل والقسم



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Omar M. Saad
📁 Position: Researcher
✉ Email: engomar91@gmail.com
☎ Phone:01018870665



* **[Scientific Publication \(National& International\)](#)**

Saad, Omar M., Ahmed Shalaby, and Mohammed S. Sayed. «Automatic discrimination of earthquakes and quarry blasts using wavelet filter bank and support vector machine.» Journal of Seismology 23, no. 2 (2019): 357-371.

* **[Reviews of Papers \(National& International\)](#)**

IEEE Geoscience and Remote Sensing Letters

* **[Conferences , Scientific Missions & Workshops](#)**

NA

* **[Projects](#)**

NA

* **[Consultancy](#)**

NA

* **[Supervision of M.Sc. / Ph.D.](#)**

NA

* **[Books](#)**

NA

* **[Other](#)**

NA



6- Seismology Department

6-1 Seismological Network Laboratory

Name: Amr El-Sharkawy
Position: Researcher
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Phone: 4915212063297



* Scientific Publication (National& International)

- Kästle, E. D., Rosenberg, C., Boschi, L., Bellahsen, N., Meier, T., and El-Sharkawy, A.: Slab Break-offs in the Alpine Subduction Zone, *Solid Earth Discuss.*, <https://doi.org/10.5194/se-2019-17>, in review, 2019.
- A. El-Sharkawy, T. Meier, S. Lebedev, M. Hamada, L. Cristiano and C. Weidle: The Slab Puzzle in the Alpine-Mediterranean Region: Evidence from a new High-Resolution Shear-Wave Velocity Model of the Upper Mantle, in prep to GGG.
- A. El-Sharkawy, T. Meier, Christian Hübscher, Sergei Lebedev, Anke Dannowski and Heidrun Kopp: Seismic structure of Triassic oceanic and stretched continental lithosphere in the eastern Mediterranean from surface wave tomography, in preparation to EPSL.

* Reviews of Papers (National& International)

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* Conferences, Scientific Missions & Workshops

- The 2nd AlpArray science meeting, 12th - 15th November 2019, Frankfurt, Germany.
- European Geosciences Union General Assembly 2019, Vienna, Austria, April 7th -12th, 2019.
- The COOL "Oman Ophiolite project" working group meeting in Potsdam University, Potsdam-Golm, Germany, March 26th, 2019.
- The 3rd AlpArray surface wave working group meeting, 21st - 22nd February 2019, the Darwin building, campus de la Doua, 3-9 Rue Raphaël Dubois, 69100 Villeurbanne, Lyon, France.
- The Alps for Non-Geologists workshop (29th–3st January 2019) «Understanding the central Alpine-Mediterranean chain – a Primer», Berlin Germany
- The American Geophysical Union, 10th – 14th December 2018, Washington D.C., USA.
- SPP-AlpArray meeting, Mountain Building Processes in 4D, 6th - 9th November 2018, Frankfurt, Germany.

* Projects

- Surface Wave Tomography across the Europe-Mediterranean and Middle East based on Automated Rayleigh- and Love-wave Inter-station Phase Velocity Measurements (Amr El-Sharkawy^{1,2}, Thomas Meier¹, Sergei Lebedev³, Mona Hamada², Luigia Cristiano¹ Christian Weidle¹) 1 Institute of Geosciences, Christian-Albrechts University, Kiel, Germany 2 National Research Institute of Astronomy and Geophysics, Helwan, Cairo, Egypt 3 Dublin Institute for Advanced Studies, Dublin, Ireland
- Investigating the lithospheric structure underneath the eastern Mediterranean Basin from the joint interpretation of seismic refraction data and surface wave dispersion measurements (Amr El-Sharkawy^{1,2}, Thomas Meier¹, Sergei Lebedev³, Christian Hübscher⁴, Anke Dannowski⁵ and Heidrun Kopp⁵) 1 Institute of Geosciences, Christian-Albrechts University, Kiel, Germany 2 National Research Institute of Astronomy and Geophysics, Helwan, Cairo, Egypt 3 Dublin Institute for Advanced Studies, Dublin, Ireland 4 Institute of Geophysics, Hamburg University, Germany 5 GEOMAR Helmholtz-Centre for Ocean research, CAU, Kiel, Germany
- Surface Wave Tomography of the Oman Ophiolite (Ambient Noise): project identification: Deutsche Forschungsgemeinschaft (DFG) – Project number 314082754 <http://gepris.dfg.de/gepris/projekt/314082754> (Lars Wiesenberg¹, Amr El-Sharkawy^{1,5}, Christian Weidle¹, Thomas Meier¹, Philippe Agard², Celine Ducassou³, Issa El-Hussain⁴)

1 Institute of Geosciences, Christian-Albrechts-University Kiel, Germany

2 University Pierre et Marie Curie Paris 6, France



6- Seismology Department

6-1 Seismological Network Laboratory

3 German University of Technology, Muscat, Oman; now at: Université de Rennes, France

4 Earthquake Monitoring Center, Sultan Qaboos University, Muscat, Oman

5 National Research Institute of Astronomy and Geophysics, Helwan, Cairo, Egypt

• Surface Wavefield Tomography of the Alpine Region to Constrain Slab Geometries, Lithospheric Deformation and Asthenospheric Flow. (The 4D-MB SPP Priority Programme «Mountain Building Processes in Four Dimensions (MB-4D)» SPP 2017): http://www.spp-mountainbuilding.de/about/phd_postdoc/index.html<http://www.spp-mountainbuilding.de/index.html> (Marcel Tesch¹, Manuel Ditz², Amr El-Sharkawy^{1,3}, T. Meier¹, W. Friederich², J. Ebbing¹)

1 Institute of Geosciences, Christian-Albrechts Universität, Kiel

2 Ruhr-Universität Bochum, Bochum, Germany

3 National Research Institute of Astronomy and Geophysics, Helwan, Cairo, Egypt

• AlpArray:<http://www.alparray.ethz.ch/en/home/><http://www.alparray.ethz.ch/en/research/research-groups/surface-wave-rg/>

• Constraining the dynamics of the present-day Alps with 3D geodynamic inverse models (Georg Reuber¹, Thomas Meier², Jörg Ebbing², Amr El-Sharkawy^{2,3}, and Boris Kaus¹) 1 Johannes-Gutenberg Universität, Mainz, Germany 2 Institute of Geosciences, Christian-Albrechts Universität, Kiel, Germany 3 National Research Institute of Astronomy and Geophysics, Helwan, Cairo, Egypt

• Crustal Model Validation in the Mediterranean Sea (Gabi Laske¹, Amr El-Sharkawy^{2,3}, Thomas Meier², Mona Hamada³, Sergei Lebedev⁴)

1 UCSD, SIO, IGPP-0225, La Jolla, United States of America

2 Institute of Geosciences, Christian-Albrechts Universität, Kiel, Germany

3 National Research Institute of Astronomy and Geophysics, Helwan, Cairo, Egypt

4 Dublin Institute for Advanced Studies, Dublin, Ireland

• Probabilistic inversion for the North Atlantic based on integration different geophysical datasets (Alexander Minakov¹, Amr El-Sharkawy^{2,3}, Thomas Meier², and Juan Carlos Afonso⁴)

1 Centre for Earth Evolution and Dynamics (CEED), University of Oslo, Norway

2 Institute of Geosciences, Christian-Albrechts Universität, Kiel, Germany

3 National Research Institute of Astronomy and Geophysics, Helwan, Cairo, Egypt

4 Department of Earth and Planetary Sciences, Macquarie University, Sydney, Australia

• Joint Inversion of Ambient Noise and Earthquake based phase velocity measurements (Emanuel Kästle¹, Amr El-Sharkawy^{2,3}, Lapo Boschi¹, Thomas Meier², Claudio Rosenberg¹, Nicolas Bellahsen¹)

1 Institut des Sciences de la Terre, Paris (ISTeP), Université Pierre et Marie Curie, Paris, France

2 Institute of Geosciences, Christian-Albrechts Universität, Kiel, Germany

3 National Research Institute of Astronomy and Geophysics, Helwan, Cairo, Egypt

• Ambient Noise Tomography Across Egypt (Mona Hamada¹, Amr El-Sharkawy^{1,2}, Thomas Meier², Sergei Lebedev³)

1 National Research Institute of Astronomy and Geophysics, Helwan, Cairo, Egypt

2 Institute of Geosciences, Christian-Albrechts Universität, Kiel, Germany

3 Dublin Institute for Advanced Studies, Dublin, Ireland

• Sensitivity study on separation of crustal and mantle contribution to the Alpine gravity field (Maximilian Löwe¹, Jörg Ebbing¹, Thomas Meier¹, and Amr El-Sharkawy^{1,2}) 1 Institute of Geosciences, Christian-Albrechts Universität, Kiel, Germany 2 National Research Institute of Astronomy and Geophysics, Helwan, Cairo, Egypt

• Surface Wave Tomography of the Pannonian Basin from Ambient Noise (Máté Timkó¹, Lars Wiesenberg², Amr El-Sharkawy^{2,3}, Zoltán Weber¹, Thomas Meier² and the AlpArray Working Group¹)

1 Kövesligethy Radó Seismological Observatory, CSFK GGI, Budapest, Hungary

2 Institute of Geosciences, Christian-Albrechts-Universität zu Kiel, Germany

3 National Research Institute of Astronomy and Geophysics, Helwan (11421), Cairo, Egypt

* Consultancy

• The American Geophysical Union membership (AGU)

• The European Geosciences Union membership (EGU)



6- Seismology Department

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- The German Geophysical Society membership (DGG)
- The Egyptian Geophysical Society membership (EGS)

* Supervision of M.Sc. / Ph.D.

Bachelor students 1) Name: Tatjana weiler Topic: Upper mantle structure between Iceland and Norway Master students 1) Name: Morlin Neckel Topic: Isotropic 3D crustal structure underneath the Eifel plume based on Ambient noise tomography 2) Name: Jill Peikert Topic: Anisotropic surface wave tomography in central Europe

* Books

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* Other

Teaching duties at the Institute of Geosciences, Christian-Albrechts University of Kiel, Germany



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Mohamed yassien
👔 Position: Researcher
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* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

دور الزلازل في اعمال التفجير لصناعه الاسمنت.
استخدام وتطبيقات الاساليب الحديثه في التخريم في صناعه الاسمنت

* [Projects](#)

Cement

* [Consultancy](#)

cemet and Wadi Houf

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

الحصول على درجه الدكتوراه في الزلازل - كلية العلوم - جامعه الزقازيق



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Ahmed Mohamed Tawfiek
Position: Researcher Assistant (PhD. Student)
✉ Email: ahmed.tawfiek@gmail.com
☎ Phone: 01066463111



* [Scientific Publication \(National& International\)](#)

A review of Egyptian National Seismological Network after 20 years of operation, under review

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

Detection of Egyptian National Seismological Network Capability performance and its contribution to the evaluation of Seismic Hazard in and around Egypt.

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Hagar Saad
📁 Position: Researcher Assistant (PhD. Student)
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☎ Phone:01005856179



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Workshop: Role of seismology in developing blasting techniques required for cement industry 12 March, 2019.

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

1-Registered for PHD degree Title: “Earthquakes Detection and Location based on Machine Learning Techniques”

2- Scientific Publication (the paper is being submitted) “Applications of Deep Learning in Seismology”



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Hazem Badreldin
👔 Position: Researcher Assistant (PhD. Student)
✉ Email: geo.hazem@yahoo.com
☎ Phone:01000499950



* Scientific Publication (National& International)

1. Ali, S.M. and Badreldin, H., 2019. Present-day stress field in Egypt based on a comprehensive and updated earthquake focal mechanisms catalog. Pure and Applied Geophysics, pp.1-32. 2. Badreldin, H., Abd el-aal, A. K., Toni, M., El-Faragawy, K., Moment tensor inversion of small-to-moderate size local earthquakes in Egypt, Journal of African Earth Sciences (2019), doi: <https://doi.org/10.1016/j.jafrearsci.2018.12.004>.

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

a. Present-day stress field in Egypt based on a comprehensive and updated earthquake focal mechanisms catalog, (oral presentation) First Scientific Congress of Junior Geoscientists in Egypt (SCJGE-1) Geology Department, Faculty of Science, Sohag University In Collaboration with The Egyptian Society For Geosciences and Development & The Arabian Geosciences Union (ArabGU), 3 - 4 February 2019 Egypt. b. Specialisation certificate in the assessment and management of geological and climate related risk (CERG-C) diploma in geological risk, Uni. Of Geneva, Swaziland (April 2019 – June 2019) c. 13th Annual AfricaArray Workshop, University of the Witwatersrand, Johannesburg, South Africa (06-13 July 2019). d. The Global Platform for Disaster Risk Reduction (GP2019) , Geneva, Switzerland from 13 to 17 May, 2019

* Projects

A- Member in Dabaa's nuclear power plant Project (operating local seismic network around the nuclear power plant and monitoring the seismic activity to assess the seismic hazard and mitigate the risk around the nuclear power plant) From 2013 until now.

B- Member in the Egyptian database centre project (preparing of the Egyptian annual seismic bulletin). C- Member in seismic hazard assessment for North Africa from Oct. 2018 until now .

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

Prize : Best oral presentation in geophysics and petroleum session in First Scientific Congress of Junior Geoscientists in Egypt (SCJGE-1) Geology Department, Faculty of Science, Sohag University In Collaboration with The Egyptian Society For Geosciences and Development & The Arabian Geosciences Union (ArabGU), 3 - 4 February 2019 Egypt.



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Abutaleb Ali
📄 Position: Researcher Assistant (PhD. Student)
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☎ Phone:01068666732



* **Scientific Publication (National& International)**

NA

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

1. The Sixth Arab Conference on Astronomy and Geophysics (ACAG-6) in Helwan, Egypt, from 15 to 17 Oct. 2018.
2. Second School on Advanced Modeling of Seismic Hazard in Africa held at NRIAG, Helwan, Cairo, Egypt. From 17-18 October 2018.
3. Seismic noise analysis using QTS technique (Nakamura technique) held at NRIAG, Helwan, Cairo, Egypt. From 20-21 October 2018.
4. International School on Earthquake and tsunami: Modeling and observations held at National Engineering School of Tunis, Tunis, Tunisia uring 19-30 November 2018. In cooperation with the abdu salam international centre for theoretical physics (ICTP).

* **Projects**

1. Member in Cement project till now
2. Member in Wadi Hoof project to study the subsurface structures and cavities using seismic refraction technique till 2018
3. Member in Database group for the Egyptian National Seismic Network (ENSN) in order to archiving the seismic data of ENSN and concluding the annual seismic bulletin for NRIAG.

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

NA



6- Seismology Department

6-1 Seismological Network Laboratory

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* **Scientific Publication (National& International)**

NA

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

- 1- The scientific committee (SC) of the 1st scientific Congress of Junior Geo-scientists in Egypt (SCJGE-1), Sohag university , February 3 -4, 2019
2. Training Course on Seismology, Seismic Data Analysis, Hazard Assessment and Risk Mitigation August 12 to September 6, 2019 Potsdam, Germany at GFZ German Research Centre for Geoscience.
3. Attendance The Fourth International on New Horizons in Basic and Applied Sciences (ICNHBAS 26 – 29 July 2019, Hurghada, Egypt).
- 4- Workshop: Role of seismology in developing blasting techniques required for cement industry 12 March, 2019.
- 5- Sustainable conservation of UNESCO and other heritages sites through proactive geosciences 10 -12 December 2019

* **Projects**

Cement Project

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

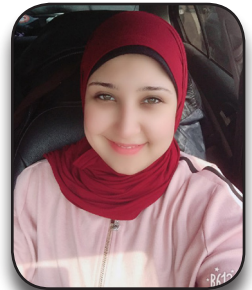
Member at Cement Project (monitoring the company explosion) Member at ENSN database.



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Rahma Reda
📁 Position: Researcher Assistant (PhD. Student)
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☎ Phone:01033440666



* [Scientific Publication \(National& International\)](#)

International "Study a Bearing-Only Moving ground target tracking problem using single seismic sensor"

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Conference ICCEs Dec.2018 "Bearing Only Tracking in Cluttered Environment using Seismic Sensors" added to IEEE Xplore 2019

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Ghada Ali
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: ghada_ali@nriag.sci.eg
☎ Phone:01155149417



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

Dr. Ali Gamal Hafez

* [Books](#)

NA

* [Other](#)

NA



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Mariam Abdelnaby Sallam
👛 Position: Researcher
✉ Email: mariamsallam18@gmail.com
📞 Phone: 01090711192



* [Scientific Publication \(National & International\)](#)

NA

* [Reviews of Papers \(National & International\)](#)

NA

* [Conferences, Scientific Missions & Workshops](#)

Scientific Missions to Trieste, Italy for one month

* [Projects](#)

Member in the Egyptian database center project Cement project

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Apply to master degree at Benha University



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Hussein Sabry Abdullah Mohamed
👛 Position: Assistant Researcher (MSc. Student)
✉ Email: Hussein.geophysicist7@gmail.com
☎ Phone:01152594961



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

- 1-Take part in the cement project(monitored the company explosion)
- 2- take part in the data base group to make archiving

* [Consultancy](#)

Microtremor test in Egyptian pyramids

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



6- Seismology Department

6-1 Seismological Network Laboratory

👤 Name: Hany Abuelnaga Amen Adam
👔 Position: Assistant Researcher (MSc. Student)
✉ Email: hanya.adam@nriag.sci.eg
☎ Phone: 01069499751 / 01143300751



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Participated in (The Scientific Committee (SC) of the 1 st Scientific Congress of Junior Geoscientists in Egypt (SCJGE-1) held at Sohag University, February 3-4, 2019), and attending the post- SCJGE-1 Field Training Workshop, February 5-8, 2019, Golden Triangle Area, Eastern Desert, Egypt

* [Projects](#)

Take part in the Cement project (monitoring & reporting the company explosion).

* [Consultancy](#)

Participate in shallow seismic refraction survey in The New Capital in Cairo.

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

I share with my colleagues at the Egyptian national seismic network in monitoring and analysis of the data of seismic activity. Take part in the data base group to make archiving data. My current research in the master's stage is focus on the used ambient noise technique and body wave arrival time from earthquakes to create seismic tomography of Aswan, Egypt).



**General Seismology
Laboratory**



6- Seismology Department

6-2 General Seismology Laboratory

No	Name	Position	Activity
1	Iman Faraj Hassan Abu Al-Nazr	Assistant Research Professor and Head of General Seismology Lab.	Active
2	Mamdouh Abbas Morsi	Professor Emeritus	
3	Sondos Labib Masih	Professor Emeritus	On Leave
4	Ali Ahmed Gharib	Professor Emeritus	
5	Saud Abdul Hadi Abdullah	Professor Emeritus	
6	Reda Abdel Fattah	Researcher	On Leave
7	Mohamed El-Amine	Researcher	Active
8	Medhat Abdel-Maboud El-Rayes	Researcher	Active
9	Asem Mostafa Taha	Researcher	Active
10	Shaima Ali Mamoun	Researcher	Active
11	Mohamed Ibrahim Abdel-Aal	Researcher Assistant (PhD. Student)	Active
12	Emad Badr Al-Din Abdulaziz	Researcher Assistant (PhD. Student)	
13	Mohamed Mohamed El-Sayed	Researcher Assistant (PhD. Student)	Active
14	Rabab Muhammad Ghiyat	Assistant Researcher (MSc. Student)	On Leave
15	Ibrahim Youssef Ahmed	Assistant Researcher (MSc. Student)	
16	Hind Lotfy Abdel Hakim	Assistant Researcher (MSc. Student)	Active



6- Seismology Department

6-2 General Seismology Laboratory

👤 Name: Iman Farag Hassan Abu El Nadr
👛 Position: Associate Professor
✉ Email: iman.abuelnadr@nriag.sci.eg
☎ Phone: 01003483891

* **Scientific Publication (National& International)**

NA

* **Reviews of Papers (National& International)**

«ATTENUATION OF P AND S WAVES FOR ASWAN REGION»NRIAG Journal of Astronomy and Geophysics

* **Conferences , Scientific Missions & Workshops**

3

* **Projects**

NA

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

Supervision of M.Sc. of Hend lofty (researcher Assistant in NRIAG) of title “Determine of source parameters for earthquakes in Aswan area”.

* **Books**

NA





* **Other**

إدارة و تطوير مشروع شبكة العجلة الزلزالية للحد من المخاطر الناجمة عن حدوث زلازل و بالأخص فى مناطق الدلتا والمدن ذات الأهمية الإقتصادية و الإستراتيجية والواقعة قريبا من خليج العقبة و خليج السويس (مثل مدن شرم و طابا و نوبيع و ذهب و الغردقة) كذلك المشاركة فى دراسات المسح السيزمى الضحل لإستخدامها فى الدراسات الجيوتقنية و الهندسية كوسيلة لدراسة الخطر الزلزالى. دراسة الظواهر التى تنشأ عن حدوث الزلازل مثل حركات الصدوع و الفوالق و التراكيب التكتونية. أيضا عمل تقارير للزلازل ذات القوة الأكبر من أو تساوى 5 من بيانات شبكة العجلة. كذلك جارى عمل Data base ببيانات الزلازل المسجلة من خلال شبكة العجلة الزلزالية.



6- Seismology Department

6-2 General Seismology Laboratory

 Name: Mohamed EL-Amin Mohamed
 Position: Researcher
 Email: gmmawad20@gmail.com
 Phone: 01110743316



* **Scientific Publication (National& International)**

- Abu Dirwa Fault, a Tectonic Active Fault Triggered by Water Diffusion from Lake Nasser, Aswan, EGYPT
Gaber H. Hassib, Ezzat M. El-Amin, Haggag H. Mohamed ISSN 1687-1251 in in the 18th volume 2019.
EGYPTIAN JOURNAL OF APPLIED GEOPHYSICS

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

Workshop held by Aswan Regional Earthquakes Research center 2019

* **Projects**

NA

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

Supervising the Aswan SEISMIC STATION



6- Seismology Department

6-2 General Seismology Laboratory

👤 Name: Medhat Elrayess
👔 Position: Researcher
✉ Email: medhatelrayess@yahoo.com
☎ Phone: 01115773519



* **Scientific Publication (National& International)**

- Determination of shallow site dynamic characteristics using seismic techniques in Suez city, Egypt , Journal of African earth science. - Site effect estimation using Horizontal to Vertical (H/V) spectral ratio technique in Nile Delta, Egypt, NRIAG Journ

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

The 13th International Conference on Mining, Metallurgical Engineering (MPM13)

* **Projects**

NA

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

Microtremors study using spectral ratio technique in 15TH of May City, Cairo, Egypt

* **Books**

NA

* **Other**

NA



6- Seismology Department

6-2 General Seismology Laboratory

Name: Asem Mostafa Taha Mohamed Salama

Position: Researcher

Email: asem.mostafa@nriag.sci.eg

Phone: 01224017195



* Scientific Publication (National & International)

1. Title: Towards an African Seismological Data Center Author(s): Mohamed Elgabry, Islam Hamama, Mahmoud Salam, Adel Sami, Asem Salama, Mustapha Meghraoui, Paulina Amponsah, Georges Mavonga Tuluka, Michelle Grobbelaar, Atalay Ayele, Mohamed Maklad
2. Title: Preliminary tsunami hazard map of Africa Author(s): Asem Salama, Mohamed Elgabry, Mustapha Meghraoui, Hesham Hussein Moussa This two papers will publish at 2nd Conference of the Arabian Journal of Geosciences (CAJG 2019), in the conference proceedings by Springer by 25 November 2019

* Reviews of Papers (National & International)

MANSOURA JOURNAL OF GEOLOGY (paper entitle «The Relation between Seismic Local Magnitude and Charge Weight for Quarry Explosions in Egypt»)

* Conferences, Scientific Missions & Workshops

1. Meteoroids in the Arab world at the national research center (17 March 2019)
2. The role of earthquakes in the cement manufacture explosive development at NRIAG (12 March 2019)
3. Geomorphology, geo archeology and geo-heritage modern research and advanced geotechniques workshop at Department of Geography and GIS, Faculty of Arts, Ain Shams University coorganized with CEREGE, Aix-Marsillie University, France. March 23-24, 2019.
4. The Euro-Mediterranean Disaster Prevention Program of the European Union meeting at Information and Decision Support Center IDSC at 10 October 2019
5. world tsunami day workshop at Alexandria university 5 November 2019

* Projects

participated at Cement project by supervising at the daily shift of national seismological network and monitoring the daily cement blasts

* Consultancy

complete the final report of Geotechnical studies at New capital city for final submit

* Supervision of M.Sc. / Ph.D.

supervision to Master entile «Geophysical and Geotechnical investigations at Ataqa industrial zone, Northern Gulf of Suez, Egypt»

* Books

NA

* Other

1. Teach "principle of seismology" at science faculty ELMonfia University
2. Supervising and monitoring earthquakes and cement blast at the national seismological network.
3. supervising and monitoring the large earthquakes at strong motion network.
4. scientific field work using seismic refraction technique and MASW for geotechnical study at Ataqa industrial zone (25 to 30 August 2019).
5. field work to study flood of the paleoriver at Giza cooperated with AinShams & Kafr El Sheikh AixMarseille Universities (May 2019) .
6. « Geoarchaeology and geomorphology of pharaonic harbors of the Red sea and Giza (Egypt) poster » presented at Labex OT-Med conference, Marseille Authors : Younes G., H. Sheisha, A. Salama, Z. Chen, M. Djamali, M.



6- Seismology Department

6-2 General Seismology Laboratory





Lehner, N. Marriner, C. Morhange, A. Saleem

7.Help in transfer and establish of the new center of strong motion Nile Delta network.



6- Seismology Department

6-2 General Seismology Laboratory

 Name: Shaimaa Ali Mamoun Khair Khater
 Position: Researcher
 Email: shaimaamaamounkhater@gmail.com
 Phone: 01225073525 / 01553316303



* **Scientific Publication (National& International)**

NA

* **Reviews of Papers (National& International)**

Decontamination of the seismicity catalogue of Idfu, Egypt using discrimination criteria.. الجمعية الجيوفيزيقية

* **Conferences , Scientific Missions & Workshops**

Participate at the Global seismological observation course at Japan # 2nd international conference of Faculty of Science, Hurghada, Egypt

* **Projects**

#Crustal and upper most mantle structure beneath the Qattara dispersion area from the transfer and receiver function method. #Detection of the Egyptian National Seismological network capability performance, and its contribution in evaluation of the seismic hazard in and around Egypt

* **Consultancy**

Scientific consultation of Aswan and Idku region

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

#Get my PhD in Geophysics from Ain Shams University



6- Seismology Department

6-2 General Seismology Laboratory

👤 Name: Mohamed Ibrahim Abdel Aal El Dabaa
👛 Position: Researcher Assistant (PhD. Student)
✉ Email: mohamedibrahim.77771@yahoo.com
☎ Phone: 01100233468



* **Scientific Publication (National& International)**

1- «Crustal deformation of the southeastern corner of Egypt derived from geodetic data.» NRIAG Journal of Astronomy and Geophysics.

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

1-Workshope «Geomorphology, Geoarchology and Geohertiage: Modern Research and advanced Geo-techniques. Ain Shams University, Faculty of Art, Department of Geography and GIS» Ain Shams University, Cairo (Egypt).

2- «1st» Youth Scientists Conference Sohage University, Sohage (Egypt).

3-Advanced Workshop on Earthquake Fault Mechanics: Theory, Simulation and Observations ICTP, Trieste (Italy).

* **Projects**

Egyptian National seismological Network project.

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

NA



6- Seismology Department

6-2 General Seismology Laboratory

👤 Name: Mohamed Mohamed Elsayed
👛 Position: Researcher Assistant (PhD. Student)
✉ Email: sayed.mohamed9870@nriag.sci.eg
☎ Phone: 01014823022



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Attending a conference at Berlin, Germany from 9 -13 Sep (YES Congress 2019)

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



6- Seismology Department

6-2 General Seismology Laboratory

👤 Name: Hend lotfy Abdelhakeem Ali
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: Hendlotfy@yahoo.com
☎ Phone: 01011186902



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

I participated in the fourth international conference on new horizons in basic and applied sciences

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

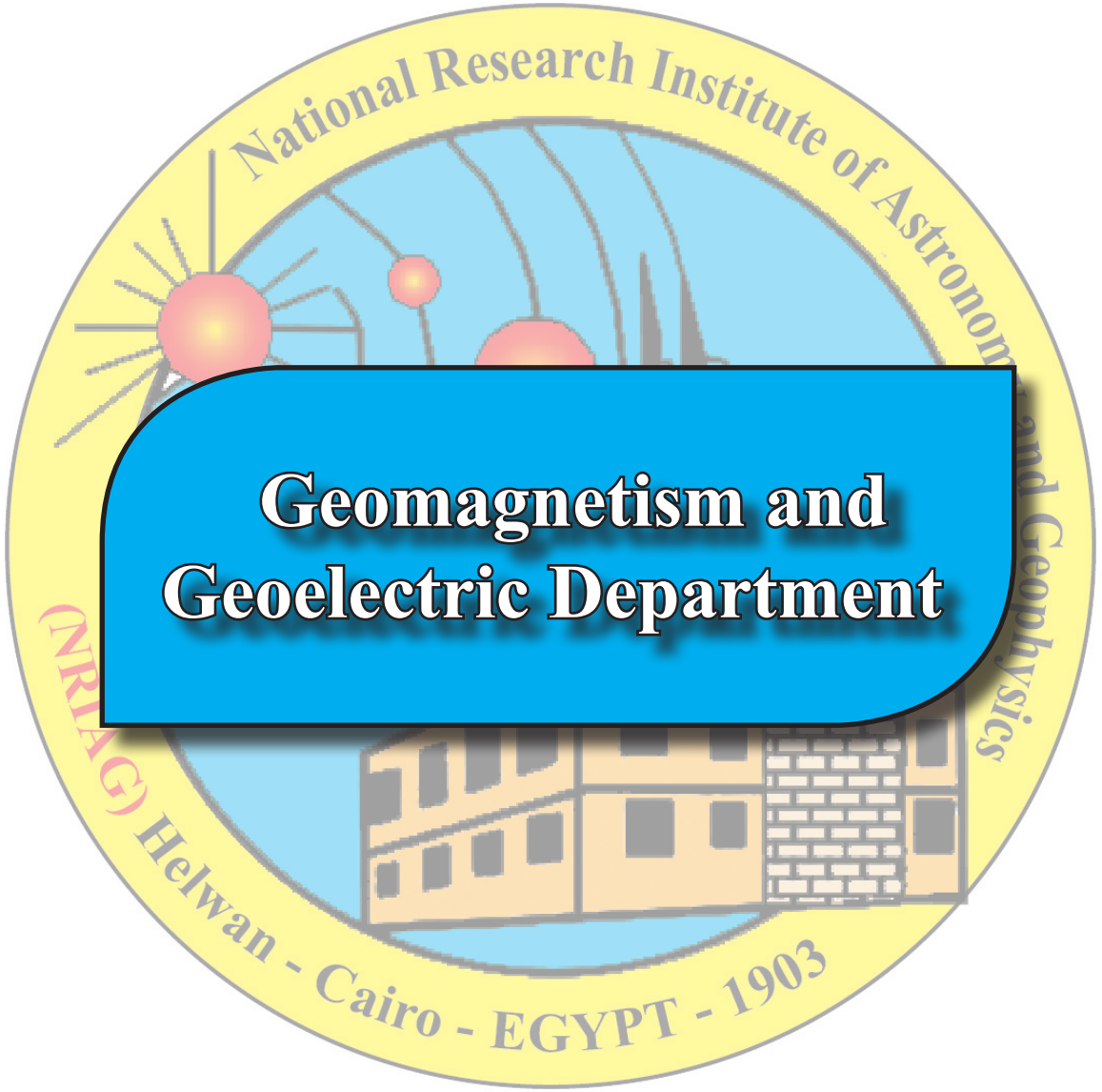
* [Books](#)

NA

* [Other](#)

I participated in English course training

I participated in motion, processing and analysis of strong motion data Besides the work of master's thesis



**Geomagnetism and
Goelectric Department**



Geomagnetism Laboratory



7- Geomagnetism and Geoelectric Department

7-1 Geomagnetism Laboratory

No.	Name	Position	Activity
1	Ibrahim ElHemaly	Professor Head of Dept	
2	Taha Rabeh	Professor Head of Lab	
3	Esmat Abd Elaal	Professor Emeritus	Active
4	Mohamed ElSaeed	Professor Emeritus	
5	Ahmed Saleh	Professor	Active
6	Tarek Arafa Hamed	Professor	Active
7	Mahmoud mekkawi	Professor	Active
8	Ahmed Bakr	Professor	Active
9	Essam About Mohamed Lathy	Professor	Active
10	Essam Ghamry	Professor	Active
11	Maha Abdelazeem	Associate Professor	Active
12	Ahmed Qutb	Associate Professor	
13	Emad Morees	Associate Professor	
14	Reem_Mostafa Mohammad Saad	Associate Professor	Active
15	Ahmed Khashaba	Associate Professor	
16	Ahmed Awad	Researcher	
17	Aalaa Mohamed Samy Ahmed	Researcher	Active
18	Alshymaa Mohammad Guda Mansour	Researcher Assistant (PhD. Student)	Active
19	Enas Muhammad	Researcher Assistant (PhD. Student)	Active
20	Mostafa Hegy	Researcher Assistant (PhD. Student)	Active
21	Mohamed Ibrahim	Researcher Assistant (PhD. Student)	Active
22	Hossam Hassan	Researcher Assistant (PhD. Student)	
23	Mohamed Mostafa Khalifa	Assistant Researcher (MSc. Student)	Active
24	Arwa Alkholy	Assistant Researcher (MSc. Student)	Active
25	Marwa Shaheen	Assistant Researcher (MSc. Student)	



7- Geomagnetism and Geoelectric Department

7-1 Geomagnetism Laboratory

👤 Name: Esmat Abd Elaal
👛 Position: Professor Emeritus
✉ Email: esmatabd@yahoo.com
☎ Phone: 01018879537



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

One STDF Project

* [Consultancy](#)

استشاري في جميع المشاريع العلمية والتعاقدية التي يقوم بها معمل المغناطيسية الأرضية.

* [Supervision of M.Sc. / Ph.D.](#)

PhD and MSc students

* [Books](#)

NA





* [Other](#)

NA



7- Geomagnetism and Geoelectric Department

7-1 Geomagnetism Laboratory

 Name: Ahmed Saleh
 Position: Professor
 Email: ahmedsmmus@yahoo.com
 Phone: 01004399263



* Scientific Publication (National& International)

Ahmed Saleh and Mireille Perrin (2019): PALEOMAGNETISM OF EARLY PALEOZOIC AFRICAN DIKE SWARMS FROM THE SOUTH EASTERN DESERT AND THE PALEO-PROTEROZOIC DATASET FROM EGYPT- Pure and Applied Geophysics (Submitted).

* Reviews of Papers (National& International)

I have Reviewed the following paper in journal of Pure and Applied Geophysics

- 1-Subsurface structural features of the Basement Complex and unravel the basin architecture in the southwestern main Karoo Basin, Western Cape Province of South Africa, using Magnetic and Gravity data analysis. (PAAG-D-19-00139)
- 2-Radiological Impact and Environmental Monitoring Of Gamma Radiations along the Public Beach Of Port Said, Egypt. (PAAG-D-19-00249)

* Conferences , Scientific Missions & Workshops

- 1- State of the arts of rock and paleomagnetic techniques., October 2019, Munich, Germany.
- 2- Geomatics Conference for Smart Cities and Sustainable Development in Arab Countries, March 2019, Cairo

* Projects

- 1- Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayum, Egypt (AST- Continuous-2019).
- 2- Exploration of Economic Minerals (Gold, Iron &, Copper) using Geophysical Techniques in South Eastern Desert, Egypt; Pilot areas: Eastern part of Aswan and Wadi Allaqi. (STDF- Continuous 2019)

* Consultancy

- 1- Geomagnetic Study to Explore THE SUBSURFACE faults for the New Aswan City, Aswan
- 2- Detailed magnetic survey on a study area in Kharga Oasis, Egypt

* Supervision of M.Sc. / Ph.D.

- 1- Mohamed Abd El Radee (Msc.thesis). Department of Geology, Faculty of Science, Assuit University. Title: Geophysical and Geological studies in the Baramiya Gold mine, Eastern desert, Egypt
- 2- Arwa Samir (Msc. thesis) Department of Geophysics, Faculty of Science, El Mansoura University Title: Evaluation of Ground water potentiality using Geophysical techniques: A case study from the Eastern desert, Egypt.

* Books

NA

* Other

- 1-Vice President of JSPS Alumni Association in Egypt (JSPSAAE) and sharing in all the activity.
- 2- Head of Geomagnetic Laboratory, NRIAG and responsible for all administrative work of the laboratory



7- Geomagnetism and Geoelectric Department

7-1 Geomagnetism Laboratory

👤 Name: Tarek Arafa Hamed
👔 Position: Professor
✉ Email: tarek.arafa@nriag.sci.eg
☎ Phone: 01001171277



* Scientific Publication (National & International)

Arafa-Hamed, T., Khalil, A., Nawawi, M., Hassan, H. & M.H. Arifin, Geomagnetic Phenomena Observed by a Temporal Station at Ulu-Slim, Malaysia during The Storm of March 27, 2017, Sains Malaysiana, Volume 48, Number 11, November 2019

* Reviews of Papers (National & International)

Arabian Journal of Geo-sciences 2 articles Geologica Carpathica 1 article

* Conferences, Scientific Missions & Workshops

International conference on space weather, African Geophysical Society, March, 2019, Cairo, Egypt International Conference on the geology of Africa, department of geology Asiat, November 2019, Asiat, Egypt Scientific mission to the university sains Malaysia, Penang, Malaysia

* Projects

Laboratory simulations of resistivity measurements, STDF, Co-PI Geophysical investigations at Moghra, STDF, Member Geothermal investigation at Farafra, STDF, Member

* Consultancy

Fault zones at the new Aswan city

* Supervision of M.Sc. / Ph.D.

Laboratory simulations of resistivity measurements, Khlood Elsis, Mansoura university The applicability of the telluric method for underground inspections, Khaled Aladl, Ainshams university

* Books

NA

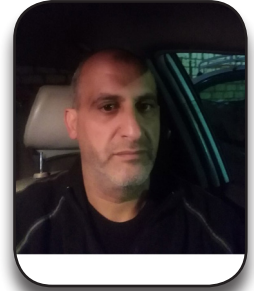
* Other

NA



7- Geomagnetism and Geoelectric Department 7-1 Geomagnetism Laboratory

👤 Name: Mahmoud Mekkawi
👔 Position: Professor
✉ Email: mekkawi05@yahoo.com
☎ Phone: 01000643221



* [Scientific Publication \(National& International\)](#)

2

* [Reviews of Papers \(National& International\)](#)

4

* [Conferences , Scientific Missions & Workshops](#)

4

* [Projects](#)

Std- Minerals exploration

* [Consultancy](#)

2

* [Supervision of M.Sc. / Ph.D.](#)

5

* [Books](#)

1

* [Other](#)

1



7- Geomagnetism and Geoelectric Department

7-1 Geomagnetism Laboratory

👤 Name: ahmed bakr
👔 Position: Professor
✉ Email: ahmedbkhalil5@gmail.com
☎ Phone: 0102644030



* Scientific Publication (National & International)

Awad Ahmed, Khashaba Ahmed, Adel Aal E., El-Shayeb H., Khalil Ahmed, El Hemaly Ibrahim, Mostafa Reem and Odah Hatem. Paleomagnetism of Bahariya Iron Ores and their Genetic Implications, North Western Desert, Egypt. NRIAG Journal of Astronomy and Geophysics, 2019.

* Reviews of Papers (National & International)

- 1- Reviewer for the paper of title "Spectral analysis and 2D modeling of high-resolution aeromagnetic data over Abuja and Environs, North- Central Nigeria. NRIAG Journal of Astronomy and Geophysics, 2019.
- 2- Reviewer for the paper of title "Detection and Removal of Noisy Land Magnetic Data Spikes". 2nd Conference of the Arabian Journal of Geosciences – 2nd Springer CAJG, 2019 .
- 3- Reviewer for the paper of title "Characterizing the subsurface structure using 3-D magnetotelluric inversion: A case study of Mrara basin, Algerian Sahara". 2nd Conference of the Arabian Journal of Geosciences – 2nd Springer CAJG, 2019 .
- 4- Reviewer for the paper of title "Contribution of Geophysical Surveys in the Study of a Viaduct Site in Tabellout, Jijel (Northeast Algeria)". 2nd Conference of the Arabian Journal of Geosciences – 2nd Springer CAJG, 2019.

* Conferences, Scientific Missions & Workshops

Scientific mission to Algerian Research Center in Astronomy, Astrophysics and Geophysics (CRAAG) from 10/1/2019 to 2/1/2019. مؤتمر الجيوفيزياء- كلية العلوم- جامعة الوادي الجديد 2019

* Projects

- 1- Determination of some ore mineral localities around El-Quaseir, Red sea-Egypt using modeling of the Geomagnetic and magnetotelluric induction anomaly sources.
- 2- Exploration o

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

- Integrated Potential Methods Interpretation for Delineating Subsurface Minerals at El Qussier-Safaga Road, Eastern Desert, Egypt. Candidate: Hend Ibrahim Abd- Maged Ali. Damanhur University .
- Geophysical studies for Hydrocarbon Reservoir Exploration at West Beni-Suef Area-Western Dessert-Egypt. Candidate: Waheed Hassan Mohamed, Faculty of Science, El Azhar University.

* Books

NA

* Other

تدريس مقرر المغناطيسية القديمة لطلاب الفرقة الثالثة و الرابعة كلية العلوم جامعة الاسكندرية عام ٢٠١٩-٢٠٢٠.
for the session entitled "Applications of data, methods and models in geosciences 2020" Co-Convener for EGU conference



7- Geomagnetism and Geoelectric Department 7-1 Geomagnetism Laboratory

👤 Name: Essam Aboud Mohamed Lathy
👛 Position: Professor
✉ Email: eaboud@nriag.sci.eg
☎ Phone: 966548039721



* [Scientific Publication \(National& International\)](#)

more than 30 papers

* [Reviews of Papers \(National& International\)](#)

more than 30-40 papers

* [Conferences , Scientific Missions & Workshops](#)

around 20

* [Projects](#)

around 10

* [Consultancy](#)

Yes

* [Supervision of M.Sc. / Ph.D.](#)

5

* [Books](#)

3

* [Other](#)

many reports



7- Geomagnetism and Geoelectric Department

7-1 Geomagnetism Laboratory

Name: Essam Ghamry
Position: Professor
Email: essamgh@yahoo.com
Phone: 01007185908



* Scientific Publication (National& International)

تم نشر بحث في مجلة دولية لها معامل تأثير = 1,7 (Fathy, A., E. Ghamry, K. Arora : ٢٠١٩), Mid and low-latitude ionospheric field-aligned currents derived from the Swarm satellite constellation and their variations with local time, longitude, and season, Advances in Space Research, <https://doi.org/10.1016/j.asr.2019.07.022>

* Reviews of Papers (National& International)

Two papers at international journals

* Conferences , Scientific Missions & Workshops

المشاركة في المؤتمرات الأتية

١- مؤتمر الجمعية الجيوفيزيقية المصرية ١٩ مارس ٢٠١٩ ندوة « ١٠٠ عام تحت سماء واحدة و ٥٠ عام في الفضاء » والمشاركة بالقاء محاضرة عامة ٢٩ يوليو ٢٠١٩ -٣ القاء محاضرة عامة بمسرح السلام تحت رعاية أكاديمية البحث العلمي والتكنولوجيا والتي نظمتها اللجنة الوطنية لعلوم الفلك ٢٧ مارس ٢٠١٩ -٤ حضور المؤتمر الدولي للموارد المائية والبيئة الجافة بالرياض - السعودية في الفترة من ٢٢ - ٢٤ يناير ٢٠١٩ -٥ القاء محاضرة عامة عن جيوفيزياء الفضاء ضمن الدورة التدريبية لمعمل المغناطيسية الأرضية ٢٠١٩ -٦ المشاركة في ندوة وكالة الفضاء المصرية والتي انعقدت بهيئة الاستشعار عن بعد وعلوم الفضاء في ٣٠ سبتمبر ٢٠١٩ -٧ حضور اجتماع لجنة ممثلي دول مبادرة الطريق والحزام والتي انعقدت ببكين - الصين يوليو ٢٠١٩

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

الإشراف على رسالة ماجستير بجامعة القاهرة

* Books

NA

* Other

NA



7- Geomagnetism and Geoelectric Department

7-1 Geomagnetism Laboratory

👤 Name: Maha Abdelazeem
👛 Position: Associate Professor
✉ Email: maazeem03@nriag.sci.eg
☎ Phone: 01008920277



* Scientific Publication (National & International)

• Gobashy, M. M., Abdelazeem, M., Abdrabou, M. and Khalil, M. H., 2019. Estimating Model Parameters from Self-Potential Anomaly of 2D Inclined Sheet using Whale Optimization Algorithm: Applications to Mineral Exploration and tracing shear zones: Natural Resources Research (NRR), 1-21. <https://doi.org/10.1007%2Fs11053-019-09526-0>

Abdelrahman, E. M., Abdelazeem, M. and Gobashy, M. M., 2019. Minimization approach to depth and shape determination of mineralized zones from potential field data using the Nelder-Mead simplex algorithm: Ore Geology Reviews, 114. <https://doi.org/10.1016/j.oregeorev.2019.103123>

Maha Abdelazeem, Mohamed Sobhy Fathy & Mohamed Mostafa Khalifa, 2019. Integrating magnetic and stratigraphic data to delineate the subsurface features in and around new Galala City, Northern Galala Plateau, Egypt: NRIAG Journal of Astronomy and Geophysics, 8 (1), 131-143. <https://doi.org/10.1080/20909977.2019.1627634>

Faisal Rehman, Maha Abdelazeem, Mohamed M. Gobashy, Hussein M. Harbi and Saif ur Rehman, 2019. Application of Magnetic Method to Define the Structural Setting Controlling the Contaminated Area of Wadi Bani Malik, East Jeddah, Saudi Arabia: Bollettino di Geofisica Teorica ed Applicata, 60 (1), 97-122. DOI 10.4430/bgta0269

* Reviews of Papers (National & International)

Study of generation and underground flow of acid mine drainage in waste rock pile in a uranium mine using electrical resistivity tomography (Pure & Applied Geophysics, PAAG-D-19-00180 & R1), April- October 2019. Utilizing the Geophysical and Hydrogeological Data for the Assessment of the Groundwater Occurrences in Gallaba Plain, Western Desert, Egypt. (Pure & Applied Geophysics, PAAG-D-18-00294R3), Jan. 2019.

* Conferences, Scientific Missions & Workshops

ICCEEE 2019 organized in cooperation between Egypt-Japan university of Science and Technology (Egypt), and Tokyo Institute of Technology (Japan). 16-18 July, Borg Elarab, Alexandria, Egypt.

* Projects

PI for a finished project entitled: "Implementation of the Geosciences to Construct the New Desert Urban, Site Management, and Distribute Resources; Pilot area: Moghra Oasis, Qattara Depression." ID: 15239 Financed by the STDF (Science & Tecnology Development Fund, Ministry of Higher Education and Scientific Research). Researcher A in a running project entitled: "Exploration of Economic Minerals (Gold, Iron &, Copper) using Geophysical Techniques in South Eastern Desert, Egypt, Pilot areas: Eastern part of Aswan and Wadi Allaqi." ID: 25288 Financed by the STDF (Science & Tecnology Development Fund, Ministry of Higher Education and Scientific Research). Researcher A in a running project entitled: "Exploring carbonatized ultramafic rocks (listvenite) for gold occurrences in the Qena-Safaga-Quseir area (Golden Triangle) and its impact on development plans, Eastern Desert, Egypt" ID: 26277 Financed by the STDF (Science & Tecnology Development Fund, Ministry of Higher Education and Scientific Research).

* Consultancy

Magnetic data interpretation and written report on New Capital city, 2019.



7- Geomagnetism and Geoelectric Department

7-1 Geomagnetism Laboratory

* Supervision of M.Sc. / Ph.D.

Mohamed Abderabou, Cairo University, Dept. of Geophysics (Nov., 2017) “Application of nonconventional techniques for potential field data inversion and interpretation.” -Mohamed Mostafa Abdelmohsen Khalifa, Tanta University, Geology Dept. (Dec. 2016) “Hydrogeological and geophysical studies on the shallow groundwater aquifer at New Galala City, Northern Galala Plateau, Egypt.” Ph.D.: -Maha Ahmed Mohamed Saleh, Tanta University, Geophysics Dept. (Dec., 2016) “Integrated Geophysical, Stratigraphical and Hydrogeological investigations on the Lower Miocene Aquifer Around Moghra Lake, North Western Desert, Egypt.” -Ahmed Mohamed Abdelhafeth Al Dabour, Alazhar University, Geology Dept. (2017) “Integrated Geophysical Interpretation for Assessment the Groundwater Aquifer at El – Moghra Area, North of Western Desert, Egypt”

* Books

NA

* Other

NA



7- Geomagnetism and Geoelectric Department

7-1 Geomagnetism Laboratory

👤 Name: Reem Mostafa Mohammad Saad

👛 Position: Researcher

✉ Email: reem_mostafa2002@yahoo.com

☎ Phone: 01148450029

* Scientific Publication (National & International)

1. Tareq Fahmy Abdallatif, Esmat Mohamed Abd-All, Mancheol Suh, Reem Mostafa Mohamad, and Ibrahim Aly El-Hemaly, (2005). Magnetic tracing at Abu Sir (land of forgotten pyramids), northern Egypt, *Geoarchaeology*, Vol. 2, No. 5, 483-503 (2005).
2. H. El-Shayeb, I.A. El-Hemaly, E. Abdel Aal, A. Saleh, A. Khashaba, H. Odah, A. Khashaba, H. Odah, R. Mostafa, (2013). Magnetization of three Nubia Sandstone formations from Central Western Desert of Egypt. *NRIAG Journal of Astronomy and Geophysics*, Vol. 2, pp. 77-87.
3. N. Wassif, A.M. Kafafy, E. M. Abdel Aal, A. Abdeldayem, H. Odah, R. Mostafa, (2013). Magnetic mineralogy of some ring complexes from the South Eastern Desert, Egypt. *Arabian Journal of Geosciences*, Vol. 7, pp. 3455-3466.
4. Khashaba, A., Soliman, S. A., Takla, E. M., Farouk, S., and Mostafa, R., (2016). Isolated Paleomagnetic Component and its Dating from the Malha Formation, South Western Sinai, Egypt. *J Geol Geophys*, Vol. 5, Issue 1, pp. 1-5.
5. R. Mostafa, A. Khashaba, I.A. El-Hemaly, E.M. Takla, E. Abdel Aal, H. Odah, (2016). 1st Paleomagnetic Investigation of Nubia Sandstone at Kalabsha, south Western Desert of Egypt. *NRIAG Journal of Astronomy and Geophysics*, Vol. 5, pp. 254-262.
6. H. Lotfy, M. Abu Heleika, R. Mostafa, D. Wahbah, (2017). Africa was still far south in the Late Ypresian: Paleomagnetic study on the Early Eocene 'Minia' Formation in central Egypt. *NRIAG Journal of Astronomy and Geophysics*, Vol. 6, pp. 336-348.
7. W. Hagag, R. Moustafa, and Z. Hamimi, (2018). Neoproterozoic Evolution and Najd-Related Transpressive Shear Deformations Along Nugrus Shear Zone, South Eastern Desert, Egypt (Implications from Field-Structural Data and AMS-Technique). *Geotectonics*, Vol. 52, No. 1, pp. 114-133.
8. Awad A., Mostafa R., El-Hemaly I., Abd El-All E., Khashaba A., and Abdeldayem A., (2019). Paleomagnetism and AMS of Early Cretaceous Rocks from Mishbeh Ring Complex, South Eastern Desert, Egypt. *J Geol Geophys*, Vol. 8, Issue 2, pp. 1-8.
9. A. Awad, A. Khashaba, E. Abdel Aal, E. El-Shayeb, A. Khalil, I. El-Hemaly and R. Mostafa, (2019). Paleomagnetism of Bahariya Iron Ores and their Genetic Implications, North Western Desert, Egypt. *NRIAG Journal of Astronomy and Geophysics*,

* Reviews of Papers (National & International)

Nothing

* Conferences, Scientific Missions & Workshops

- 1- The Egyptian Geophysical Society (EGS), 29th Annual Meeting, 17th March, 2014, Cairo, Egypt, (Oral). Title: Paleomagnetism of Early Cretaceous Rocks from Mishbeh Ring Complex, South Eastern Desert, Egypt.
- 2- Eighth International Symposium on Geophysics, ISG-8, Tanta, Egypt, Nov. 18-19, 2014, (poster). Title: Paleomagnetism of Early Cretaceous Rocks from Nigrub El Fogany and Nigrub El Tahtany Ring Complexes, South Eastern Desert, Egypt.
- 3- The Eighth International Conference on the Geology of Africa, Assiut University Egypt, Nov. 24-26, 2015, (Oral). Title: Africa was still far south in the Late Ypresian: Paleomagnetic study on the Early Eocene 'Minia' Formation in central Egypt.
- 4- Valencia GEOSTATS 2016, Universitat Politcnica De Valencia, Spain, Sep. 5-9, 2016, (poster). Title:



7- Geomagnetism and Geoelectric Department

7-1 Geomagnetism Laboratory

Paleomagnetism of Early Cretaceous Rocks from Nigrub El Fogany and Nigrub El Tahtany Ring Complexes, South Eastern Desert, Egypt.

5- The 12th International Geological Conference in Jeddah (IGC12 SGS), Saudi Arabia, Feb. 4-7, 2018, (Poster).

Title: Magnetic mineralogy of some ring complexes from the South Eastern Desert, Egypt.

6- Arab Conference on Astronomy and Geophysics (ACAG), National Research Institute of Astronomy and Geophysics (NRIAG), Helwan, Egypt, Oct. 6, 15, 2018, (Oral). Title: Paleomagnetism as a geochronologic gauge for deformational events: insights from Najd-related Nugrus Shear Zone, Northern Nubian Shield, Egypt.

- 1- دروة تدريبية في الحاسب الألي، لمدة ثلاثة أشهر، المركز العربي الافريقي، 1992.
- 2- دروة تدريبية في اللغة الانجليزية، المستوى الخامس، لمدة ثلاثة أشهر، المركز العربي الافريقي، 1992.
- 3- دروة تدريبية في المهارات الأساسية باستخدام Word- مركزاعداد القاده، 2000.
- 4- دروة تدريبية لمدة ثلاثة أشهر للتأهل للتقدم لامتحان اللغة الإنجليزية (TOFEL) بمقر الجامعة الأمريكية بالقاهرة خلال عام 2002 -5
- دروة تدريبية في الحاسب الألي -Visual Basic- مركزاعداد القاده، 2003.
- 6- دروة تدريبية في الحاسب الألي، المستوى الأول، كلية التجارة، جامعة طنطا، أغسطس 2005.
- 7- دروة تدريبية في الحاسب الألي، المستوى الثاني، كلية التجارة، جامعة طنطا، فبراير 2008.
- 8- دروة تدريبية في الانترنت، مركز الخدمات العامه للحاسبات والتكنولوجيا بجامعة طنطا، مايو 2008.
- 9- دورة ICDL بأكاديميه البحث العلمي عام 2017.
- 10- دروة تدريبية في مجال النشر العلمي، مركزتمية قدرات أعضاء هيئة التدريس والقيادات بجامعة حلوان، يوليو 2018.
- 11- المشاركة في المؤتمر العربي في الفلك والجيوفيزياء، حلوان، مصر. من 2000 الي 2018.
- 12- المشاركة في مؤتمرالجمعية الجيوفيزيائية المصرية من 2012 وحتى 2019.
- 13- المشاركة في المؤتمرالدولي للجيوفيزياء، كلية العلوم، جامعة طنطا، مصر. من 2006 وحتى 2018.
- 14- المشاركة في المؤتمرالدولي لجيولوجية أفريقيا، كلية العلوم، جامعة أسبوط، مصر.
- 15- المشاركة في مؤتمرجيوساتس الدولي بفرنسيا، أسبانيا، 2016.
- 16- المشاركة في المؤتمرالجيولوجي الدولي الثاني عشر، جده، المملكة العربية السعودية.
- 17- المشاركة في جمعية البتروفيزياء التطبيقية المصرية 2009.
- 18- المشاركة في ندوة اليوم الواحد بعنوان «التقيب عن الأثار بالطرق الجيوفيزيائية 2015»، بالمعهد القومي للبحوث الفلكية والجيوفيزيقية .
- 19- المشاركة في ندوة اليوم الواحد بعنوان «دورالجيوفيزياء في تنمية الصناعات واقامة المشروعات الاستراتيجية 2017»، بالمعهد القومي للبحوث الفلكية والجيوفيزيقية.

* Projects

- 1- المشاركة في العديد من الرحلات الحقلية الخاصة بمشروعات بحثية لمناطق متعددة بجمهورية مصر العربية منها اجراء قياسات أثرية بمنطقة سفارة وأبوصير بالجيزة - تجميع عينات صخرية من منطقة البحر الاحمر حتي منطقة شلاتين جنوبا ومناطق مختلفة بوادي النيل ومنطقه مصانع الحديدوالصلب بحلوان ومنطقة العاشر منرمضان.
- 2- المشاركة في مشروع تنفيذ علوم الأرض لإنشاء المناطق الحضرية الصحراوية الجديدة ، وإدارة الموقع وتوزيع الموارد: واحة مغرة ، منخفض القطارة.
- 3- المشاركة في مشروع تقييم وتحديد المخاطر الزلزالية في مناطق سيناء وامتدادات مدينة القاهرة ومنطقة قناة السويس - مصر .

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

- 1- رساله الدكتوراه الخاصه بالسيد / أحمد عوض عبد الرحمن عوض (أشرف داخلي) (كلية العلوم - جامعة المنوفية) باحث مساعد - معمل المغناطيسية الأرضية - قسم المغناطيسية والكهربية الأرضية - المعهد القومي للبحوث الفلكية والجيوفيزيقية) عنوان الرسالة : «المغناطيسية القديمه لخام الحديد بالوحدات البحرية وأنعكاساتها على نشأته، شمال الصحراء الغربية، مصر.» «Paleomagnetism of Bahariya Iron Ore and Implications for the Ore Genesis, North Western Desert, Egypt». رسائل علمية جاري الإشراف عليها 1- رسالة دكتوراه خاصة بالانس / الشيماء محمد جوده منصور (باحث مساعد - معمل المغناطيسية الأرضية - قسم المغناطيسية والكهربية الأرضية - المعهد القومي للبحوث الفلكية والجيوفيزيقية) عنوان الرسالة : « استخدام وسائل المغناطيسية والجيوكيمياء لتقييم التلوث البيئي بمنطقة أبو زعبل - جنوب شرق الدلتا- مصر» "Implementation of Magnetism and Geochemistry Tools on the Environmental Pollution, Assessment of the Abu-Zaabal Area, South-East Delta, Egypt".

* Books

NA

* Other

NA



7- Geomagnetism and Geoelectric Department 7-1 Geomagnetism Laboratory

👤 Name: Aalaa Mohamed Samy Ahmed Mohamed
👛 Position: Researcher
✉ Email: aalaa.nriag@gmail.com
☎ Phone: 01010034397



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

March, 2019. I participated in the 4th African Geophysical Society Conference (AGS) on space weather, Cairo, Egypt.

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

I got my promotion to become a doctor (researcher). I attended the course of “skills development of the scientific members” and I passed the exam. I attended IELTS course.



7- Geomagnetism and Geoelectric Department 7-1 Geomagnetism Laboratory

👤 Name: Alshymaa Mohammad Guda Mansour
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: shimaaguda@yahoo.com
☎ Phone:01096095217



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Scientific mission to the Department of Geosciences, Tübingen University, Germany during the period from 14 March 2019 to 20 June 2019. Attended a workshop under the title of “How to prepare and write a competitive proposal” at the Egyptian Academy of Scientific Research and Technology.

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Ph. D. Student at Geology department, Cairo University. Passed and completed eight doctorate courses.



7- Geomagnetism and Geoelectric Department 7-1 Geomagnetism Laboratory

👤 Name: Enas Muhammad
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: enasmuhammad1@gmail.com
☎ Phone: 01090751883



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



7- Geomagnetism and Geoelectric Department 7-1 Geomagnetism Laboratory

👤 Name: Mostafa Hegy
👛 Position: Researcher Assistant (PhD. Student)
✉ Email: motsafahegy7@gmail.com
☎ Phone: 01005009253



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Short course on Ground water management and culture Heritage held out UNESCO and NRIAG during 14-18 July 2019

* [Projects](#)

Filed work at Al Fustat (Ancient Cairo)

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Training Training for university students, Helwan University Mansoura University Al Azhar university Banha university



7- Geomagnetism and Geoelectric Department 7-1 Geomagnetism Laboratory

👤 Name: Mohamed Ibrahim Mohamed
👛 Position: Researcher Assistant (PhD. Student)
✉ Email: m.ibr2@yahoo.com
☎ Phone: 01125313217



* [Scientific Publication \(National& International\)](#)

Applications of Shallow Seismic Refraction and Surface Waves (MASW) for Inferring the Geotechnical Characteristics at Cairo-Bilbeis Area, East Nile Delta Region, Egypt

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



7- Geomagnetism and Geoelectric Department

7-1 Geomagnetism Laboratory

👤 Name: Mohamed Mostafa Abdelmohsen Khalifa
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: moh.moustafa92@gmail.com
☎ Phone: 01065666201



* **Scientific Publication (National& International)**

one publication on 2019(Integrating magnetic and stratigraphic data to delineate the subsurface features in and around new Galala City, Northern Galala Plateau, Egypt)

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

NA in 2019

* **Projects**

Implementation Of The Geosciences to Construct The New Desert Urban, Site Management And Distribute Resources; Pilot Area: Moghra Oasis, Qattare Depression.

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

in other field works (Aswan, El-Kharga and in Farafra Oasis)



7- Geomagnetism and Geoelectric Department 7-1 Geomagnetism Laboratory

👤 Name: Arwa Alkholy
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: arwa.alkholy@nriag.sci.eg
☎ Phone:01024828394



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

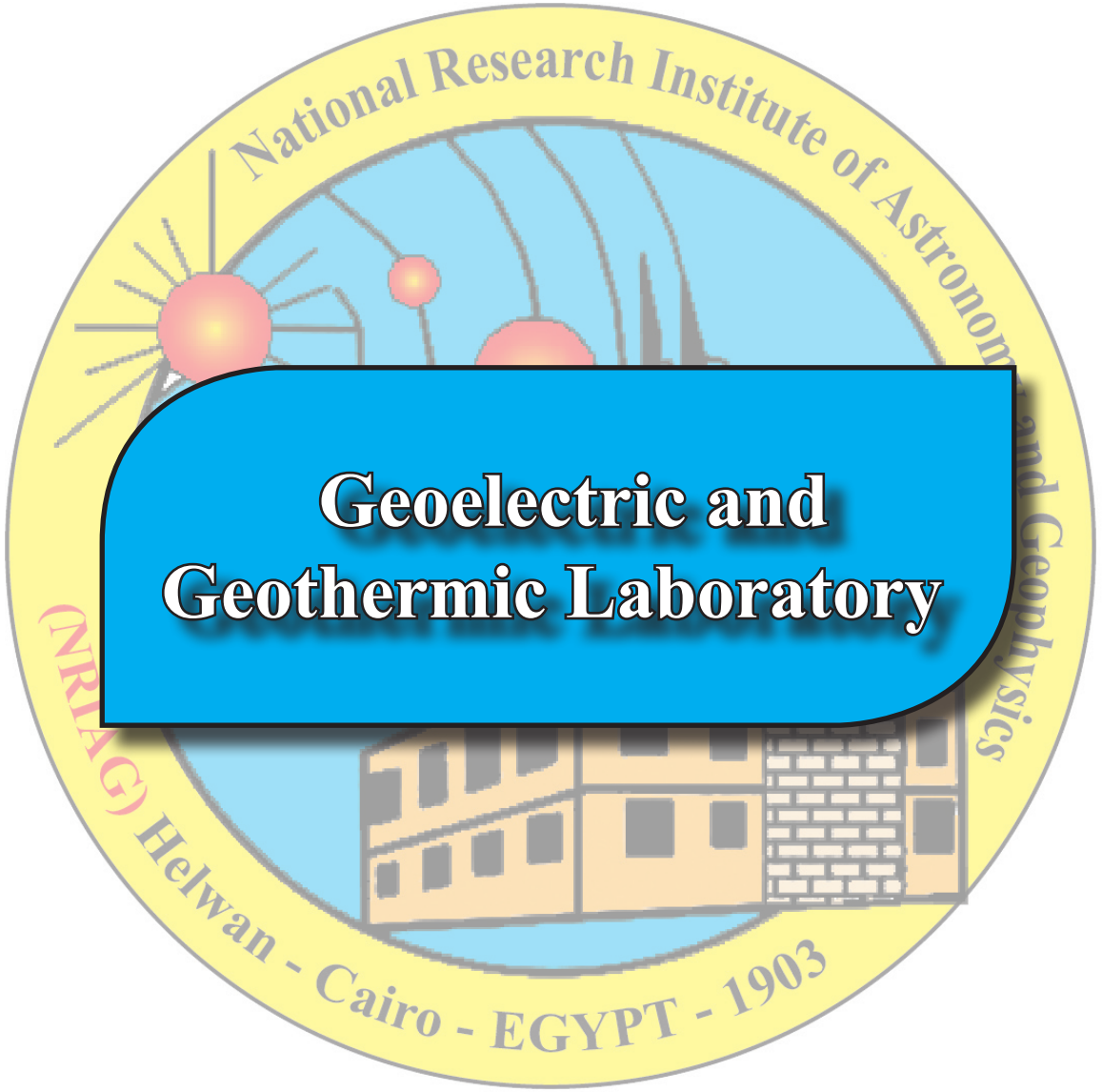
NA

* [Books](#)

NA

* [Other](#)

Register for a themed Master's degree (evaluation of groundwater potentiality using a geophysical techniques:a case study from the Eastern desert; Egypt)



**Goelectric and
Geothermic Laboratory**



7- Geomagnetism and Geoelectric Department

7-2 Geoelectric and Geothermic Laboratory

No.	Name	Position	Activity
1	Abbas Ali	Professor Head of lab	Active
2	Salah Shereef Osman	Professor Emeritus	
3	Said Ragab	Professor Emeritus	Active
4	Sultan Awad Sultan Araffa	Professor Emeritus	Active
5	Magdy Ahmed Atya	Professor	Active
6	Usama Saad Massoud	Professor	Active
7	Hany salah abdel azeem	Professor	Active
8	Mamdouh Mohamed Soliman	Professor	
9	Ayman Ismail Taha	Associate Professor	
10	Mohamed Abdel Zaher	Associate Professor	Active
11	Khamis Kabeel Ali Mansour	Associate Professor	Active
12	Ashraf khozym Salama	Researcher	Active
13	Shereen Mohamed Ebrahim	Researcher	Active
14	Abdellatif Mohammed Abdellatif	Researcher	Active
15	Hany Mohammed Shaaban	Researcher	
16	Samah Elbarbary	Researcher	Active
17	Wael Ragab Gaweish	Researcher Assistant (PhD. Student)	Active
18	Diaa ElSayed Hamed	Researcher Assistant (PhD. Student)	
19	Heba Mohamed Elkosiri	Researcher Assistant (PhD. Student)	Active
20	Mona Mahmoud Abu shady	Researcher Assistant (PhD. Student)	Active
21	Noha Ismail	Researcher Assistant (PhD. Student)	
22	Hamada Salama	Researcher Assistant (PhD. Student)	
23	Doaa Nabil Senousy	Researcher Assistant (PhD. Student)	
24	Ahmed Mahmoud Mohamed	Assistant Researcher (MSc. Student)	Active



7- Geomagnetism and Geoelectric Department 7-2 Geoelectric and Geothermic Laboratory

👤 Name: Abbas Ali
👔 Position: Professor
✉ Email: dr.abbas.ali@gmail.com
☎ Phone: 01113309595



* Scientific Publication (National& International)

NA

* Reviews of Papers (National& International)

Three Papers (one International and Two national)

* Conferences , Scientific Missions & Workshops

1 Conference 2 workshops 1 Scientific mission

* Projects

1 project as PI

* Consultancy

7 Consultancy work during this year

* Supervision of M.Sc. / Ph.D.

1 Master 1 PhD

* Books

NA

* Other

NA



7- Geomagnetism and Geoelectric Department

7-2 Geoelectric and Geothermic Laboratory

👤 Name: Said Ragab
👔 Position: Professor Emeritus
✉ Email: saidragab2001@yahoo.com
☎ Phone: 01006532551



* Scientific Publication (National& International)

تم نشر بحث بالأشتراك مع اخرين يناير ٢٠١٩ فى :- International Conference on Water Resources and Arid Environments (ICWRAE) ٢٤-٢٢ January ٢٠١٩ . The paper will be held in Riyadh, Saudi Arabia from (٨ Environments (ICWRAE) .will also be published in the digital (online) and print Conference Proceedings

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

which will be held in (٨ International Conference on Water Resources and Arid Environments (ICWRAE) ٢٤-٢٢ January ٢٠١٩ Riyadh, Saudi Arabia from
- الأشتراك فى بعض المؤتمرات المحلية (طنطا - اسيوط - الجمعية الجيوفيزيقية). - القيام بمهمه علمية الى دولة ماليزيا خلال شهر مارس ٢٠١٩ .

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

مشرف على بعض طلبة الماجستير والدكتوراه

* Books

NA





* Other

- رئيس مجلس إدارة المتحف بالمعهد.
- الأشراف على الرحلات التى تقوم بها المدارس والجامعات الحكومية والخاصة للمعهد سواء " علمية او تثقيفية وكذا الزيارات التى تنظم لزيارة متحف المعهد.
- الأشتراك فى تنظيم المعرض الذى اقيم فى متحف المعهد بالأشتراك مع المركز الث



7- Geomagnetism and Geoelectric Department

7-2 Geoelectric and Geothermic Laboratory

 Name: Sultan Awad Sultan Araffa
 Position: Professor Emeritus
 Email: sultan_awad@nriag.sci.eg
 Phone: 01090605189



* Scientific Publication (National & International)

- 1-Sultan Awad Sultan Araffa, Shokry A. Soliman, Ahmed El Khafif, Abdellatif Younis, T.F. Shazley, 2019: Environmental investigation using geophysical data at East Sadat City, Egypt, Egypt Journal of Petroleum 28, 117–125
- 2-Sultan Awad Sultan Araffa, Hassan Saleh Sabet & Mohammed Hussien Mahmoud, 2019: Tectonics mapping using geophysical data around Nuweiba area, Gulf of Aqaba, Sinai, Egypt, NRIAG JOURNAL OF ASTRONOMY AND GEOPHYSICS, VOL. 8, NO. 1, 73–83.
- 3-Mohamed A. M. E., El-Hussain I., Deif A., Araffa S. A. S., Mansour Kh. and Al-Rawas G., 2019: Integrated ground penetrating radar, electrical resistivity tomography and multichannel analysis of surface waves for detecting near-surface caverns at Duqm area, Sultanate of Oman, Near Surface Geophysics, doi: 10.1002/nsg.12054, Volume 17, Issue 4, Pages 379-401
- 4-Sultan A.S. Araffa, Mahmoud I. Mohamadin, Hassan Saleh Sabet & Mustafa S. Takey, 2019, Geophysical interpretation for groundwater exploration around Hurghada area, Egypt, NRIAG Journal of Astronomy and Geophysics, VOL. 8, NO. 1, 171–179.

* Reviews of Papers (National & International)

1. Ref.: Ms. No. AJGS-D-19-00224R1 Integration of seismic and potential field data analysis for deducing the source structures in Ras Amer Oil Field, Gulf of Suez, Egypt Arabian Journal of Geosciences, 2019
2. «SP, DC-Resistivity, DC-TDIP and TDEM soundings in high saline coastal aquifer, Journal of African Earth Sciences, 2019.
- 3-Ref.: Ms. No. AJGS-D-19-01041 An integration of magnetic, gravity and seismic data in evaluating the Algoa Basin in the Eastern Cape Province of South Africa for stratigraphic and structural geodynamics Arabian Journal of Geosciences, 2019.
4. ENGE-D-19-01223 Interpretation of gravity and magnetic data on the hot dry rocks (HDR) delineation in Gonghe town, China Environmental Earth Sciences, 2019.
- 5.Ref: APPGEO_2019_569 Title: Mapping sea water intrusion in coastal area using time-domain electromagnetic method with different loop dimensions Journal: Journal of Applied Geophysics, 2019.
6. -Ref: JAES-D-19-00142R2 Title: Deep Cavity Systems Detection in Al-Ain City, UAE, based on Gravity Surveys Inversion, Journal of Asian Earth Sciences, 2019.
7. ENGE-D-18-01855R1 Cooperative inversion of MT and seismic data on Shurab diapirs in Central Iran Environmental Earth Sciences, 2019.
- 8-TJAG-2019-0111 of title SEQUOIA RESERVOIR EVALUATION THROUGH CONVENTIONAL PETROPHYSICAL ANALYSIS IN EASTERN MEDITERRANEAN, NILE DELTA, for NRIAG Journal of Astronomy and Geophysics, 2019.

* Conferences, Scientific Missions & Workshops

-The 8th International Conference on Water Resources and Arid Environments (ICWRAE 8 with poster presentation for paper of title Tracing the groundwater aquifer employing geoelectric data analysis, north of Sokhna, Cairo road, Egypt, which held in in Ri

* Projects

- Co-PI for STDF project of ID no of title : Explration of economic minerals (Gold, Iron and Copper) using geophysical techniques in southeastern Desert, Egypt, Pilot areas, eastern part of Aswan and Wadi Al Allaqi.



7- Geomagnetism and Geoelectric Department

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* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

- 1- أحمد عبد العال سيد احمد Mokattam area, Cairo, Egypt
القاهرة ٢٠١٩ ماجستير
- 2- محمود عبد الحي, Egypt using geophysical, geological and geochemical data
المنصورة ٢٠١٩ ماجستير
- 3- حامد جمعة حامد اسماعيل Wadi Al Arish, Central Sinai, Egypt
الازهر ٢٠١٩ دكتوراة
- 4- ياسمين محمد محمود مصطفى البلتاجي northwestern part of Sinai, Egypt
المنصورة ٢٠١٩ ماجستير
- 5- محمد عز الدين Geophysical and geological studies at Wadi Allaqi area, East Aswan, Egypt
القاهرة ٢٠١٩ دكتوراة

* Books

Chapter in book for Geology of Egypt of title, History of the Geological Research in Egypt, 2019 Integrated Studies to Elucidate the Subsurface Structures and Groundwater at Moghra Oasis, Northwestern Desert, Egypt: Trends and Applications in Science and Engineering, 2019

* Other

NA



7- Geomagnetism and Geoelectric Department 7-2 Geoelectric and Geothermic Laboratory

👤 Name: Magdy Ahmed Atya
👔 Position: Professor
✉ Email: Magdy@nriag.sci.eg
☎ Phone: 01000240157



* Scientific Publication (National& International)

both

* Reviews of Papers (National& International)

both

* Conferences , Scientific Missions & Workshops

yes

* Projects

3

* Consultancy

yes

* Supervision of M.Sc. / Ph.D.

both

* Books

yes

* Other

NA



7- Geomagnetism and Geoelectric Department

7-2 Geoelectric and Geothermic Laboratory

Name: Usama Saad Abdelhamid Massoud
Position: Professor
Email: usaad2007@yahoo.com
Phone: 01007553062



* Scientific Publication (National & International)

1-The mineral exploration of the iron ore deposits in the eastern Aswan Egypt, by using geophysical techniques. Submitted to Arabian Journal of Geosciences. Mahmoud M. Mekki, Ahmed I. Qutb, Ayman T. Ismail, Mohamed A. Al Deep, Sultan A. Sultan, Usama Massoud and Abbas M. Abbas

2-Structural lineament domain analysis and drainage pattern mapping to infer groundwater flow paths in Wadi Gerafy area, Naqab desert, East Central Sinai, Egypt. Submitted to NRIAG Journal of Astronomy and Geophysics. Mohamed Mebed, Hassan El-Shayeb, Usama Massoud, Hamdy El-Desoukey, Hamada Salama

* Reviews of Papers (National & International)

1-Geophysical investigation for groundwater development and post foundation studies. A case study of Phase 1 and Phase 2, federal University Oye Ekiti. NRIAG Journal of Astronomy and Geophysics.

2-Principles of Electrical Resistivity Techniques. Springer Book Proposal Form. Editor: Smith Ahram Chae

* Conferences, Scientific Missions & Workshops

1- EGS 2019 (Attendance): Egyptian Geophysical Society. The 34th Annual Meeting -March 2019.

2-UNESCO Work shop(Attendance +Presentation): Short course on groundwater management and cultural heritages. UNESCO Office-Cairo, EGYPT and NRIAG -Helwan. July 2019. Presentation Title: Electromagnetic Methods: Principles, Applications and Case Studies

3- IUGG19-3754 (Abstract): Title: The Mineral Exploration of the Gold-Copper ore Deposits in the South Eastern Desert, Egypt.

4- EGU General Assembly - EGU2019-2565, 2019 (Abstract): Title: Integrated Geophysical Prospecting of the Copper-Nickel Ore Deposits at Abu Swayel area, South Eastern Desert, Egypt.

5-28 Schmucker-Weidelt Colloquium for Electromagnetic Depth Research 23-27 September 2019, Haltern Title: Groundwater Assessment of the area between Belbies and Tenth of Ramadan Cities using geophysical tools.

* Projects

1-STDF: ITALY – EGYPT CALL FOR JOINT EXCHANGE VISIT Title: Investigation of groundwater occurrences and the potential sources for groundwater pollution by joint application of geophysical and hydrochemical approaches: A case study of some urban cities West of Ismailia, Egypt. (PI)

2-STDF Project Virtual Reality and lowering of subsurface water level at Hawara Archaeological site (Member).

* Consultancy

1-Investigation of Gold Deposits at Um Garayat area, South Eastern Desert, Egypt by Transient Electromagnetic (TEM) Survey.

2-Hydrogeological investigation at El-Fustat area, Old Cairo-Egypt.

3-Geophysical investigations for detection and lowering of subsurface water level at Hawara archaeological site..

* Supervision of M.Sc. / Ph.D.

1-Ground water Assessment in the area between 10th of Ramadan and Belbies cities, using geophysical techniques for Developmental Purposes. Ph. D. Thesis (Fac. Sci. Mansoura University).

2-Geophysical, remote sensing and geographic information system studies for mapping the surface and subsurface geological structure controls on the aquifers at Wadi Gerafy area, East Central Sinai, Egypt. Ph. D.



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Thesis (Fac. Sci. Menofiya University).

* Books

1-The mineral exploration of the iron ore deposits in the eastern Aswan- Egypt, by using geophysical techniques. Book Chapter In: Petrogenesis and Exploration of the Earth's Interior. Advances in Science, Technology & Innovation IEREK Interdisciplinary Series for Sustainable Development. Editors: Domenico M. Doronzo, Emanuela Schingaro, John S. Armstrong-Altrin, Basem Zoheir

* Other

- 1-Papers in progress a- Delineation of impervious clayey layer around the waste water ponds at the 10th of Ramadan City, Egypt by 2D ERT/IP survey. Usama Massoud, Hany Mesbah, Abbas M. Abbas, El Said Ragab, Diaa E. Hamed, Wael Ragab, Ibrahim Darweesh b- Investigation of Groundwater Occurrences at Abu Zenima Area-Sinai by DC Resistivity and Transient Electromagnetic Methods. Usama Massoud, Aiman Taha, Abbas M. Abbas, Hany Shaaban, M. Abdel Sabour, Ahmed Mahmoud
- 2- Vice president of the Quality Assurance Committee of NRIAG.
- 3- Vice president of LOC for Arab conference on Astronomy and Geophysics -ACAG-7
- 4-Training course in well logging and video recording with certificates.



7- Geomagnetism and Geoelectric Department 7-2 Geoelectric and Geothermic Laboratory

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👛 Position: Professor
✉ Email: Hmesbah2000@yahoo.com
☎ Phone: 01117799736 - 01229868953



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

2 papers 1 phone.d

* [Conferences , Scientific Missions & Workshops](#)

1

* [Projects](#)

1

* [Consultancy](#)

2

* [Supervision of M.Sc. / Ph.D.](#)

1

* [Books](#)

NA

* [Other](#)

NA



7- Geomagnetism and Geoelectric Department 7-2 Geoelectric and Geothermic Laboratory

👤 Name: Mohamed Abdel Zaher
👔 Position: Associate Professor
✉ Email: moh_zaher@yahoo.com
☎ Phone: 01159299090



* Scientific Publication (National& International)

- Haby S. Mohamed and Mohamed Abdel Zaher, Subsurface Structural Features of the Basement Complex and Geothermal Resources using Aeromagnetic Data in the Bahariya Oasis, Western Desert, Egypt, Journal of Pure and Applied Geophysics, 2019, <https://doi.org>

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

Mohamed Abdel Zaher, Exploration of Geothermal Resources in Farafra Oasis, Western Desert, Egypt, Proceedings: 44th Workshop on Geothermal Reservoir Engineering, Stanford University, Stanford, California, February 11-13, 2019. Mohamed Abdel Zaher, Geothermal as Major Source of Renewable Energy in Egypt, IEEE Conference on Power Electronics and Renewable Energy 2019, Movenpick Resort Aswan, Egypt, 23-25 October 2019.

* Projects

- PI of Project Title: "Assessment of Geothermal Resources in Farafra Oasis, Egypt" Funded by Academy of Egypt. (Project ID: 1351).

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

- Supervisor on Doctor Thesis in Geophysics of PhD student Heba Atef at Ain Shams University with title: Exploration of geothermal resources at south of Gulf of Suez, Egypt. (In progress)

* Books

NA

* Other

NA



7- Geomagnetism and Geoelectric Department

7-2 Geoelectric and Geothermic Laboratory

Name: Khamis Kabeel Ali Mansour
Position: Associate Professor
Email: kham123@hotmail.com
Phone: 01158880773



* Scientific Publication (National & International)

- 1- Mohamed AbdelZaher, Hakim Saibib, Khamis Mansour, Ahmed Khalil, Mamdouh Soliman (2018). Geothermal exploration using airborne gravity and magnetic data at Siwa Oasis, Western Desert, Egypt. *Renewable and Sustainable Energy Reviews*, Vol., 82, Part 3, February, Pages 3824-3832, 2018.
- 2- AME. Mohamed, I. EL-Hussain, A. Deif, S.A.S. Araffa, K. Mansour, G. AL-Rawas (2019). Integrated GPR, ERT and MASW for detecting near-surface caverns at Duqm area, Sultanate of Oman. *Near surface Geophysics*, Vol., 17, Part 4, August, Pages 379-401, 2019.
- 3- Abdel-Monem S. Mohamed, Magdy Atya, Nadia AbouAly, Karrar El Farragawy, Esraa E. Hegazy, Mohamed Saleh, Khamis Mansour and Asmaa A. El-Mahdi (2020). Mapping the Archaeological Relics of Catacombs at Northeast Saqqara Using GPR Data, Egypt. *NRIAG Journal of Astronomy and Geophysics*. (Under review).

* Reviews of Papers (National & International)

NRIAG Journal of Astronomy and Geophysics.
Exploration Geophysics journal.
Journal of Applied Geophysics.

* Conferences, Scientific Missions & Workshops

- 1- Scientific mission from 20, May 2018 to 15, October 2018 in the Saudi Geological Survey (SGS), Funded by SGS.
- 2- The Egyptian Geophysical Society (EGS) (2019) International Conference and the 34th Annual Meeting, Egypt.

* Projects

Geothermal resources of Farafra Oasis, Egypt.
Archeological prospection of Golden Mummies Valley in Baharia Oasis, Egypt.

* Consultancy

Yes

* Supervision of M.Sc. / Ph.D.

- 1- PhD thesis, Mss. Mona Abo Shady, Assistant researcher, NRIAG. Ain Shams University "Integrated Geophysical Study for Site Investigation at Kattamiya Area, Cairo-Suez Road, Egypt"
- 2- Ms.c thesis, Mss. Noha Ismail, Researcher assistant, NRIAG. Ain Shams University "Environmental Investigation at Saqqara area by using advanced Geophysical techniques and Remote Sensing Application"

* Books

NA

* Other

- 1- Teaching the course of archeological prospection in Alexandria University 2018.
- 2- Teaching the course of Ground Penetrating Radar in Alexandria University 2018.
- 3- Teaching the course of archeological prospection in Alexandria University 2019.



7- Geomagnetism and Geoelectric Department

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👤 Name: Ashraf khozym Salama
👛 Position: Researcher
✉ Email: ashraf.khozym@nriag.sci.eg
📞 Phone: 01006799787



* Scientific Publication (National& International)

DETERMINATION OF SEISMIC SITE CLASS AND POTENTIAL GEOLOGICAL HAZARDS USING MULTI-CHANNEL ANALYSIS OF SURFACE WAVES (MASW) AT THE INDUSTRIAL CITY OF ICADII, ABU DHABI, UAE. JOURNAL OF APPLIED GEOPHYSICS

* Reviews of Papers (National& International)

Review several reports related to the field of geophysics and its application in the field of civil engineering in many national and regional legislations

* Conferences , Scientific Missions & Workshops

GEOMEAST 2019 INTERNATIONAL CONGRESS AND EXHIBITION, November 10~14, 2019

* Projects

1. General Technical Support Services for the New Administrative Capital.Egypt
2. Consultancy Services for Carrying Out Feasibility Study, Detailed. Engineering Design & Preparation of Tender Documents for Pemba Airport. Zanzibar, Tanzania
3. Proposal of geophysical investigation of Hawarah archeological area.
4. Geophysical proposal to search for gold ore in northern and eastern Sudan.
5. Geophysical proposal for detection the subsurface Geohazard layers, central park, New Administrative Capital. Egypt.
6. Consultancy Services for Technical Study and Design of Groundwater Control System at Misr Al Gidida / Al Zeytoun Old Metro Development Area.
7. Rehabilitation and Reinstatement of the Abu-Tartour - Qena - Safaga Railway Track.

* Consultancy

Consultant of geophysical investigation for civil engineering projects.

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

3D GPR INVESTIGATION TO IMAGE GEOHAZARD AT NEW-GIZA HEIGHT-EGYPT. NON-DESTRUCTIVE PILOT TESTING OF REINFORCED CONCRETE FOUNDATION USING GROUND PENETRATING RADAR TECHNIQUES, JABAL OMAR, KSA. Lecturer and expert in Using geophysical methods for prospecting with Grand Circle LLC Company Participation in development of the performance of the Institute's consulting center



7- Geomagnetism and Geoelectric Department 7-2 Geoelectric and Geothermic Laboratory

👤 Name: Shereen Mohamed Ebrahim
👛 Position: Researcher
✉ Email: sherinmmohamed2001@yahoo.com
☎ Phone: 01000240287



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Egyptian Geophysical Society International conference & the 34 rd Annual meeting program.

* [Projects](#)

1. "Member of project "Assessment of geothermal resources in Farafra Oasis .
2. Member of project "Conservation, Analysis and Virtual Reconstruction of Archaeological Site of Hawara .
(Pyramid and Labyrnth (El Fayoum « نمذجة الواقع الافتراضي للحفاظ علي التراث - هرم هواره وبيت التيه (القيوم- مصر)

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

Mona Mahmoud Abo Shady , "Integrated Geophysical Study for Site Investigation at the Area East of New Cairo, and North of Cairo-Sukhna Road, Egypt" Ph.D in Geophysics

* [Books](#)

NA

* [Other](#)

- 1.Design and fabricate GPR antenna
- 2.Give matlab courses.
3. Maintenance of laboratory devices



7- Geomagnetism and Geoelectric Department

7-2 Geoelectric and Geothermic Laboratory

👤 Name: Abdellatif Mohammed Abdellatif Younis
👔 Position: Researcher
✉ Email: abdellatifyounis@nriag.sci.eg
📞 Phone: 01002060418



* Scientific Publication (National & International)

1. Delineation of shallow structures in the vicinity of Ulu Slim hot spring using seismic refraction and MASW techniques. NRIAG JOURNAL OF ASTRONOMY AND GEOPHYSICS 2020, VOL. 9, NO. 1, 7–15 G C Anukwu, A. E. Khalil, Mohd Nawawi & Abdellatif M. Younis <https://doi.org/10.1080/20909977.2019.170280>
2. Assessment groundwater occurrences using VES/TEM techniques at North Galala plateau, NW Gulf of Suez, Egypt- 2019 190 (2019) 103613- African Earth Science- ISI- Abdellatif Younis; Osman M Osman; Amin E Khalil; Mohd Nawawi; Mamdouh Soliman; Elhamy A Tarabees.
3. Environmental investigation using geophysical data at East Sadat City, Egypt- 2019 PP. 117–125 Vol 8 - Egyptian Journal of Petroleum- Scopus - Sultan Araffa; Shokry Soliman; Ahmed El Khaffif; Abdellatif Younis; T. Shazley
4. Audio-Magnetotelluric surveys to constrain the origin of a network of narrow synclines in Eocene limestone, Western Desert, Egypt- 2017 PP. 168- 175 Vol 136 -Journal of African Earth Sciences - ISI – Elhamy Tarabees; Barbara Tewksbury; Charlotte Mehrrens; Abdellatif Younis
5. Integrated geophysical application to investigate groundwater potentiality of the shallow Nubian aquifer at northern Kharga, Western Desert, Egypt)- 2016 pp.186-197 Vol 5- NRIAG Journal of Astronomy and Geophysics- Abdellatif Younis, Mamdouh Soliman, Salah Moussa, Usama Massoud, Sami Abd ElNabi, Magdy Attia.
6. AMT and CSAMT methods for hydrocarbon exploration at Nile Delta, Egypt. Arabian Journal of Geoscience (2015) 8:1965–1975- ISI- Abdellatif Younis, Gad El-Qady, Mohamed Abd Alla, Mohamed AbdelZaher, Amin Khalil, Mohamed Al Ibiary & Alexander saraev)
7. A coastal aquifer study using magnetotelluric and gravity methods in Abo Zenema, Egypt. Pure Appl. Geophys. 169 (2012)- ISI- Mohamed Abdelzaher, Jun Nishijima, Hakim Saibi, Gad El-Qady, Usama Massoud, Mamdouh Soliman, Abdellatif Younis and Sachio Ehara)
8. Interpretation of Time Domain Electromagnetic data at the Nile Delta of Egypt. Journal of applied Geophysics, 10th volume, No.1, 2011. (M. G. Al Ibiary, M.A. Abdalla, G. El-Qady, A.E. Khalil and A. Younis.)

* Reviews of Papers (National & International)

Many Papers in National and International Journals like (NRIAG- African Earth Science- Near Surface Geophysics- Arabian Journal of Geoscience-.... etc.)

* Conferences, Scientific Missions & Workshops

Award postdoctoral scholarship in University Sains Malaysia (USM) (6th October 2018 to 5th October 2019)

* Projects

- 1- Assessment of geothermal resources in Farafra Oasis (ID# 1351)
- 2- Geothermal assessment aquifers in ulu slim, Perak, Malaysia, with the contribution of USM university 2018-2019.
- 3- Geophysical Investigations for Geothermal Aquifers in Malaysia.

* Consultancy

Many consultations in Egypt, Malaysia, Oman, and Saudi Arab Countries.

* Supervision of M.Sc. / Ph.D.





One Ph. D.

* Other

Attend the safety workshop of OSHA 2019 in University Sains Malaysia (USM)



7- Geomagnetism and Geoelectric Department 7-2 Geoelectric and Geothermic Laboratory

 Name: Samah Elbarbary
 Position: Researcher
 Email: samah_elbarbary@nriag.sci.eg
 Phone: 01015504337



* Scientific Publication (National& International)

Elbarbary, S., Abdel Zaher, M., Mesbah, H., El-Shahat, A., Embaby, A., (2018) Curie point depth, heat flow and geothermal gradient maps of Egypt deduced from aeromagnetic data. Renewable & Sustainable Energy Reviews, Vol. 91, p: 620-629. Abdel Zaher, M., Elbarbary, S., Sultan, S., El-Qady, G., Ismail, A., Takla, E. (2018) Crustal thermal structure of the Farafra oasis, Egypt, based on airborne potential field data. Geothermics Vol. 75, p: 220–234. Abdel Zaher, M., Elbarbary, S., El-Shahat, A., Mesbah, H., Embaby, A. (2018) Geothermal resources in Egypt integrated with GIS-based analysis. Journal of Volcanology and Geothermal Research, Vol. 365, p: 1-12. Abou Samra, R. and Elbarbary, S. (2018) The use of remote sensing indices for detecting environmental changes:a case study of North Sinai, Egypt. Spatial Information Research, <https://doi.org/10.1007/s41324-018-0211-1>

* Reviews of Papers (National& International)

Reviewed two papers in NRIAG journal

* Conferences , Scientific Missions & Workshops

NA

* Projects

member in «Assessment of geothermal resources in Farafra Oasis (ID# 1351)» Project

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

Two papers in Press

1- Flash flood hazard mapping based on GIS and rainfall data: A case study of Wadi Bisha, Kingdom of Saudi Arabia.

2- Hydrochemical and isotopic characteristics of thermal groundwater at Farafra Oasis, Western Desert, Egypt. I finished my Ph.D. in March 2019.



7- Geomagnetism and Geoelectric Department 7-2 Geoelectric and Geothermic Laboratory

👤 Name: Wael Ragab Gaweish
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: wael_ragab2007@yahoo.com
☎ Phone: 79858723880



* Scientific Publication (National& International)

Two published papers in Russian Journals

- 1) Magnetic data interpretation to determine the depth of basement rocks and structural elements of Mandisha village, El-Bahariya Oasis, Western Desert, Egypt. In Russian Journal (Известия Уральского государственного горного университета. 2019. Вып. 2(54). С. 7-19). Website for the paper : <https://www.iuggu.ru/en/2-19-1>
- 2) Hydrochemical Analyses for Assessment of groundwater aquifer in El- Bahariya Oasis, Western Desert, Egypt. In Russian Journal «Prospect of mineral resources». Website for the paper - in section HYDROGEOLOGY & GEOLOGICAL ENGINEERING: <http://rion-journal.com/en/2019/10/29/10-2019/>

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

- Two participates in international conference (XIV International Scientific and Practical Conference - New Ideas in Earth Science). 2-5 April 2019. At Russian State Geological Prospecting University (RSGPU), Moscow, Russia.
- 1) ИНТЕРПРЕТАЦИОННАЯ ОБРАБОТКА ДАННЫХ МАГНИТОРАЗВЕДКИ С ИСПОЛЬЗОВАНИЕМ КОМПЬЮТЕРНОЙ ТЕХНОЛОГИИ «КОСКАД 3D» (ОКРЕСТНОСТИ ДЕРЕВНИ МАНДИШАВ ОАЗИСЕ БАХАРИЯ В ЗАПАДНОЙ ПУСТЫНЕ ЕГИПТА)
 - 2) ИНТЕРПРЕТАЦИЯ ДАННЫХ ВЕРТИКАЛЬНОГО ЭЛЕКТРИЧЕСКОГО ЗОНДИРОВАНИЯ (ВЭЗ) ДЛЯ ПОИСКОВ МАЛОГЛУБИННЫХ ПОДЗЕМНЫХ ВОДОНОСНЫХ ГОРИЗОНТОВ В РАЙОНЕ МАНДИША, В ОАЗИСЕ ЭЛЬ- БАХАРИЯ, ЗАПАДНАЯ ПУСТЫНЯ, ЕГИПЕТ

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

NA



7- Geomagnetism and Geoelectric Department 7-2 Geoelectric and Geothermic Laboratory

👤 Name: Heba Mohamed Mohamed Ibrahim Elkosiri
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: boba_87_2008@yahoo.com
☎ Phone: 393711645877



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Workshop on sedimentology of oceans and contents at Trieste University

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

- 1- Attending courses of geophysical methods (Prof. Emanuel Forte), potential methods (Prof. Carla Brietenbirg), geophysical prospecting (peof. Michele Pipan)at Trieste University
- 2- course of scientific communication at ICTP



7- Geomagnetism and Geoelectric Department 7-2 Geoelectric and Geothermic Laboratory

👤 Name: Mona Mahmoud Abu shady
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: mona002002@hotmail.com
☎ Phone: 01001835364



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Egyptian geophysical society international conferences &the 34th annual meeting program. 8th annual ASU scientific conference. Workshop on Introduction in PCR .

* [Projects](#)

Member of project “ assessment of geothermal resources in Farafra Oasis.

* [Consultancy](#)

Performed and participated in many consultations

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Attend the lectures in NRIAG. Involved in New Capital City fieldwork.



7- Geomagnetism and Geoelectric Department 7-2 Geoelectric and Geothermic Laboratory

👤 Name: Ahmed Mahmoud Mohamed
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: ahmed.mahmoud@nriag.sci.eg
📞 Phone: 01096671737



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NRIAG conference 2018 & Geoelectric workshop at NARSS especially Syscal Pro

* [Projects](#)

Member at Hawara project under supervision of Prof.Dr Abbas

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Attend a lot of field works such as Abu Zniema, El Galala, Wadi Hof, Hawara, Aswan, New capital projects, Hawara again, etc..



Geodynamic Department



**Crustal Movements
Laboratory**



8- Geodynamic Department

8-1 Crustal Movements Laboratory

No	Name	Position	Activity
1	Kamal Mohamed Othman Sakr	Professor and Head of the Department	Active
2	Ashraf El Kutb Mousa	Professor and Head of the Lab.	Active
3	Ali Abdel-Azeim Tealb	Professor Emeritus	
4	Salah Mohamed Mahmoud	Professor Emeritus	Active
5	Hassan Ahmed Khalil	Professor Emeritus	
6	Abdel-Monem Sayed Mohamed	Professor Emeritus	Active
7	Ali Rayan Abdel-Aziz	Professor Emeritus	Active
8	Ali Mohamed Mohamed Radwan	Associate Professor	Active
9	Nadia Mohamed Hassan AbouAly	Associate Professor	Active
10	Mohamed Rashwan	Researcher	Active
11	Mohamed Saleh Ahmed	Researcher	Active
12	Mahmoud Gomaa Ebrahim	Researcher	On Leave
13	Ahmed Gomaa Marie Mohamed	Researcher Assistant (PhD. Student)	PhD. Scholarship & Active
14	Ahmed Saad Zaki	Researcher Assistant (PhD. Student)	PhD. Scholarship
15	Mohamed Darrag	Researcher Assistant (PhD. Student)	PhD. Scholarship & Active
16	Esraa Emam	Researcher Assistant (PhD. Student)	Active
17	Abdel Hamid Mohmed Abdel Rahman	Researcher Assistant (PhD. Student)	Active
18	Hanan Helmi Mohamed Genidi	Researcher Assistant (PhD. Student)	Active
19	Mohamed Alsaïd Mahrous	Researcher Assistant (PhD. Student)	Active
20	Ahmed Elhadi Sherif	Researcher Assistant (PhD. Student)	Active
21	Alshimaa Yousry	Assistant Researcher (MSc. Student)	Active
22	Mahmoud Etman	Assistant Researcher (MSc. Student)	Active



8- Geodynamic Department

8-1 Crustal Movements Laboratory

Name: Kamal Mohamed Osman Sakr
Position: Professor
Email: sakr_kamal@yahoo.com
Phone: 01006712572



* Scientific Publication (National & International)

NA

* Reviews of Papers (National & International)

NRIAG Journal of Geophysics

* Conferences, Scientific Missions & Workshops

-34th Annual Egyptian Geophysical Society International Conference. - The first scientific conference for young earth researchers, 2-3 February 2019- Sohage University - Egypt. - The role of earthquakes in the development of blasting of the cement indu

* Projects

- 1-Evaluation of the vertical and horizontal stability of the High Dam region and its relation to the bed rocks, Aswan (Member)
- 2-Potential of 3d laser point cloud data usage for the tourism industry at Saqqara archaeological sites (Member)
- 3-Monitoring of recent crustal movements at the northwest part of Nasser Lake Aswan, Egypt (Member)
- 4-Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations, and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayum, Egypt (Member)
- 5-Evaluation the stability of some petroleum tanks at El-Alameen area (Member)

* Consultancy

Performed and participated in many consultations

* Supervision of M.Sc. / Ph.D.

Master Degree:- Mahmoud Etman - Faculty of Science - El- Azhar University

* Books

Article in Geology of Egypt Book, 2019

* Other

Field Work:-

- 1.Preparing to install two permanent GPS stations (Port Said and Menia) after getting all required approvals.
2. Installation and Fixing Qena GPS Permanent Station at Qena University.
- 3.Maintenance and data Acquisitions a lot of Permanent GPS Stations such as kharga, Assiut, Mesalat (Fayoum), Suez, Edfena, Damietta, Port Said and others.
- 4.Exploration of the Old Cairo Network established around Dahshour area after the occurrence of the 1992 earthquake directly and attempting to reactivate it again.

الأنشطة الإدارية :

- 1- اجتماع مجلس إدارة المعهد: حضور جميع اجتماعات مجلس إدارة المعهد المنعقدة خلال عام 2019.
- 2- اجتماعات مجلس إدارة مركز الزلازل بأسوان حضور جميع اجتماعات مجلس إدارة مركز الزلازل الإقليمي بأسوان بالتعاون مع الهيئة العامة للسد العالي وخزان أسوان وإعداد التقارير العلمية السنوية لإنجازات المركز من أنشطة وقياسات حقلية ونتائج.
- 3- اجتماعات لجنة الإيفاد بالمعهد:
- 4- مجالس القسم: التنسيق والتحضير للجلسات الخاصة بمجالس قسم ديناميكية الأرض خلال عام 2019.
- 5- مجالس معمل تحركات القشرة الأرضية: حضور الجلسات الخاصة بمعمل تحركات القشرة الأرضية خلال عام 2019.



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- 6- رئاسة لجان المعهد: رئيس لجنة المشتريات الخارجية بالمعهد.
- 7- عضوية اللجان بالمعهد:
- أ- عضو في لجنة الأعلام وحضور الاجتماعات الخاصة بها وعمل لقاءات مع وسائل الأعلام والصحافة المصرية .
- ب- عضو في لجنة الأجهزة بالمعهد .
- ج- عضو في مجلس إدارة ومكتب الاستشارات الهندسية بالمعهد.
- 8- حضور جميع اجتماعات لجنة الإيفاد المنعقدة بالمعهد خلال عام 2019.
- علاقات خارجية:
- أ- حضور الاجتماعات التنسيقية مع ممثلين من وزارة البيئة وإعداد مذكرات في مجالات التعاون بالمعهد.
- ب- حضور اجتماع مع وفد من معهد الدراسات العليا بجامعة عين شمس للتنسيق في مجالات التعاون بين المعهدين.
- ج- استقبال الوفود الأجنبية التي تزور المعهد والقسم وحضور المحاضرات والاجتماعات التي تتم معهم.
- 9- الانتداب: قام بتدريس مادة الجيولوجيا الهندسية في كلية الهندسة جامعة بدر خلال عام 2019.
- 10- المؤتمرات: حضور المؤتمر القومي للبحث العلمي في القاهرة عام 2019 بحضور سيادة رئيس الجمهورية.
- 11- إعداد التقارير العلمية: شارك وأشرف علي إعداد التقارير العلمية الخاصة بالمشروعات والاستشارات الخاصة بالقسم ومنها علي سبيل المثال (إنجازات مركز الزلازل بأسوان).
- 12- المنشورات والمخطوطات العلمية : شارك وأشرف علي إعداد المخطوطات والبوسترات الخاصة بالقسم والمعامل .
- 13- التخطيط في اختيار المواقع الحقلية:
- أ- أشرف وشارك في التخطيط وإنشاء محطات الرصد الدائم حول بحيرة ناصر .
- ب- أشرف وشارك في التخطيط وإنشاء محطات الرصد الدائم في السويس وقنا- المنيا



8- Geodynamic Department

8-1 Crustal Movements Laboratory

Name: Ashraf ElKutb Mousa
Position: Professor
Email: ashrafmousa07@yahoo.com
Phone: 01061087313



* Scientific Publication (National& International)

- 1-R. E. Sleem, M. A. Abdelfatah, A. E. Mousa, G. S. El-Fiky , Performance Analysis of the Permanent and a Regional GNSS Networks in Egypt , International Journal of Scientific & Engineering Research Volume 10, Issue 9, September-2019, ISSN 2229-55.
- 2-A.S. Ragab, Ashraf E. Mousa, Z. Awad and M.M. Abdel Wahab, Comparison of Precipitable Water Vapor from GPS and WRF model: A Case Study for Two different Egyptian Sites, Current Science International, Volume : 08 | Issue : 02| April- June| 2019, ISSN: 2077-4435.
- 3-Elhaty, N.M., Abdelfatah, M.A., Mousa, A.E., El-Fiky, G.S., GNSS Meteorology in Egypt: Modeling Weighted Mean Temperature from Radiosonde data, Alexandria Engineering Journal 58(2), pp. 443-450

* Reviews of Papers (National& International)

- 1-One paper for NRIAG Journal
- 2-Two papers for a conference in Turkey
- 3-Research project for Tabouk university
- 4-Graduation project for surveying department, Banha university, Shoubra 5-3 M.Sc. Thesis , Zagazig University
- 6- 3 Ph.D. thesis, Zagazik University

* Conferences , Scientific Missions & Workshops

- 1-Geoid Training workshop, NRIAG, Helwan, Cairo, January 2019
- 2-SAR one day Training, NRIAG, Helwan, Cairo, January 2019
- 3-Future of education in Egypt meeting, Egyptian- Canadian society, Ain Shams University, January 2019
- 4-EGS conference, Maser El- Gededah, Cairo, Egypt. March, 2019
- 5-Space Weather conf., African Geophysical Union, Cairo, feb., 2019
- 6-180 years of Ain Shams university , faculty of Engineering workshop, oct., 2019
- 7-ETS Tunnel conference, Luxur, Dec., 2019.

* Projects

- 1-Crustal Movement Studies for the high Dam Safety.
- 2-Geodetic and Geophysical investigation for Sakkara Arch. Area.
- 3-Geodetic and Geophysical investigation for Lahon Arch. Area.
- 4-High Dam Spill way monitoring using Geodetic Techniques

* Consultancy

N/A

* Supervision of M.Sc. / Ph.D.

- 1-M.Sc. Supervision 1- Elshaima'a Yosri, Change detection in SAR image, 2016 – till now, Faculty of science, Monofya Univ.
- 2-Amro A. Tealib, Ionospheric and magnetic field of the earth Using Big Data, 2016 – till now. Faculty of Eng., Mansoura Univ.
- 3-Ragab El Hady, GNSS performance analysis, 2017 – till now. . Faculty of Eng., Zagazig Univ.
- 4-Ahmed Nabil, Tropospheric delay mapping function for Egypt, 2016 till now. Faculty of Eng., Zagazig Univ.
- 5-Amsa'a El-mahdi, Virtual reality using 3D laser scanner, 2018 – till now. Faculty of science, Mansoura Univ.
- 6-Asma'a Ragab, PWV from GNSS, 2017 – till now. Faculty of science, Cairo Univ. 2-. Ph. D. Supervision



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7-Nesreen Elhaty, Modeling PWV over Egypt, 2016 till now. . Faculty of Eng., Zagazig Univ.

8-Mohamad Zahran, Modelling climate change using GNSS occultations, 2017- till now. Faculty of Eng., Mansoura Univ.

9-Hala Eldasouky, Modeling WV in the atmosphere using GNSS Occultation, 2017 – till now. Helwan Univ.

10-Reham Nagiub, ppp for atmospheric research, 2019 – till now. Zagazig Univ.

11-Ibrahim Fouad, GNSS occultation and wet delay, 2018 – till now, Zagazig University

* Books

N/A

* Other

1-Maintenance of Instrumentation for Geodesy data center.

2-Setup of Permanent GNSS stations

3-Training of the Research assistance for Geodynamic department.

4 Membership of ECSM (Egyptian committee on Surveying and Mapping

5-Supervision of NRIAG construction

6-Head of NRIAG IP policy committee

7-Member of NRIAG TICO project

8-Member of NRIAG Exhibition committee Member of EGS society.



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Salah Mahmoud
📁 Position: Professor Emeritus
✉ Email: salahmnriag@gmail.com
📞 Phone: 01006548875



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

5 national and 3 International

* [Conferences , Scientific Missions & Workshops](#)

Yes

* [Projects](#)

PI of «Italy-Egypt Tectonics AND Eustasy Monitoring: I. E. TANDEM» Submitted to STDF

* [Consultancy](#)

Shared with RCM lab and STDF

* [Supervision of M.Sc. / Ph.D.](#)

Yes

* [Books](#)

NA

* [Other](#)

NA



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Abdel-Monem Sayed Mohamed

👔 Position: Professor

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✉ abdelmonem@nriag.sci.eg

☎ Phone: 01147200199



* Scientific Publication (National& International)

NA

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

34th Annual Egyptian Geophysical Society International Conference. 21days scientific mission at Texplor, Potsdam, Germany.

* Projects

1-Evaluation of the vertical and horizontal stability of the High Dam region and its relation to the bed rocks, Aswan (PI)

2-Potential of 3d laser point cloud data usage for the tourism industry at Saqqara archaeological sites (PI)

3-Monitoring of recent crustal movements at the northwest part of Nasser Lake Aswan, Egypt (Member)

4-Conservation, Analysis and Virtual Reconstruction of Archaeological Site of Hawara Pyramid and Labyrinth (El Fayoum) (Member)

5-Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations, and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayoum, Egypt (Member)

6-Evaluation the stability of some petroleum tanks at El-Alameen area (Member)

* Consultancy

1-Mobile laser scanning of Salah Edin Citadel, Cairo

2-Documentation for El-Kadi House using Trimble Terrestrial Laser Scanner

3-Geophysical Evaluation of the High Dam Emergency Flood area

* Supervision of M.Sc. / Ph.D.

Master Degree:-

1-Saleh Alaa Ebrahiem - Faculty of Science - Benha University

2-Mahmoud Etman - Faculty of Science - El-Azhar University Ph.D Degree:- Esraa Emam Abdelsalam- Faculty of Science- Aswan University

* Books

NA

* Other

- Involvement in most tenders for buying the equipment required for the Lab. and the Department.





- Attendance the Lab. And Department meetings.

- Field trips in different area (Aswan - Saqqara- Hawara)



8- Geodynamic Department

8-1 Crustal Movements Laboratory

 Name: Ali Rayan Abdel-Aziz
 Position: Professor Emeritus
 Email: ali_alrayan@yahoo.com
 Phone: 01228637332



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

- 34th Annual Egyptian Geophysical Society International Conference -The role of earthquakes in the development of blasting of the cement industry workshop - 12 March 2019- NRIAG- Egypt.- Monitoring of satellites and space debris workshop - 14 March 2

* [Projects](#)

- 1-Potential of 3d laser point cloud data usage for the tourism industry at Saqqara archaeological sites, funded by Scientific Research Academy (Member)
- 2-Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayum, Egypt, funded by Scientific Research Academy (Member).
- 3-Evaluation the stability of some petroleum tanks at El-Alameen area (Member)
- 4-Monitoring of recent crustal movements at the northwest part of Aswan Lake Aswan, Egypt (Member)
- 5-Evaluation of Nile Delta Sinking Hypothesis Using the Global Positioning System (GPS), Tide Gauge and Satellite Altimetry and Gravity Techniques (Member)

* [Consultancy](#)

Performed and participated in many consultations

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Helpful Person in: - Organizing and processing many field trips to collect GPS data from all geodetic stations distributed throughout Egypt. - Establishing permanent monitoring stations in Tanta, Damanhour, Edfina, Suez, Port Said, Hurghada, Qena and Aswan. - Preparation for the establishment of permanent monitoring stations in Ras Ghareb, Aburmad and East Owainat in southern Egypt. - Involvement in most tenders for buying the equipment required for the Lab. and the Department. - Attendance the Lab. And Department meetings. - Help in all department issues



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Ali Mohamed Mohamed Radwan
👔 Position: Associate Professor
✉ Email: amradwaneg@yahoo.com
📞 Phone: 01002435748



* Scientific Publication (National & International)

NA

* Reviews of Papers (National & International)

Reviewing the paper entitled (Zenith Tropospheric Delay Corrections of GNSS Satellite Signals) NRIAG Journal of Astronomy and Geophysics, 2019.

* Conferences, Scientific Missions & Workshops

- Space & Earth Geodetic Analysis Laboratory (SEGAL), University of Beira Interior, Portugal March 2019 (Two weeks)
- The Leadership Challenge Workshop on 1-2 September 2019 at Academy of Scientific Research.

* Projects

- Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayum, Egypt funded by Scientific Research Ac

* Consultancy

Sharing the Department Staff for some consultancies

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

Papers under review:-

There are three papers under review:-

- Evaluation of Nile Delta-Mediterranean Sea conjunction using GPS, satellite-based gravity and altimetry datasets.
- Annual sea level variations in the Red Sea observed with GNSS - Current State of Crustal Deformation and Seismic Activity from Seismic and Geodetic Data in Aswan Region, Egypt.






Field work and Maintenance:-

- one members of the field work at Aqaba GPS Network
- Install a permanent GPS stations (Port Said) after getting all required approvals.
- Exploration the Abo-Ramad Area to install a permanent station there.
- Maintenance and data acquisition a lot of permanent GPS stations such as Katamyia, Mesalat (Fayum), Suez, Edfena, Damietta, Hurghada and others.
- Maintenance and configuration most crustal Movements devices such as GPS 4000SSI and 4000SSE, GPS R8 and GPS NetR5&9.
- Training Assistant Researchers, Research Assistants and technicians of the Lab. (Equipment and software).
- Training the undergraduate students from different Egyptian universities and institutes.
- Involvement in most tenders for buying the equipment required for the Lab. and the Department.
- Attendance the Lab. And Department meetings.



8- Geodynamic Department

8-1 Crustal Movements Laboratory

 Name: Nadia Mohamed Hassan AbouAly
 Position: Associate Professor
 Email: dr.nadia_aboaly_2010@yahoo.com/
 n.aboualy@nriag.sci.eg
 Phone: 01000241082



* [Scientific Publication \(National & International\)](#)

NA

* [Reviews of Papers \(National & International\)](#)

NA

* [Conferences, Scientific Missions & Workshops](#)

-34th Annual Egyptian Geophysical Society International Conference
-7 days scientific mission at GFZ, Potsdam, Germany - 21 days scientific mission at Texplor, Potsdam, Germany.
- Computation of Geoid Heights over Egypt from different Satellite and ground

* [Projects](#)

1-Evaluation of the vertical and horizontal stability of the High Dam region and its relation to the bed rocks, Aswan (Member)
2-Potential of 3d laser point cloud data usage for the tourism industry at Saqqara archaeological sites (Member)
3-Monitoring of recent crustal movements at the northwest part of Nasser Lake Aswan, Egypt (Member)
4-Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations, and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayum, Egypt (Member)
5-Evaluation the stability of some petroleum tanks at El-Alameen area (Member)

* [Consultancy](#)

Performed and participated in many consultations

* [Supervision of M.Sc. / Ph.D.](#)

Ph.D Degree:- Esraa Emam Abdelsalam- Faculty of Science- Aswan University

* [Books](#)

NA

* [Other](#)





Papers under Publication:

-Evaluation of Precipitable Water Vapor Variation for East Mediterranean Using GNSS-Mapping of the Archaeological Relics of Catacombs at Northeast Saqqara Using GPR Data, Egypt
-Registration-Based Change Detection for SAR Images
- Geodynamic behavior of the Eastern Mediterranean Sea Region
- Mobile Laser Scanning for Cultural Heritage Documentation-Land deformation monitoring by GNSS in the Nile Delta and the measurements analysis Members:
- Member of the Board of Directors of NRIAG Research club members -Member of WIPO Committee
- Member of NRIAG Committee for selection of new Researcher's Assistants 2019
- Member of NRIAG conference 2019 Committee- Member of ACAG7 conference Committee
- Member of ASC2020 conference Committee
- Member of the Library Committee Helpful Person in:
- Help in collecting of NRIAG Year Book 2018
-Help in Preparing and writing Aswan Report for crustal deformations part.
-Learning Assistant Researchers and Research Assistants on how to process the GPS data and Plot the Results.
-Involvement in most tenders for buying the equipment required for the Lab. and the Department.
- Attendance the Lab. And Department meetings. - Help in all department issues



8- Geodynamic Department

8-1 Crustal Movements Laboratory

 Name: Mohamed Rashwan
 Position: Researcher
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 Phone: 01000247380



* **Scientific Publication (National& International)**

2 International Scientific publication under Reviewing

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

Assiut conferences about Geology of Africa from 19 nov. to 21 Nov., scientific Mission to Space & Earth Geodetic Analysis Laboratory (SEGAL), Institute Geophysical Infant D. Luiz (IDL), University of Beira Interior (UBI), in Covila, Portugal.

* **Projects**

participate in most of the existing projects through the department Geodynamics

* **Consultancy**

participate in all of Consultancies through the department of Geodynamics

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

I have done many field missions for many sites in order to establish and maintain most geodetic stations in these sites as well as the collection of geodetic data which are Kharga - Qena - Assiut - Damanhour - Borg El Arab - Damietta - Mansoura - Edfina - Aswan at the rate of every two months to follow these stations, I participate in students training from different universities by lectures and field work, I also participate in most of the councils of the laboratory and the department as well as the presence of scientific seminars in the institute



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Mohamed Saleh Ahmed Mohamed
👛 Position: Researcher
✉ Email: mohamed_sama26@yahoo.com
☎ Phone: 01013775482



* **Scientific Publication (National& International)**

Saleh, M. & Becker, M. New estimation of Nile Delta subsidence rates from InSAR and GPS analysis. Environ Earth Sci (2019) 78: 6. <https://doi.org/10.1007/s12665-018-8001-6>.

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

Active deformation in Tunisia from continuous GPS data, CAJG, 25-28 November 2019, Sousse, Tunisia.

* **Projects**

NA

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

1 PhD student

* **Books**

Seismicity, Seismotectonics and Neotectonics in Egypt in the book “The Geology of Egypt”

* **Other**

NA



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Ahmed Gomaa
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: eng.a.g.zayed@gmail.com
☎ Phone: 01002280242



* **Scientific Publication (National& International)**

IEEE 61st International Midwest Symposium on Circuits and Systems (MWSCAS), Windsor, Canada. 22nd Meeting on Image Recognition and Understanding, MIRU2019, July, Osaka, Japan.

* **Reviews of Papers (National& International)**

Reviewer in IET Intelligent Transport Systems journal. Reviewer in the IEEE Access journal.

* **Conferences , Scientific Missions & Workshops**

IEEE 61st International Midwest Symposium on Circuits and Systems (MWSCAS), Windsor, Canada. 22nd Meeting on Image Recognition and Understanding, MIRU2019, July, Osaka, Japan.

* **Projects**

NA

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

Special research student at Kyushu University as part of Ph.D. work, under MOHE scholarship program. Research interests: Remote sensing Object detection and tracking Image processing and computer vision Wireless sensor networks



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Mohamed Ali Abdelfattah Mohamed Darrag
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: darrag@nriag.sci.eg
☎ Phone: 01020347819



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

African Geophysical Society Conference on Space Weather, March, 2019.

* [Projects](#)

- 1- مشروع دراسة تحركات القشرة الأرضية في أسوان.
- 2- مشروع دراسة أثار منطقة سقارة باستخدام الماسح الليزري.
- 3- مشروع دراسة استقرار منطقة و هرم هواره باستخدام الماسح الليزري.
- 4- استخدام الماسح الليزري في التوثيق الأثرى ثلاثي الأبعاد ببيت القاضي.

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA





* [Other](#)

- 1- العديد من الاعمال الحقلية الجيوديسيه بأهرامات الجيزه و هرم هواره و شبه جزيرة سيناء و إنشاء محطة جيوديسيه بجامعة طنطا.
- 2- تدريب مساعدين البحوث والفنيين على كيفية استخدام الأجهزة المساحية المختلفه.
- 3- تدريب طلبة الجامعات المختلفه في مجال الجيوديسيا والمساحة.
- 4- عمل لوحات تعريفية بالمعمل والقسم.



8- Geodynamic Department

8-1 Crustal Movements Laboratory

 Name: Esraa Emam Abd El Salam Hassan
 Position: Researcher Assistant (PhD. Student)
 Email: esraa_emam99@yahoo.com
 Phone: 01061524235



* Scientific Publication (National& International)

- 1-Abdel-Monem S. Mohamed, Nadia AbouAly, Karrar El Farragawy, Esraa E. Hegazyand Abdel Hamid Elbashbeshy., 2019: Mobile Laser Scanning for Cultural Heritage Documentation. NRIAG Journal of Astronomy and Geophysics (Under review).
- 2-Abdel-Monem S. Mohamed, Nadia AbouAly, Esraa E. Hegazy, Matthias Beckerand Mohamed Saleh., 2019: Geodynamic behavior of the Eastern Mediterranean Sea Region.NRIAG Journal of Astronomy and Geophysics (Under review).
- 3-Abdel-Monem S. Mohamed, Magdy Attya, Asmaa El Mahdi, Nadia AbouAly, Karrar El Fergawy and Esraa E. Hegazy., 2019: Archaeological Prospecting Using GPR at Southern Catacomb in Saqqara, Egypt.NRIAG Journal of Astronomy and Geophysics (Under review).

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

Online Webinar on Field to finish in record time with the new Leica Cyclone 3DR Software, 21 October,2019

* Projects

- 1-Evaluation of the vertical and horizontal stability of the High Dam region and its relation to the bed rocks, Aswan.
- 2-Potential of 3d laser point cloud data usage for the tourism industry at Saqqara archaeological sites.
- 3-Monitoring of recent crustal movements at the northwest part of Nasser Lake Aswan, Egypt.
- 4-Evaluation the stability of some petroleum tanks at El-Alameen area.

* Consultancy

- 1-Mobile laser scanning of Salah Edin Citadel, Cairo
- 2-Documentation for El-Kadi House using Trimble Terrestrial Laser Scanner

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

- 1-TRAINING course for laser scanning applications.
- 2-Member in the team responsible for geodesy data center observing, archiving and processing data of the Egyptian permanent GPS network (EPGN).
- 3-Member in Laser Scanning Unit.



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Abdel-Hamid Mohamed Abdel-Rhman
👔 Position: Researcher Assistant (PhD. Student)
✉ Email: geoabdelhamid1991@gmail.com
📞 Phone: 01012914440



* Scientific Publication (National & International)

Elbsheshy, and Abdelmonem, (2018), Crustal Deformation Modelling for the High Dam Area, as Deduced from the GPS and Levelling Data. Egyptian Journal of Applied Geophysics (ISSN 1687.1251), PP 85(18): 112-119.

* Reviews of Papers (National & International)

N/A

* Conferences, Scientific Missions & Workshops

1-The scientific committee (SC) of the 1st scientific Congress of Junior Geo-scientists in Egypt (SCJGE-1), Sohag university, February 3-4, 2019.

2-The Fourth International Conference on New Horizons in Basic and Applied Science (ICNHBAS 2019) 26 - 29 July 2019 Hurghada, Egypt.

3-13th International Conference on Mining Petroleum and Metallurgical Engineering, Suez University 25 - 27 October 2019 (MPM 13).

4-Sustainable conservation of UNESCO and other heritages sites through proactive geosciences 10 -12 December 2019.

* Projects

1-Evaluation of the vertical and horizontal stability of the High Dam region and its relation to the bed rocks, Aswan (Member)

2-Potential of 3D laser point cloud data usage for the tourism industry at Saqqara archaeological sites (Member)

3-Monitoring of recent crustal movements at the northwest part of Nasser Lake Aswan, Egypt (Member)

4-Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations, and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayum, Egypt (Member)

5-Evaluation the stability of some petroleum tanks at El-Alameen area (Member)

* Consultancy

1-Mobile laser scanning of Salah Edin Citadel, Cairo.

2-Documentation for El-Kadi House using Trimble Terrestrial Laser Scanner.

3-3D documentation for Hawara pyramid using terrestrial laser scanner TX6, Mobile laser scanner Mx2 and GNSS techniques.

4-Detection caves at khufu pyramid by gravity method.

* Supervision of M.Sc. / Ph.D.

Prof/ Abdelmonem Sayed Mohamed

* Books

N/A

* Other

1-Field trip to the permanent GPS stations like Suez, Tanta, Port said, Marsa Alam, Matrouh,...etc to collecting and check the healthy of this station.

2-Field trip to Hawara pyramid, Fayoum, Egypt to make topographic survey by GPS technique and collecting data to create 3D model by using laser technology.



8- Geodynamic Department

8-1 Crustal Movements Laboratory

3-Two Field trip to Aswan to collecting GPS networks around high dam and Nasser lake to measuring the crustal deformation at Aswan.

4-Field trip to Saqqara pyramid, Giza, Egypt to make topographic survey by GPS technique and collecting data to create 3D model by using laser technology.



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Hanan Helmi Mohamed Genidi
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: Hanan.genidi@nriag.sci.eg
☎ Phone: 01553665353



* [Scientific Publication \(National& International\)](#)

General Assembly of Applied Geophysics

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

- «Erste Hilfe Ausbildung», Neunkirchen Saar, Germany -April 26th -28th., 2019
- Short course in «Meteorites in Egypt and the Middle East» in National Research Centre, Egypt -March 17th, 2019
- 34th Annual Egyptian Geophysical Society International Confe

* [Projects](#)

-Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations, and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayum, Egypt (Member)

* [Consultancy](#)

- 1-Mobile laser scanning of Salah Edin Citadel, Cairo
- 2-Documentation for El-Kadi House using Trimble Terrestrial Laser Scanner
- 3-Contribution to the pyramid of Hawara project.

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Field trip to Tanta Geodesy station.



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Mohamed Alsaid Mahrous
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* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

Work in Aswan crustal movements project...

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

I am new researcher at NRIAG and just started in PhD



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Ahmed Elhadi Sherif
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: shrif_1430@yahoo.com
☎ Phone: 01010833983



* [Scientific Publication \(National& International\)](#)

Mostafa Rabah, Zaki Zedan, Essam Ghanem, Ahmed Awad, Ahmed Sherif (2016), Study the feasibility of using PPP for establishing CORS network. In Arabian Journal of Geosciences 9(13). DOI: 10.1007/s12517-016-2647-8

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

High Dam Project in Aswan

* [Consultancy](#)

BEET Al Qadi Laser Scanning, Citadel of Saladin Topographic surveying and Laser scanning

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Alshimaa Yousry Hamed Abo gharbia
👛 Position: Assistant Researcher (MSc. Student)
✉ Email: alshimaayousre@gmail.com
☎ Phone: 01224177713



* Scientific Publication (National& International)

Registration-Based Change Detection for SAR Images Alshimaa Y. Abo gharbia¹; Mohamed Amin²: Ashraf Elkutb Mousa¹: Nadia AbouAly¹: Ghada M. El banby³: Fathi E. Abd El-samie⁴,2019,NRIAG Journal(under review)

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

1-Artificial intelligence in the space science

2-AI and Recent IT Technologies Impact for Building Egyptian Knowledge and Innovation Society

* Projects

1-Evaluation of the vertical and horizontal stability of the High Dam region and its relation to the bed rocks, Aswan

2-Potential of 3d laser point cloud data usage for the tourism industry at Saqqara archaeological sites

3-Monitoring of recent crustal movements at the northwest part of Nasser Lake Aswan, Egypt

* Consultancy

1-Mobile laser scanning of Salah Edin Citadel, Cairo

2-Documentation for El-Kadi House using Trimble Terrestrial Laser Scanner

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

1-Member in Geodesic Data Center

2-Training in the laser scanning application 3-Member in Laser scanning units



8- Geodynamic Department

8-1 Crustal Movements Laboratory

👤 Name: Mahmoud Sayed Ahmed Etman
👛 Position: Assistant Researcher (MSc. Student)
✉ Email: Mahmoudetman@nriag.sci.eg
☎ Phone: 01004037813



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

-(EGS) Egyptian Geophysical Society Conference 34th Annual meeting of society on 19 march 2019 at holiday inn Cairo, maadi hotel.

* [Projects](#)

- 1.Network project around the High Dam using GNSS and leveling to measure the crustal movement over their as(member)
- 2.Mobile Laser scanner and GPS measurements in Salahuddin Castle (member)

* [Consultancy](#)

- 1.Gravitational measurements and GPS in the Great Pyramid of khofu (member).
- 2.Advanced surveying around Hawara pyramid using terrestrial laser(TX6), mobile laser scanner(MX2),GPS and total station.

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



Gravity Laboratory



8- Geodynamic Department

8-2 Gravity Laboratory

No	Name	Position	Activity
1	Elsayed Abdelazim Issawy	Professor and Head of the Lab.	Active
2	Khaled Zahran	Professor and Deputy Head of Dept.	Active
3	Salah Saleh	Professor	Active
4	Basem El Saka	Associate Professor	Active
5	Mohamed Sobh Emam	Researcher	Post Doctor Scholarship & Active
6	Karem Fathy Abdel-Gaber	Researcher Assistant (PhD. Student)	PhD. Scholarship & Active
7	Soha Reda	Researcher Assistant (PhD. Student)	PhD. Scholarship & Active
8	Mostafa Elwan	Researcher Assistant (PhD. Student)	Active
9	Moataz Sayed Ahmed Ibrahim	Researcher Assistant (PhD. Student)	Active
10	Mohamed Hussien	Researcher Assistant (PhD. Student)	Active
11	Ahmed El-garhy	Researcher Assistant (PhD. Student)	Active
12	Hesham Sabry	Assistant Researcher (MSc. Student)	MSc. Scholarship & Active
13	Sara Adel	Assistant Researcher (MSc. Student)	Active



8- Geodynamic Department

8-2 Gravity Laboratory

👤 Name: Elsayed Abdelazim Issawy
👔 Position: Professor
✉ Email: issawy@nriag.sci.eg
☎ Phone: 01005241812



* Scientific Publication (National& International)

-Sh. Roohi, N. Sneeuw, J. Benveniste, S. Dinardo, E. A. Issawy and G. Zhang (2019), Evaluation of CryoSat-2 water level derived from different retracking scenarios over selected inland water bodies. Advances in Space Research (2019), doi: <https://doi.org/10.1016/j.asr.2019.06.024>.

* Reviews of Papers (National& International)

6 Extended abstracts for 81th meeting of the European Association of Geoscientists and Engineers (EAGE), London, United Kingdom, 03-06 June 2019.

* Conferences , Scientific Missions & Workshops

1. 81th meeting of the European Association of Geoscientists and Engineers (EAGE), London, United Kingdom, 03-06 June 2019.
2. Two weeks of short visit (scientific mission), the Geodetic Institute, Stuttgart University, Germany (June 2019).
3. 7th meeting of the International Earth Science Colloquium on the Aegean Region, October 7th to 11th, 2019, Izmir, Turkey.
4. 2nd Conference of Arabian Journal of Geosciences (CAJG), 25-28 November 2010, Sousse, Tunisia.

* Projects

مشروع دراسة تحركات القشرة الأرضية في أسوان. الباحث الرئيسي لمشروع «مراقبة الوضع المائي لبحيرة ناصر-مصر» باستخدام الأقمار الصناعية (STDF) مشروع دراسة مواقع خزانات البترول بشركة بترول الصحراء الغربية- ميناء الحمراء- العلميين- الساحل الشمالي.

* Consultancy

دراسة تناقلية لموقع خزان بترول ٨ بشركة بترول الصحراء الغربية- ميناء الحمراء- العلميين- الساحل الشمالي .

* Supervision of M.Sc. / Ph.D.

Ph.D. Miss. Soha Reda Hassan (Researcher assistant) Deformation Pattern of Nile Delta – Mediterranean Conjunction Utilizing Satellite and Ground Based Data, Faculty of Science, Tanta University, Egypt and univeretity of West Michigan, USA. Ph.D. Mr. Mostafa Elwan, (Researcher assistant) Study the Potentialities of Thermal Activity in the Western Desert using Terrestrial and Satellite Gravity Data Faculty of Science, Ain Shams University, Egypt. Ph.D. Mr. Ali Fathy Mohamed Role of Integrated Geophysical Survey Methods in Assessment of Archaeological Sites in Baharyia Oasis Western Desert- Egypt. Faculty of Science, Al-azhar University, Cairo, Egypt

* Books

NA





* Other

NA



8- Geodynamic Department

8-2 Gravity Laboratory

 Name: Khalid Hussein Zahran
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 Email: zahran@nriag.sci.eg
 Phone: 01005607585



* Scientific Publication (National & International)

NA

* Reviews of Papers (National & International)

EMPIRICAL RELATIONSHIP BETWEEN GRAVIMETRIC AND MECHANICAL PROPERTIES OF BASEMENT ROCKS IN ADO-EKITI, SOUTHWESTERN NIGERIA, NRIAG Journal of Astronomy and Geophysics. Lithospheric Dynamics within the Central Portion of the Equatorial Atlantic African Region from Isostatic Residual Gravity Map and Profiles Journal: NRIAG Journal of Astronomy and Geophysics

* Conferences, Scientific Missions & Workshops

First meeting for young researchers, Sohag University, 4/02/2019; MANAGING NILE BASIN SURFACE AND GROUND WATER USING INTEGRATED SATELLITE OBSERVATIONS. BLUEMED, SEALINES Mediterranean Safety Network, CNR Italy, March, 2019; Recent Approaches for SEALINES Monitoring: Climate change adaptation and Socio-economic resilience. Case study: Nile Delta. EAGE ANNUAL CONFERENCE, LONDON, July, 2019; Microgravity observations to investigate installed crude oil tank instability INTERNATIONAL EARTH SCIENCE COLLOQUIUM AEGEAN REGION, IZMIR, OCTOBER 2019; Tectonic settings and neo-tectonics of the Aegean Sea as deduced from satellite altimeter and gravity data. Second conference of the Arabian Journal of Geosciences, Tunisia, 2019; Tectonic settings and neo-tectonics of the Arabian Peninsula as deduced from satellite altimeter and gravity data.

* Projects

Evaluation of the vertical and horizontal stability of the High Dam region and its relation to the bed rock region , Aswan. NATIONAL CHALLENGE STDF PROJECT, Co-P!

* Consultancy

Report of Microgravity observations at the Location of Tank 8, El Hamra Terminal , 2019, IACG-ENPPI, PI. Report of Microgravity observations at the Large area, El Hamra Terminal , 2019, DApolonia-ENPPI, PI. Microgravity observations in and out Cheops pyramid, 2019, Ministry of Antiquates. ACTIVE TECTONICS AND SEISMIC HAZARD ASSESSMENT FOR CENTRAL BUSINESS DISTRICT OF THE NEW CAPITAL , 2019, China State Construction Engineering, Egypt.

* Supervision of M.Sc. / Ph.D.

Mostafa Elwan, Local Geoid and the Thickness of the Lithosphere and its Role on the Evaluation of Geothermal Activities at the Western Desert, Egypt , Ph.D. Ain Shams University. Soha Reda, Deformation Pattern of Nile Delta – Mediterranean Conjunction Utilizing Satellite and Ground Based Data, Ph.D. Tanta University. Hesham Sabry, Evaluation the water storage capacity of El-Kharga ground water aquifer using using ground based and satellite spatial gravity observations, M.Sc. Assiut University

* Books

NA

* Other

Scientific Mission to the Center of Space Research(CSR) University of Texas, USA, April 2019.



8- Geodynamic Department

8-2 Gravity Laboratory

Name: Prof. Dr. Salah Saleh Mohammed Moustafa
Position: Professor
Email: salahsmm@yahoo.com
Phone: 01099343582/ 01100063974



* Scientific Publication (National& International)

1-Clustering Approach based K-Means Grey Wolf Optimization (KMGWO) algorithm of Seismic Zoning Partitioning to enhance Earthquakes Early Warning of Suez Rift in Egypt Mona M.Soliman, Salah Saleh, Ashraf Darwish, and Aboul Ella Hassanien submitted to Pur and applied Journal, 2019.

2-Impact of inherited structures on the Present-day tectonics of the Central Eastern Desert and Northern Red Sea, Egypt: evidence from 3-D Gravity inversion and seismicity Authors: Salah SALEH, A. R. MOUSTAFA, Vladimír POHÁNKA Journal: Submitted to the Arabian Journal of Geosciences, Springer, submitted to January 2019.

* Reviews of Papers (National& International)

Manuscript number GP-2019-2724. R2) entitled "A new contribution to the geology of the Egyptian Red Sea shelf using geophysical data ", by Ahmad Azab, Saada Ahmed Saada, Ali Ali El-Khadragy, submitted to Geophysical Prospection.

* Conferences , Scientific Missions & Workshops

The 25th year of the INTERGEO conference took place Sept. 17-19 at Messe Stuttgart in Stuttgart, Germany. The event is organized by DVW – German Society for Geodosy, Geoinformation and Land Management e.V., and sponsored by Hexagon, Trimble and Autodesk.

* Projects

1. The Principal Investigator (PI) of the project of the Lahun area in Fayoum funded by the Academy of Scientific Research and Technology entitled: (Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations, and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayoum, Egypt).

2. Participation in the project of evaluating the crustal movement of the High Dam Lake in Aswan.

3. Participate in the project of archaeo-prospection to detect the archaeological remains using the microgravity investigations, Sakkara region, Egypt.

* Consultancy

Participate in the development of the scientific proposal for micro-gravity studies to determine the dangerous places (such as caves and weak layers due to the spread of fractures or cracks..etc), below some oil reservoirs in the area of Al-alameen, the Northern Coast, Egypt

* Supervision of M.Sc. / Ph.D.

1-The main Supervisor for Miss. Sarah Adel (Master student), Gravity Laboratory, NRIAG

2-The main Supervisor for Mr. Gaber Magdy (Master student), Faculty of science, geology department, Helwan University

* Books

NA

* Other

1. Scientific mission to the State of Argentina from 15-01-2019 to 17-02-2019) travel to the State of Argentina - San Juan National University in the city of San Juan during a scientific visit from 15 January to 15 February 2019, at the invitation of Prof. Rosa Garbarino Rosa Garbarino, a professor at the National University of San Juan,



8- Geodynamic Department

8-2 Gravity Laboratory

without incurring any expenses for this scientific visit, for scientific cooperation in the field of archaeological exploration using modern geophysical methods, in the archaeological area of Hilario in San Juan, Argentina. As well as to discuss further joint research activity with the National University of San Juan, the National Institute of Astronomical and Geophysical Research to benefit from the Argentine scientific expertise in this field of science.

2. Member of the scientific committee for the IESCA, which will be held in Istanbul, Turkey, (7-11 October 2019) International Earth Science Colloquium on the Aegean Region, IESCA “on 7-11 October 2019., <http://iesca.deu.edu.tr>

3. A Scientific mission to Turkey. I visited the Department of Geophysics - Faculty of Engineering, University of Dokuz Eylül, Izmir - Turkey for two weeks during the month of June - July 2019. I visited the research group Geophysics Department and discuss more joint research activity and the application of the latest technologies to deal with satellite data, Seismic data and geothermal energy for the Gulf of Suez region.

4. A scientific mission to Germany in the period from 1-8-2019 to 31-10-2019 as a postdoctoral fellowship from Egyptian Administration Missions. I visited the laser scanner and photogrammetry laboratory - Faculty of Engineering - University of HafenCity - Hamburg, to end some joint research under the project (Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations, and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayoum, Egypt) in order to implement the latest computer programs and modern technologies to process the 3D laser scanner data as well as benefit from the expertise available there in this regard for the benefit of the above project.



8- Geodynamic Department

8-2 Gravity Laboratory

Name: Basem Abdelkareem Anwar Elsaka
Position: Associate Professor
Email: basem_elsaka2002@yahoo.com
Phone: 4917653444627



* Scientific Publication (National& International)

- 1) Saadon, A., Elsaka, B., El-Ashquer, M. and El-Fiky, G. (2019): Regional Evaluation of GOCE-Based GGMs with Ground-Based Gravity and GPS/Levelling Data over Egypt. International Journal of Geosciences. 10, 652-668. <https://doi.org/10.4236/ijg.2019.106037>.
- 2) Elsaka, B. (2019): Spatio-Temporal Polar-Inclined Space Mission Architecture for a Refined Retrieve of the Earth's Gravity Field. World Journal of Engineering and Technology, (Accepted).

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

- القيام بعمل ورشة عمل علمية (نظرية و عملية) لحساب موديلات سطح الجيوييد من بيانات التناقلية الأرضية والأقمار الصناعية لزملائي بقسم ديناميكية الأرض بالمعهد القومي للبحوث الفلكية والجيوفيزيائية بقاعة الأستاذ الدكتور مدور في الفترة من ٠١ يناير إلى ٠٣ يناير ٢٠١٩ ، وإلقاء محاضرات بعنوان Satellite-based Gravity Data: Introduction to Satellite Gravimetry and Spherical Harmonics. II. Ground-based Gravity Data: Gravity Measurements and their Reductions. III. GRAVSOF: Introduction to GRAVSOF Programs to Deal with Satellite- and Ground-based data. IV. Data Evaluation: Comparison of Satellite-based Geopotential Models over Egypt on a grid- and point-wise scale. V. Geoid Modelling: Geoid Heights Modeling from Gravity Field Anomalies using Remove-Compute-Restore Process and Least Squares Collocation Approach. VI. Performing a Successful Relative Gravity Survey

* Projects

NA

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

Supervised Ph.D. Dissertations: PhD. of Eng. Ossama Sayed Ali (2019) Geodynamic and Geoid Height Assessment of the Eastern and Western Parts of the Arabian Plate. Civil Engineering Dept., Faculty of Engineering, University of Aswan, Aswan, Egypt. (Supervised by: Prof. Ayman Mahmoud Othman, Dr. Basem Elsaka). Supervised M.Sc. Dissertations: M.Sc. of Eng. Ahmed Saadon (2019) On the Computation of Gravimetric Geoid of Egypt using Different Estimation Techniques. Construction Engineering and utilities Dept., B.Sc. Civil Engineering - Faculty of Engineering - Zagazig University. (Supervised by: Prof. Gamal El-Fiky, Dr. Basem Elsaka and Dr. Mohamed El-Ashquer).

* Books

NA

* Other

NA



8- Geodynamic Department

8-2 Gravity Laboratory

👤 Name: Mohamed Sobh
👔 Position: Researcher
✉ Email: mohamedsobh53@yahoo.com
☎ Phone: 01225484385



* Scientific Publication (National & International)

1- Sobh, M., Ebbing, J., Mansi, A. H., and Götze, H-J., 2019. Crustal Thickness for Egypt from Inverse and 3D Forward Modelling of Combined Gravity Data. *Tectonophysics*, 752(5), 52-67, DOI: 10.1016/j.tecto.2018.12.002.
2- Sobh, M., Mansi, A. H., Ebbing, J., and Campbel, S., 2019. Regional Gravity Field Model of Egypt Based on the Satellite and Ground-Based Data. *Pure Appl Geophys*, DOI: 10.1007/s00024-018-1982-y
Sobh, M., Ebbing, J., Götze, H-J., Mansi, A.H., and Abdelsalam, M. G., 2019. The lithospheric structure of the Saharan Metacraton from 3-D integrated geophysical-petrological modelling. *JGR solid Earth* (Accepted)

* Reviews of Papers (National & International)

3 Paper in journal of africa earth sciences and Pure and applied geophysics

* Conferences , Scientific Missions & Workshops

Joint Inversions in Geophysics , 4 - 7 November 2019, Saarland, Germany

* Projects

Analysing models of geothermal heat-flux by Bayesian inversion of magnetic data

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

Membership American Geophysical Union (AGU). European Geosciences Union (EGU). Society of Exploration Geophysicists (SEG). European Association of Geoscientists and Engineers (EAGE). German Geophysical Society (DGG).



8- Geodynamic Department

8-2 Gravity Laboratory

👤 Name: Karem Fathy Abdelgaber
👔 Position: Researcher Assistant (PhD. Student)
✉ Email: karem.abdelmohsen@wmich.edu
📞 Phone: 015123007923



* [Scientific Publication \(National& International\)](#)

K. Abdelmohsen, M. Sultan, A. Mohamed, S. Himanshu, B. Elkaliouby, E. Emil, E. Yan, A. Abotalib, R.V. Krishnamurthy, K. Abdelmalik Response of deep aquifers to climate variability *Sci. Total Environ.*, 677 (2019) (2019), pp. 530-544 <https://doi.org/10.1016/j.scitotenv.2019.04.316> A. Othman, M. Sultan, R. Becker, S. Alsefry, T. Alharbi, E. Gebremichael, H. Alharbi, K. Abdelmohsen, Use of geophysical and remote sensing data for assessment of aquifer depletion and related land deformation *Surv. Geophys.*, 39 (2018), pp. 543-566 <https://doi.org/10.1007/s10712-017-9458-7> M. Sultan, N.C. Sturchio, S. Alsefry, M.K. Emil, M. Ahmed, K. Abdelmohsen, M.M. AbuAbdullah, E. Yan, H. Save, T. Alharbi, A. Othman, K. Chouinard Assessment of age, origin, and sustainability of fossil aquifers: a geochemical and remote sensing-based approach *J. Hydrol. (Amst.)* (2019) <https://doi.org/10.1016/j.jhydrol.2019.06.017> KW Abdelmalik, K Abdelmohsen - GRACE and TRMM mission: The role of remote sensing techniques for monitoring spatio-temporal change in total water mass, Nile basin-*Journal of African Earth Sciences*, 2019

* [Reviews of Papers \(National& International\)](#)

Pure and applied Geophysics *Journal of Remote Sensing*

* [Conferences , Scientific Missions & Workshops](#)

American Geophysical Union (AGU) Geological Society of America (GSA)

* [Projects](#)

Nubian Aquifer

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Farouk El-Baz Student Research Award (GSA 2017)



8- Geodynamic Department 8-2 Gravity Laboratory

👤 Name: Soha Reda Hassan
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: s.r.i.hassan.nriag@gmail.com
☎ Phone: NA



* [Scientific Publication \(National& International\)](#)

Monitoring recent land subsidence in the Nile Delta of Egypt using Sentinel-1 InSAR time series, AGU Conference

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

AGU» American Geophysical Union» Fall Meeting, 2019

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

- Currently a Ph.D candidate in Western Michigan University, USA -Training in InSAR Techniques. -Training in GRACE satellite mission.



8- Geodynamic Department 8-2 Gravity Laboratory

👤 Name: Mostafa Elwan
👛 Position: Researcher Assistant (PhD. Student)
✉ Email: mostafaelwan40@yahoo.com
☎ Phone: 01019889710



* Scientific Publication (National& International)

Mostafa Elwan, Salah Saleh, El Arabi Shendi , Khaled Mamoun (2019): Mapping Active Subsurface structures of the NE Egyptian Coastal Zone Using Geophysical Data Analysis, Abstracts, , The Fourth International Conference of the Faculty of Science conference

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

- Training workshop on the Computation of Geoid Heights over Egypt from Different Satellite- and Ground-based Datasets, NRIAG, Helwan The Fourth International Conference of the Faculty of Science, Azhar Assiut 26-29 July. Hurghada, Egypt «The Third Internati

* Projects

- Potential of 3d laser point cloud data usage for the tourism industry at Saqqara archaeological sites, funded by Scientific Research Academy . - Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations and

* Consultancy

Performed and participated in many consultations

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

Memberships: SEG member - ID number: 317381



8- Geodynamic Department

8-2 Gravity Laboratory

👤 Name: Moataz Sayed Ahmed
👔 Position: Researcher Assistant (PhD. Student)
✉ Email: moataz.ibrahim@nriag.sci.eg
📞 Phone: 01009477886



* Scientific Publication (National& International)

Khaled. H. Zahran, Mohamed.G.Al-Ibiary, Maysa M.N Taha, Moataz.S.Ibrahim (2018): Continuous Gravity Observation at Lake Nasser Region. Egyptian Journal of Applied Geophysics (ISSN1687.1251) in the 17th volume 2018.

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

- The Arab Conference on Astronomy and Geophysics 6th Assembly(15-17 October 2018),with Poster Presentation.
- The Scientific Committee (SC) of the 1st scientific Congress of Junior Geoscientists in Egypt (SCJGE-1) held at Sohag University, February 3-4, 2019 with Oral Presentation titled Earth tide observations and influences of variable load of Lake Nasser.
- The 4th. International Conference on New Horizons in Basic and Applied Science (ICNHBAS 2019) held at Hurghada, July 26-29, 2019 with Oral Presentation.
- Training workshop on Heritage sites, exploration and preservation (May 5-10, 2018), Misallat Observatory NRIAG, Fayoum.
- Training workshop on the computation of Geoid hights over Egypt from different satellite – and ground-based, 1-9 January, 2019 NRIAG, Egypt.

* Projects

- Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayum, Egypt, funded by Scientific Research Academy(Member).
- Evaluation the stability of some petroleum tanks at El-Alameen area(Member).
- Monitoring of recent crustal movements at the northwest part of Aswan Lake Aswan, Egypt(Memebr).
- Evaluation of Nile Delta Sinking Hypothesis Using the Global Positioning System (GPS), Tide Gauge and Satellite Altimetry and Gravity Techniques (Member)
- Earth tide observations in Aswan and Abu-Simble tidal stations (member).

* Consultancy

A lot of consultancies related to Geodynamic department.

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

Certificate Master Degree in Geophysics, January 2019. Helwan University, Cairo (Egypt)

- Master- Thesis title: ‘Continuous Gravity Observations around Lake Nasser Area, Aswan, Egypt’.



8- Geodynamic Department 8-2 Gravity Laboratory

👤 Name: Mohamed Hussien Mahmoud
📁 Position: Researcher Assistant (PhD. Student)
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* [Scientific Publication \(National& International\)](#)

National

* [Reviews of Papers \(National& International\)](#)

National

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

Prof/Khaled Zahran

* [Books](#)

NA

* [Other](#)

NA



8- Geodynamic Department 8-2 Gravity Laboratory

👤 Name: Ahmed Awadallah Moheb Abdelkawi Othman Mohmed Elgarhi
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☎ Phone: 01022844553



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

NA

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



8- Geodynamic Department 8-2 Gravity Laboratory

👤 Name: Hesham Elhaddad
👛 Position: Assistant Researcher (MSc. Student)
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* **Scientific Publication (National& International)**

NA

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

- Master Scholarship at ELTE university - Preparation IELTS Course - (ICNHBAS 2019) 4th International Conference on new horizons in Basic and Applied Science - workshop about Satellite Gravimetry held by Dr.Basem Elsaka, NRIAG

* **Projects**

NA

* **Consultancy**

- Participant in Elalamien Geotechnical Field work
- Participant in fractures and subsurface structures detection survey at High dam, Aswan.
- Participant in The Great pyramids gravity survey work
- Was Responsible for different processing and interpr

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

NA



8- Geodynamic Department 8-2 Gravity Laboratory

👤 Name: Sara Adel Mohi Eldin
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: saramohe51@yahoo.com
📞 Phone: 01090185664



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Training workshop on the Computation of Geoid Heights over Egypt from Different Satellite- and Ground-based dataset, NRIAG (1-9 January 2019)

* [Projects](#)

- 1- Evaluation of the vertical and horizontal stability of the High Dam region and its relation to the bedrocks, Aswan (Member)
- 2- Monitoring of recent crustal movements at the northwest part of Aswan Lake Aswan, Egypt(Member)
- 3- Evaluation of Nile Delta Sinking Hypothesis Using the Global Positioning System (GPS), Tide Gauge and Satellite Altimetry and Gravity Techniques (Member)
- 4- Earth tide observations in Aswan and Abu-Simble tidal stations (Member).

* [Consultancy](#)

Detection caves at khufu pyramid by gravity method

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



Aswan Seismological Center



Aswan Seismological Center

No.	Name	Posotion	Activity
1	Haggag Hamed Mohamed	Professor	Active
2	Raafat ElShaei Fat-Helbary	Professor Emeritus	Active
3	Gaber Hassan Hassib	Professor Emeritus	Active
4	Sayed Dahy	Professor Emeritus	
5	Yousef Sayed Taha	Professor Emeritus	Active
6	Abdelnasser Mohamed	Associate Professor	Active
7	Sameh Mousa Moustafa	Professor Emeritus	Active
8	Ezzat Mohamed Elamin	Researcher	Active
9	Yassin Mostafa Mahmoud	Professor Emeritus	Active
10	Ahmed Hamed Sayed	Researcher Assistant	Active
11	Hamada Saadalla Mahmoud	Researcher Assistant	Active
12	Sayed Moahmed Ali	Researcher Assistant	Active
13	Mahmoud Radaman Hefny	Researcher Assistant	Active



Aswan Seismological Center

👤 Name: Haggag Hamed Mohamed Abdel Rahim
👔 Position: Professor **Head of Aswan Seismological Center**
✉ Email: haggaghm@yahoo.com
📞 Phone: 01100176795



* **Scientific Publication (National & International)**

NA

* **Reviews of Papers (National & International)**

NA

* **Conferences, Scientific Missions & Workshops**

- 1- Accepted abstract : Inland water monitoring using different satellite sensors, Elsayed Issawy, Haggag Mohamed, 2nd Conference of the Arabian Journal of Geosciences (CAJG 2019) 25 – 28, November 2019, Sousse, Tunisia.
- 2- Workshop at Dalian University, of Technology Faculty of Infrastructure Engineering, Sept., 2-16, 2019 China
- 3-Scientific mission to CSIR - NORTH-EAST INSTITUTE OF SCIENCE & TECHNOLOGY, Jorhat-785 006 ASSAM, India. Should be during the period 8-22 Dec., 2019.
- 4-The role of the Aswan Seismological Center in the development and community service, Aswan, June 19, 2019

* **Projects**

- 1-Vice president of the continuous Project between the High Dam Authority and NRIAG (Seismological and Crustal Movements Studies around the Northern part of Lake Nasser
- 2-President of the continuous project: Monitoring the Explosions, (blasts) made by (Medcom – Aswan for Cement company) quarries.
- 3-President of the continuous project: Monitoring the explosions, (blasts) made by EL NASR MINING Company, Seibaia, Idfu, Aswan.
- 4-Member of STDF project «Evaluation of the vertical and horizontal stability of the High Dam region and its relation to the bed rocks, Aswan 2019-2021»

* **Consultancy**

- President of the continuous project: Monitoring the Explosions, (blasts) made by (Medcom – Aswan for Cement company) quarries.
- President of the continuous project: Monitoring the explosions, (blasts) made by EL NASR MINING Company, Seibaia, Idfu, Asw

* **Supervision of M.Sc. / Ph.D.**

- Msc thesis , internal supervisor Site characterization study using shallow geophysical methods for the proposed new Tiba city extension, Luxor, Egypt

* **Books**

NA

* **Other**

- Director of the Aswan Seismological Research Center
- Attending the Boards of the Seismological Research Center and the High Dam Authority
- Attend the boards of the Institute
- Chairman of the Organizing Committee of the workshop in the Aswan Seismic R



Aswan Seismological Center

Name: Raafat Elshafei Fat-helbary
Position: Professor Emeritus
Email: fat_helbary2@yahoo.com
Phone: 01003416008



* Scientific Publication (National& International)

1. Abudeif . A.M., R.E. Fat-Helbary, M.A. Mohammed, H.M. El-Khashab a, M.M. Masoud, “Estimation of the Site Effect Using Microtremor Technique at New Akhmim City, Akhmim, Sohag, Egypt, Russian Geology and Geophysics”, Vol. 60, No. 2, pp. 231–239, 2019
2. Raafat El-Shafie Fat-Helbary ,Karrar Omar El-Faragawy, Ahmed Hamed, “ Application of HVSR technique in the site effects estimation at the south of Marsa Alam city, Egypt ”, Journal of African Earth Sciences 154 (2019) 89-100.
3. Raafat El-Shafie Fat-Helbary, Karrar Omar El-Faragawy & Ahmed Hamed “ Soil geotechnical characteristics for seismic risk mitigation at the southern extension of Marsa Alam city, Egypt, NRIAG Journal of Astronomy and Geophysics, VOL. 8, NO. 1, 1–14 (2019)

* Reviews of Papers (National& International)

١. مشروع تقييم الخطورة الجيوبينية على المناطق الأثرية بمحافظة المنيا - مصر ، ٢٠١٥، تحكيمه ضمن ابحاث الترقية للدكتور أحمد حسنى على لدرجة أستاذ باحث (STDF, project ID :٣٥٨٧, ٢٠١٥)
٢. مشروع تقييم المخاطر الزلزالية على منطقة محطة كهرباء غرب القاهرة تحكيمه ضمن ابحاث الترقية للدكتور أحمد حسنى على لدرجة أستاذ باحث ، ٢٠١٦ (مشروع ممول)
٣. عدد ٩ ابحاث لترقية الدكتور أحمد حسنى لدرجة استاذ باحث (محلّى ودولى)

* Conferences , Scientific Missions & Workshops

NA

* Projects

- عضو فى مشروع تقييم الثبات الرأسى والأفقى لمنطقة السد العالى وعلاقتها بصخور القاعدة، أسوان، مشروع (1) National Projects (2) Project with international partners and co funders (STDF, project ID: 33374, 2019–2021) ممول
١. الباحث المصرى الرئيسى فى المشروع المصرى الإيطالى ” دراسة تأثير العمليات التكتونية وخزان المياه ببحيرة ناصر فى احداث النشاط الزلزالى فى منطقة أسوان “ - مشروع ممول فى اطار التعاون العلمى والتكنولوجى بين اكااديمية البحث العلمى والمجلس القومى للبحوث الإيطالى خلال عامى (تم تسليم التقرير النهائى فى نوفمبر ٢٠١٩)
 ٢. الباحث المصرى الرئيسى فى المشروع المصرى الإيطالى ” ٢. دراسة الفوالق النشطة المتعلقة بعمليات إثارة الزلزالية الطبيعىة والمستحثة فى منطقة أسوان (مصر) ” مشروع ممول فى اطار التعاون العلمى والتكنولوجى بين اكااديمية البحث العلمى والمجلس القومى للبحوث الإيطالى خلال عامى (٢٠١٩-٢٠٢١).

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

رسالة دكتوراة خاصة بالسيد أحمد حامد سيد تحت عنوان “Seismic Microzonation for Earthquake Risk Mitigation at the southern Extension of Marsa Alam City, Egypt

* Books

NA

* Other

عضو لجنة الترقيات لدرجة استاذ واستاذ مساعد خلال عام ٢٠١٩



Aswan Seismological Center

👤 Name: Gaber Hassan Hassib
👔 Position: Professor Emeritus
✉ Email: gaberhassib@yahoo.com
📞 Phone: 01066905131



* Scientific Publication (National& International)

Gaber H. Hassib, Ezzat M. El-Amin, Haggag H. Mohamed and M. El-Amin Mohamed (2019): Abu Dirwa Fault, a Tectonic Active Fault Triggered by Water Diffusion from Lake Nasser, Aswan, Egypt, Egyptian Journal of Applied Geophysics, Vol. 18 No. 1 (in press).

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

1-Workshop in the sharing of the Aswan Earthquake Research Centre in development.

2-The 10th International Conference on the Geology of Africa (19-21 November, 2019) Assiut University. The paper entitled : A study of the Earthquake Mechanics in and Around Aswan Lake, Egypt and Their Tectonic Implications

* Projects

1-Seismological studies and the degree of High Dam Stability Project. (with High and Aswan Dams Authority since 1982 until now)

2-Monitoring of quarry blasts for Aswan Cement Company.

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books

Sharing in the Aswan Earthquake Research Centre yearly fulfilments book.

* Other

NA



Aswan Seismological Center

👤 Name: Yousif Sayed Taha
👔 Position: Professor Emeritus
✉ Email: ysf481188@yahoo.com
☎ Phone: 01144782724



* **Scientific Publication (National& International)**

NA

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

-حضور ورشة عمل عن دور مركز بحوث الزلازل الاقليمي باسوان في التنمية وخدمة المجتمع وذلك يوم ١٩ يونيو ٢٠١٩

* **Projects**

-Take part in the scientific projects between NRIAG and the High Dam Authority; Seismicity, Deformation and Seismic Hazard in and around Wadi Kalabsha Area, Aswan. (1981-tel now)

-Take part in the project between NRIAG and Cement Campinas for the monitoring the explosions at the Aswan area.2019

-Geophysical study on Slipway bridge- 2019

-دراسة تأثير العمليات التكتونية وخزان المياه ببحيرة ناصر في في احداث النشاط الزلزالي في منطقة اسوان. في اطار التعاون العلمى والتكنولوجيين اكاديمية البحث العلمى والمجلس القومى للبحوث الايطالى (تم تسليم التقرير النهائى فى نوفمبر ٢٠١٩)

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

•Sharing in the analysis of Seismic,Strong motion and Piezometers data in the Aswan Earthquake Research Center (final report 2019)



Aswan Seismological Center

👤 Name: Abdelnasser Mohamed
👔 Position: Associate Professor
✉ Email: nassermhmd@nriag.sci.eg
☎ Phone: 01002543871



* Scientific Publication (National& International)

Hamada Saadalla, Abd el-aziz Khairy Abd El-aal, Abdelnasser Mohamed, K. El-Faragawy (2019): Determination of earthquake source parameters using the inversion of waveform data: A case of small earthquakes around High Dam Lake, Aswan region, Egypt, Journal of African Earth Sciences 151 (2019) 403–416. doi.org/10.1016/j.jafrearsci.2019.01.001.

* Reviews of Papers (National& International)

1-For NRIAG journal of Astronomy and Geophysics, publisher: Taylor and Francis.
2-Journal of African Earth Sciences, ISSN: 1464-343X, Publisher: Elsevier.

* Conferences , Scientific Missions & Workshops

1-14-25 January, 2019: Scientific mission to University of Munster, for seismic data analysis, Munster, Germany.
2-12 March, 2019: NRIAG workshop for mining and cement industry, NRIAG, Helwan, Cairo, Egypt.
3-18 June, 2019: Aswan Earthquake Research Center workshop for the development, Aswan, Egypt.
4-26-29 July, 2019: The fourth International Conference on New Horizons in Basic and Applied Sciences (ICNHABS), Hurghada, Egypt.
5-01-15 September, 2019: Scientific mission to attend the Workshop on Earthquake Disaster Prevention and Mitigation in the “Road & Belt” countries, Dalian, China.
6-21st November, 2019: Workshop on the Applications of the integrated geophysical methods for engineering purposes, Aswan, Egypt.

* Projects

1-Monitoring of the seismic activity around the northern part of Lake Nasser for Aswan High Dam stability.
2-Detection of the Egyptian National Seismological Network capability performance, and its contribution in evaluation of the Seismic Hazard in and around Egypt.
3-Monitoring of the explosions (blasts) in mine activities and cement factory, South Egypt.

* Consultancy

Geophysical evaluation of the High Dam Spillway area.

* Supervision of M.Sc. / Ph.D.

1-Two PhD students (Aswan University and South Valley University).
2-One M.sc student (Alazhar University-Assiut branch).

* Books

NA

* Other

1-Member of the European Geosciences Union (EGU).



Aswan Seismological Center

Name: Sameh Mousa Moustafa
Position: Professor Emeritus
Email: samehmousa56@gmail.com
Phone: 01122876278



* **Scientific Publication (National& International)**

NA

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

- ١- ورشة عمل عن دور مركز بحوث الزلازل لخدمة و تنمية المجتمع ٢٠١٩/٦/١٩ Workshop on the role of the Aswan Seismological Research Center for Community Service and Development ٢٠١٩/٦/١٩
- ٢- تطبيقات الطرق الجيوفيزيقية المتكاملة فى الاغراض الهندسية اسوان Applications of integrated geophysical methods for engineering purposes -٣

* **Projects**

- 1-Project of seismic studies, to the stability of the High Dam and monitoring the seismic activity around the North part of the High Dam Lake.
- 2- مراقبة تفجيرات محاجر اسمنت اسوان -Monitor explosions of Aswan cement quarries
- 3- دراسة جيوفيزيقية لمنطقة قنطرة مفيض السد العالى 2019م Geophysical study of the High Dam spill way bridge area 2019

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

M.SC (Hydrogeological study of the area north of Abu Simbel, Aswan, Egypt), ASWAN UNIVERSITY.

* **Books**





المشاركة فى كتاب انجازات مركز بحوث الزلازل بأسوان

* **Other**

NA



Aswan Seismological Center

 Name: Ezzat Mohamed El amin Ahmed
 Position: Researcher
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 Phone: 01122876170



* **Scientific Publication (National& International)**

- Study of the Relationship between Recently Induced Earthquakes and Water Level at the Northwestern Side of Lake Nasser in Aswan Region, Egypt. Kh. A. Omara, *, Ezzat. M. El-Amina, S. A. Dahya, and M. O. Ebraheemb
ISSN 0016-8521, Geotectonics, 2019, Vol.

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

Workshop held by Aswan Regional Earthquakes Research center 2019

* **Projects**

-Supervising the lab in Aswan - Work monthly report - Participated in monitoring, analyzing and making weekly, and annually earthquakes reports

- Participated in monitoring, analyzing and making explosions report for Aswan Cement industry project. - Pa

* **Consultancy**

-Performed and participated in many consultations such as (Cement industry in Aswan.

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

- Involved in the selection and operation of the new seismic stations north high Dam

- Involved in the inspection Committee for the Aswan seismic stations.

- Making Posters, maps for Aswan earthquake research center

- Involvement in most tenders for bu



Aswan Seismological Center

👤 Name: Yassin Mostafa Mahmoud Ali
👛 Position: Professor Emeritus
✉ Email: yassinkalil5858@gmail.com
☎ Phone: 01211444404



* **Scientific Publication (National& International)**

NA

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

- ١- ورشة عمل عن دور مركز بحوث الزلازل لخدمة و تنمية المجتمع ٢٠١٩/٦/١٩
٢٠١٩/٦/١٩ Seismological Research Center for Community Service and Development
٢- تطبيقات الطرق الجيوفيزيائية المتكاملة فى الاغراض الهندسية
Applications of integrated geophysical methods for engineering purposes

* **Projects**

- ١- Project of seismic studies, the of stability of the High Dam and monitoring the seismic activity around the
.North part of the High Dam Lake
٢- مراقبة تفجيرات محاجر اسمنت اسوان - Monitor explosions of Aswan cement quarries
٣- دراسة جيوفيزيائية لمنطقة قنطرة مفيض السد العالى ٢٠١٩م
Geophysical study of the High Dam spill way bridge area ٢٠١٩
٢٠١٩

* **Consultancy**

Consultation for Aswan Cement Companies Project

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

NA



Aswan Seismological Center

👤 Name: Ahmed Hamed Sayed
👛 Position: Researcher Assistant (PhD. Student)
✉ Email: ahmadhamed4@yahoo.com
📞 Phone: 01122841474



* **Scientific Publication (National& International)**

- 1- Application of HVSR technique in the site effects estimation at the south of Marsa Alam city, Egypt
- 2- Soil geotechnical characteristics for seismic risk mitigation at the southern extension of Marsa Alam city Egypt

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

- 1-Workshop held by Aswan regional earthquake center in June 2019
- 2-Workshop in the application of the integrated geophysical methods for engineering purposes.
21 November 2019
- 3-The International Conference on the Geology of Africa (ICGA 2019). Assuit University
19-21 November 2019
- 4-Conference on Sustainable conservation of UNESCO and other heritage sites through proactive geosciences from 10-12 December 2019

* **Projects**

- 1-Monitoring the seismic activity around lake Nasser
- 2-Monitoring the explosions in the queries of Kalabsha cement factory

* **Consultancy**

Geophysical evaluation for spillway bridge - High Dam

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

Annual book for the achievements of the Aswan regional earthquake research center

* **Other**

NA



Aswan Seismological Center

👤 Name: Hamada Saadalla Mahmoud
👔 Position: Researcher Assistant (PhD. Student)
✉ Email: hamada_geologist2010@nriag .sci.eg
📞 Phone: 01120907055



* Scientific Publication (National& International)

- 1.Saadalla, H, Abd el-aal, A.K., Abdelnasser Mohamed, & K. El-Faragawy., (2019). Determination of earthquake source parameters using the inversion of waveform data: A case of small earthquakes around High Dam Lake, Aswan region, Egypt. Journal of African Earth Sciences 151: 403-416.
- 2.Saadalla.H, Abd el-aal, A.K., Abdelnasser Mohamed, & K. El-Faragawy., (2019). Characteristics of earthquakes recorded around the High Dam Lake with comparison to natural earthquakes using waveform inversion and source spectra. Under review (Pure and Applied Geophysics Journal).

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

- 1.The Fourth International Conference on New Horizons in Basic and Applied Sciences. ICNHBAS 26-29 July 2019, Hurghada, Egypt.
- 2.participated in the Aswan center workshop about The role of the Center in serving and developing the community 2019.

* Projects

- 1.Participated in monitoring, analyzing and making weekly, monthly and annually earthquakes reports around High Dam and old Dam during 2019.
- 2.Participated in monitoring, analyzing and making explosions reports for Aswan Cement industry project.
- 3.Participated in Geotechnical studies for Spillway Bridge, Aswan.

* Consultancy

- Performed and participated in many consultations such as (Cement industry in Aswan, El-Nasr Egyptian company for mining, Edfu, Aswan, and High and Old Dams authority)

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

- Participated in processing of seismic, strong motion and piezometers data
- Participated in maintenance of piezometer, Strong motion and seismic networks.
- Enrolled as PhD student at Aswan University from 25/3/2018 till now.
- Involved in the selection and operation of the new seismic stations at the northern side of Aswan High Dam in Aswan region.
- Participated in the scientific and educational visits for Aswan Earthquake Research Center for the students from the Egyptian, Arabian and African universities during 2019.
- Involved in the inspection Committee for the renewed Red Sea seismic stations.
- Making Posters, maps for Aswan earthquake research center
- Involvement in most tenders for buying the equipment required for Aswan earthquakes research center.



Aswan Seismological Center

👤 Name: Sayed Mohamed Ali Hussein Mohamed
👛 Position: Researcher Assistant (PhD. Student)
✉ Email: sayedmohamed9215@nriag.sci.eg
📞 Phone: 01154275308



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

FOURTH INTERNATIONAL CONFERENCE ON NEW HORIZONS IN BASIC AND APPLIED SCIENCE (ICNHBAS - 2019)

* [Projects](#)

- Participated in Geophysical evaluation for the High Dam spillway area.
- Participated in monitoring, analyzing and making explosions reports for Aswan Cement industry project.

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

- Participated in a workshop about Application of the integrated geophysical methods for engineering purposes
- Participated in a workshop about the role of Aswan Earthquake research center in development and community service
- Participated in the processing of seismic, strong motion and piezometers data
- Participated in the maintenance of Strong motion and seismic networks.
- Involved in the selection and operation of the new seismic stations at the the northern side of the Aswan High Dam in the Aswan region.
- Participated in the scientific and educational visits for Aswan Earthquake.



Aswan Seismological Center

👤 Name: Mahmoud Ramadan Hefny Ali
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: mahmoudhefny95@gmail.com
☎ Phone: 01143444220



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Workshop of the role of the Regional Center for Seismic Research in Aswan in community development

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Pre-master's Education



**Egyptian National Data
Center (ENDC)**



Egyptian National Data Center (ENDC)

No	Name	Position	Activity
1	Hesham Hussien Mohamed Moussa	Professor	Active
2	Ahmed Mohsen Ahmed Lethy	Associate Professor	Active
3	Mohamed Nabil M. Elgabry	Associate Professor	Active
4	Mona Hamada Hegazy	Researcher	On leave
5	Hanan Mahmoud Gaber	Researcher	Active
6	Hany Mohamed Hassan	Researcher	Active & On leave
7	Shimaa Hosny Elkholy	Researcher	Active
8	Sayed Abd Elmonem Mekhaimr	Researcher	Active
9	Mona Abdelazim Abdalla Metwally	Researcher Assistant (PhD. Student)	Active
10	Islam Hosny Hemdan	Researcher Assistant (Phd. Student)	PhD. Scholarship & Active
12	Mohamed Makled	Researcher Assistant (Phd. Student)	Active
13	Eman Lotfy	Researcher Assistant (PhD. Student)	On leave
14	Hagar Emad	Researcher Assistant (Phd. Student)	
15	Adel Sami Hassan Othman	Assistant Researcher (M.SC student)	Active
16	Hani Saber Elbehiri	Assistant Researcher (M.SC student)	Active



Egyptian National Data Center (ENDC)

👤 Name: Ahmed Lethy
👔 Position: Associate Professor
✉ Email: ahmedellethy@gmail.com
☎ Phone: 01152656767



* **Scientific Publication (National& International)**

NA

* **Reviews of Papers (National& International)**

Review for Journal of geophysical research and NRIAG Journal of Astronomy and Geophysics

* **Conferences , Scientific Missions & Workshops**

Infrasound Technology Workshop 2019

* **Projects**

Source classification using waveform techniques (ASRT)

* **Consultancy**

CONSULTANCY SERVICES FOR IL MONTE GALALA AIN SOKHNA, VIBRATION ANALYSIS AND SAFETY ZONE FOR IL MONTE GALALA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

On-Site Inspection Training of Trainers Course On-Site Inspection Non-Seismic Geophysical Techniques Course



Egyptian National Data Center (ENDC)

👤 Name: Mohamed Nabil M. Elgabry
👔 Position: Associate Professor
✉ Email: elgabry@nriag.sci.eg
📞 Phone: 01005850033



* Scientific Publication (National & International)

NA

* Reviews of Papers (National & International)

Earth-Science Reviews Journal of African Earth Sciences The Egyptian Journal of Remote Sensing and Space Sciences

* Conferences, Scientific Missions & Workshops

- 39th to 51h meetings of Workgroup B Comprehensive Nuclear Test Ban Treaty Organization CTBTO, Vienna 2012-2019
- The Mining, Petroleum and Metallurgical Engineering (MPM13) conference 25-27 October 2019.
- CTBT Science and Technology conference. Vienna 24-28 June 2019
- 2nd General Assembly for the African Seismological Commission at Al-Hoceima, Morocco from 23-27 April

* Projects

- Estimation of Shear Wave Velocity Profiles Using Ambient Noise Explorations in Nile Delta Region STDF funds 2019-2020. (PI)
- LABYRINTH: Conservation, Analysis and Virtual Reconstruction of Archaeological Site of Hawara Pyramid and Labyrinth (El Fayoum) STDF/AHRC 2019-2021.
- IGCP-659 - Seismic risk assessment in Africa. UNESCO IGCP 2018-2021
- Performance of the Egyptian National Seismological Network Stations based on background noise level, STDF funds. 2017-2019. Co-PI.
- Classification of seismic sources in Egypt. ASRT-Funds. 2017-2019. Co-PI

* Consultancy

- UNESCO Consultant for Atlas of Natural Hazards and Ecosystems in Arab countries, UNESCO Cairo Office 2019
- Active Tectonics and seismic hazard assessment for Central Business District of the New Capital Egypt 2019.
- Vibration Analysis And Safety Zone For Il Monte Galala Sokhna Egypt 2019

* Supervision of M.Sc. / Ph.D.

3 PhD & 2 Master

* Books

NA

* Other

- Member of the Egyptian Geophysical Society.
- Member of the African Geological Society.
- Member of the European Geosciences Union.
- Member of the African Seismological Commission.
- Member of the North African group for earthquake and tsunami.



Egyptian National Data Center (ENDC)

👤 Name: Hanan Mahmoud Gaber
👛 Position: Researcher
✉ Email: hanan_mahmoud86@yahoo.com
📞 Phone: 01125066477



* Scientific Publication (National& International)

1- Seismic hazard maps of Egypt based on Spatially Smoothed Seismicity Model and recent seismotectonic models (under publication in Journal of African Earth Sciences).
2- seismic hazard maps for selected cities along the northwestern coast of Egypt. (under publication in Journal of seismology).

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

I participate at CTBT: Science and Technology 2019 Conference Hofburg Palace, Vienna, Austria 24 to 28 June 2019 with poster at title of "Sensitivity analysis and disaggregation of recent seismic hazard assessment in Egypt."

* Projects

I participate at project of Infrasound technology

* Consultancy

NA

* Supervision of M.Sc. / Ph.D.

NA

* Books





NA

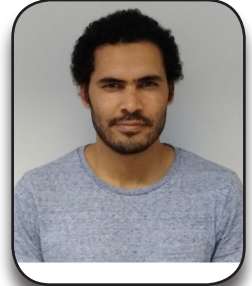
* Other

NA



Egyptian National Data Center (ENDC)

 Name: Hany Mohammed Hassan ElSayed
 Position: Researcher
 Email: hany_hassan@nriag.sci.eg
 Phone: 393342592338



* [Scientific Publication \(National& International\)](#)

Gorshkov, A. I., Hassan, H. M., & Novikova, O. V. (2019). Seismogenic Nodes ($M \geq 5.0$) in Northeast Egypt and Implications for Seismic Hazard Assessment. *Pure and Applied Geophysics*, 176(2), 593-610. ElGabry, M. N., Hussein, H. M., Abdelazim, M., Othman, A. S., Hosny, S., & Hassan, H. M. (2019). Seismological Aspects of December 31, 2018, Cairo-Suez Event. arXiv preprint arXiv:1902.10753.

* [Reviews of Papers \(National& International\)](#)

Pure and Applied Geophysics; Engineering Geology; Earth-Science Reviews; NRIAG

* [Conferences , Scientific Missions & Workshops](#)

Advanced Workshop on Earthquake Fault Mechanics: Theory, Simulation and Observations | (smr 3319) Address: Via Grignano, 9 I - 34151 Trieste (Italy)

* [Projects](#)

Estimation of Shear Wave Velocity Profiles Using Ambient Noise Explorations in Nile Delta Region, STDF

* [Consultancy](#)

• Seismic Hazard Assessment for a planned high rise tower in the New Capital of Egypt. 2019

* [Supervision of M.Sc. / Ph.D.](#)

1 M.Sc

* [Books](#)

NA

* [Other](#)

NA



Egyptian National Data Center (ENDC)

👤 Name: Shimaa Hosny Elkholy
👛 Position: Researcher
✉ Email: shimaa_elkholy84@yahoo.com
📞 Phone: 01028457363



* **Scientific Publication (National& International)**

NA

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

- 1- Egyptian Geophysical Society Conference(EGS) with presentation untitled 'Seismic and Infrasound Analysis of the North Korean Nuclear explosion of 3 september 2017' in March 2019
- 2- Science and Technology Conference In Vienna (SNT) with poster untitled Discrimination between earthquakes and explosions in June 2019
- 3- Workshop in Vienna about Seiscomp3 program in May 2019

* **Projects**

Source Classification using waveform techniques

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

I finished PHD degree in July 2019 untitled Discrimination between earthquakes and explosions



Egyptian National Data Center (ENDC)

👤 Name: Sayed Mekhaimr
👔 Position: Researcher
✉ Email: sayedmekhaimr@gmail.com
📞 Phone: 01221546080



* **[Scientific Publication \(National& International\)](#)**

Sources of uncertainty in atmospheric dispersion modeling in support of Comprehensive Nuclear–Test–Ban Treaty monitoring and verification system <https://www.sciencedirect.com/science/article/abs/pii/S1309104218307396>

* **[Reviews of Papers \(National& International\)](#)**

NA

* **[Conferences , Scientific Missions & Workshops](#)**

CTBT: Science and Technology 2019 Conference, Vienna, Austria, 24-28 June 2019

* **[Projects](#)**

NA

* **[Consultancy](#)**

NA

* **[Supervision of M.Sc. / Ph.D.](#)**

NA

* **[Books](#)**

NA

* **[Other](#)**

NA



Egyptian National Data Center (ENDC)

👤 Name: Mona Abdelazim Abdalla Metwally
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: mony_abdo2010@yahoo.com
☎ Phone: 01005564256



* **Scientific Publication (National& International)**

seismological aspects of december 31,2018 cairo-Suez event(under publication)

* **Reviews of Papers (National& International)**

NA

* **Conferences , Scientific Missions & Workshops**

1-I participate at CTBT: Science and Technology 2019 Conference Hofburg Palace, Vienna, Austria 24 to 28 June 2019with poster at title of (updating the Egyptian earthquake source parameters database).

2- I participate at Egyptian geophysical society conference (earthquake mechanism in Egypt)

* **Projects**

I participate at project of Infrasonnd technology

* **Consultancy**

NA

* **Supervision of M.Sc. / Ph.D.**

NA

* **Books**

NA

* **Other**

NA



Egyptian National Data Center (ENDC)

👤 Name: Islam Hosni Hemdan Eldesouki Hamama
📁 Position: Researcher Assistant (PhD. Student)
✉ Email: islam.hamama@nriag.sci.eg
☎ Phone: 01012314549



* [Scientific Publication \(National& International\)](#)

NA

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

Japan April [EJEP], Japan Geoscience Union Meeting[May],The 7th International Symposium on Frontier Technology[Aug.], Raising Tsunami Awareness, Reducing Tsunami Risk: Sharing Tohoku-Aceh Experience, Knowledge and Culture [Nov],World BOSAI Forum [Nov]

* [Projects](#)

NA

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

NA



Egyptian National Data Center (ENDC)

 Name: Mohamed Salah Maklad
 Position: Researcher Assistant (Ph.D Student)
 Email: maklad@nriag.sci.eg
 Phone: +201093982298



* [Scientific Publication \(National& International\)](#)

Site Characterization in Ismailia City, Egypt Using Seismic Ambient Noise Arrays (Under Review)

* [Reviews of Papers \(National& International\)](#)

NA

* [Conferences , Scientific Missions & Workshops](#)

1-NDC Capacity building: NDC Waveform Analyst Training Course, On November 2019, organized by CTBTO, Vienna, Austria.

2-NDC Waveform Training Course Using SeisComp3, on November, 2019, organized by CTBTO, Vienna, Austria.

3-Participation in the Egyptian Geophysical Society (EGS) Annual Conference on March, 2019, in Maadi Towers, Cairo, with an oral Presentation for the scientific research entitled “Estimation of Shear Wave Velocity Structures in Ismailia City, Egypt Using Microtremor Array Explorations”.

* [Projects](#)

1- Estimation of shear wave velocity profiles using Ambient Noise Exploration in Nile Delta, Egypt.

2-Source classification using waveform techniques (ASRT)

* [Consultancy](#)

Performed and participated in many consultations.

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Leader of the Working Group for Young African Seismologists of African Seismological Commission (AFSC).



Egyptian National Data Center (ENDC)

👤 Name: Adel Sami Hassan Othman
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: Adelsamy30@yahoo.com
📞 Phone: 01096541121



* Scientific Publication (National& International)

- 1- A. S. Othman , M. N. ELGabry , H. M. Hussein , I. M. Korrat , E. M. ELBagy , H. E. AbdelHafiez (2019) ,The Relation between Seismic Local Magnitude and Charge Weight for Quarry Explosions in Egypt, Mansoura Journal of Geology.
- 2- Seismological Aspects of December 31, 2018, Cairo-Suez Event (under publication).

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

- 1- EGS International Conference and the 34th Annual Meeting, Cairo, Egypt–March19th ,2019 ,Holiday Inn Cairo Maadi Towers. Oral Presentation (Discrimination between Shallow Earthquakes and Quarry Explosions in Northern Egypt).
- 2- CTBT Science and Technology 2019 Conference from 24 to 28 June ,2019 at Hofburg Palace, Vienna, Austria. Poster title(Spectral Discrimination between Earthquakes and Explosions in Egypt).

* Projects

- 1- The bilateral project between NRIAG and University of Trieste, Italy entitled “Advanced seismic hazard assessment in the Nile Delta, including site effects from distant earthquakes.
- 2- Source Classification using Waveform Techniques, ASRT.
- 3- Estimation of shear wave velocity profiles using Ambient Noise Exploration in Nile Delta, Egypt.

* Consultancy

Performed and participated in many consultations.

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

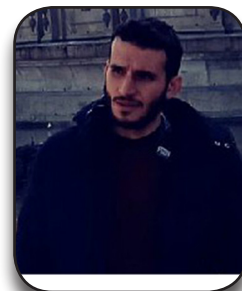
* Other

NA



Egyptian National Data Center (ENDC)

👤 Name: Hani Saber Elbehiri
📁 Position: Assistant Researcher (MSc. Student)
✉ Email: hanyasaber369@gmail.com
📞 Phone: 01092984170



* Scientific Publication (National& International)

NA

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

- 2 weeks scientific mission at Comprehensive Test Ban Treaty Organization (CTBTO) Training Course entitled(Training Course on NDC Capacity Building: Access and Analysis of Waveform IMS Data and IDC Products) holed on Vienna, Austria from 11 to 22 Februarys 2019
- 1 week scientific Workshop entitled (Infrasound technology workshop 2019) holed in Jordan from 9 -15 November 2019

* Projects

- Advanced Seismic Hazard Assessment in the Nile Delta, Including Site Effects from Distant Earthquakes, Mobility Project, STDF.
- Source Classification using waveform techniques, ASRT.

* Consultancy

Performed and participated as an active member in many consultations

* Supervision of M.Sc. / Ph.D.

NA

* Books

NA

* Other

- Member in CTBTO , And ENDC - Attendance the Lab meetings.
- Member of ICTP, North African Group For Earthquakes And Tsunami studies(NAGET Member)
- Help in all department issues