



4- Astronomy Department

4-1 Galactic & External Galaxies Laboratory

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* 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