

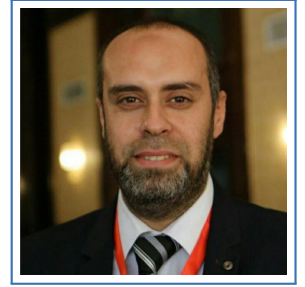
# Ahmed Shokry Elshaer

## Curriculum Vitae

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## Education

- 2012–2017 **PhD**, Al-Azhar University, Cairo , (Egypt).
- 2008–2011 **Master degree**, Al-Azhar University, Cairo , (Egypt).
- 2007–2008 **Pre M.Sc: Astronomy**, Astronomy departmaent, scince college, Al-Azhar University, Cairo , (Egypt).
- 2002–2005 **Bachelor of Science in Astronomy**, Astronomy departmaent, scince college, AL-Azhar University, Cairo , (Egypt).

## WORK EXPERIENCE

- 2023–Present **Associate Professor**, NATIONAL RESEARCH INSTITUTE OF ASTRONOMY AND GEOPHYSICS (NRIAG), HELWAN (EGYPT).
- 2018–2023 **Researcher** , NATIONAL RESEARCH INSTITUTE OF ASTRONOMY AND GEOPHYSICS (NRIAG), HELWAN (EGYPT).
- 2011–2018 **Assistant Research**, NATIONAL RESEARCH INSTITUTE OF ASTRONOMY AND GEOPHYSICS (NRIAG), HELWAN (EGYPT).
- 2006–2011 **Research Assistant**, NATIONAL RESEARCH INSTITUTE OF ASTRONOMY AND GEOPHYSICS (NRIAG), HELWAN (EGYPT).

## Communication skills

- Good verbal and written communication skills both in an office environment and with external stakeholders.
- Experienced at giving presentations to large audiences.

## Job related SKILLS

- Have an excellent experience in using a 74-inch Telescope and Celestron 14-inch at Kottamia Observatory, Cairo, Egypt.
- 4 Nights of observations on 2M Onderjov telescope ( Onderjov, Czech).
- 6 Nights of observations on UT2 /VLT telescope (ESO,Paranal, Chile).
- 5 Nights of observations on 2.2 telescope ( ESO. La silla, Chile).
- Good experience with data analysis and reduction of CCD observations.

## Research interests

- Astronomy
- Astrophysics
- Variable stars
- Hot massive stars
- Model atmosphere
- Stellar evolution
- Photometric and spectroscopic observations

## Computer Skills

Editors	OFFICE, LATEX
Operating Systems	Windows, Linux, Android
Software	MATLAB, PYTHON
Astronomical Software	IRAF, PHOEP CODE, WD CODE, BINARY MAKER

## Language

Arabic	<b>Mother tongue(s)</b>
English	<b>Good</b>

## Teaching

- Teaching general astronomy course to students of the Education College, Helwan University
- Teaching stellar astronomy to students of the Science College, Helwan University
- Training and lectures students of Science College from Al-Azhar and Cairo University in Kottamia observatory
- Many general astronomy lectures for the astronomy audience

## Conferences

- The 1<sup>st</sup> Arab Conference on Astronomy and Geophysics.
- The 2<sup>nd</sup> Arab Conference on Astronomy and Geophysics.
- The 3<sup>rd</sup> Arab Conference on Astronomy and Geophysics.
- The Arab Conference on Astronomy and Geophysics, ACAG 7<sup>th</sup>
- Sixth Middle-East and Africa Regional IAU Meeting (MEARIM VI)
- The Arab Conference on Astronomy and Geophysics, ACAG 8<sup>th</sup>

## Scientific missions

- Two weeks in Ondrejov observatory Czech Republic, scientific visiting ( 2014)
- One year in ESO (European Southern Observatory), Chile. Scholarship (2015).
- Two weeks in Oukaimeden Observatory Morocco (2022)

## Astronomical schools

- ESO/NEON observing school at La silla observatory (2015).
- The current and future observing facilities: a guided tour, Advanced school (Belgrade 2018)
- ISYA2018, Cairo / Kottamia Ob Egypt (Organizer) (2018)
- The Fourth Arab School of Astrophysics, Egypt (Trainer ) (2019)
- First Advanced ArAS School for Astrophysics, Egypt (lecturer) (2020)
- Second Advanced ArAS School for Astrophysics, Egypt (lecturer) (2022)
- Sixth Oukaimeden International School for Astrophysics (lecturer) (OISA 2022)

## Discoveries (New Stars In AAVSO)

- KAO-EGYPT J225702.44+523222.1
- KAO-EGYPT J222516.76+362017.8
- KAO-EGYPT J200107.70+054221.6

## Projects

- 2022–2024 **(ASRT)** , *Study of blazar jets through optical microvariability based on coordinated astronomical observations in Bulgaria and Egypt.*
- 2021–2024 **(STDF)**, *Observing and studying astronomical transient phenomena using the Kottamia Astronomical Telescope.*
- 2021–2024 **(ASRT)** , *Investigation the Spectral and Photometric Behavior of Cataclysmic Variables in Multi Wave lengths.*

## membership

- Honour membership of International Astronomical Union (IAU)
- Astronomical Society for Astronomy and Space Science

## Bibliographical Production

- Total Articles: 24
- Total Citation: 88
- H-Index: 4

## Publication

1. M. Abdel-Sabour, M. I. Nouh et al., 2024, First Photometric Analysis of the two EW Binaries ZTF J214226.88+435827.1 and KAO-EGYPT J214216.38+440015.1, *New Astronomy*, 105, 102100.
2. El-Depsey, M.H., Hendy, Y.H.M., Shokry, A., Abdelbar, A.M., Beheary, M.M. Study of solar neighborhood open cluster NGC 6475 and 11 possible members B-type stars. (2023). *Journal of Astrophysics and Astronomy*, 44, 65.
3. Kann, D.A., Agayeva, S., Aivazyán, V., Alishov, S., Andrade, C.M., Antier, S., Baransky, Fouad, Shokry, Takey, A., Tillayev, Y., et. al. GRANDMA and HXMT Observations of GRB 221009A: The Standard Luminosity Afterglow of a Hyperluminous Gamma-Ray Burst. In *Gedenken an David Alexander Kann* (2023). *Astrophysical Journal Letters*, 948, 12.
4. El-Depsey, M.H., Shokry, A., Hendy, Y.H.M., Abdelbar, A.M., Beheary, M.M. Analysis of the B-stars in field of the solar neighborhood young open cluster IC 2391 using UVES spectra and Gaia DR3. (2023) *New Astronomy*, 100, 101988.
5. Nouh, M.I., Abdel-Sabour, M., Shokry, A., Hamed, G.M., Fouda, D.A., Takey, A. Spectroscopic and photometric study of the new  $\delta$  Scuti star ASAS J063309+1810.8. (2023) *New Astronomy*, 98, 101898
6. Abdel-Sabour, M., Nouh, M.I., Shokry, A., Hamed, G.M., Ismail, H.A., Takey, A., Ata, S.A., Zead, I. Photometric and Spectroscopic Analysis of the SX Phe Star BL Cam, (2022). *Astrophysics*, 65 (4), pp. 456-469.
7. Shokry, A., Nouh, M.I., Saad, S.M., Helmy, I. Fundamental parameters of some B-type stars using NOAO Indo-U.S. Library. (2022) *New Astronomy*, 93, 101780
8. Abdelaziz, A.E., Saad, S.M., Hendy, Y.H.M., Shokry, A., Kamal, F.Y. An astrometric and photometric study of the young open cluster NGC 2168 and its possible member [NBN2015]77. (2022) *New Astronomy*, 92, 101727
9. Azzam, Y.A., Elnagahy, F.I.Y., Ali, G.B., Essam, A., Saad, S., Ismail, H., Zead, I., Ahmed, N.M., Yoshida, M., Kawabata, K.S., Akitaya, H., Shokry, A., Hendy, Y.H.M., Takey, A., Hamed, G.M., Mack, P. Kottamia Faint Imaging Spectro-Polarimeter (KFISP): opto-mechanical design, software control and performance analysis. (2022) *Experimental Astronomy*, 53 (1), pp. 45-70.
10. Helmy, I., Hamdy, A., Eid, D., Shokry, A. Autofocusing Optimal Search Algorithm for a Telescope System. (2021) *Journal of Astronomical Instrumentation*, 10, 2150012
11. Saad, S.M., Nouh, M.I., Shokry, A., Zead, I. A study of the time variability and line profile variations of  $\delta$  Dra. (2021) *Revista Mexicana de Astronomia y Astrofisica*, 57 (1), pp. 91-105.
12. Shokry, A., Zead, I.Z., El-Depsey, M.H., Darwish, M.S., Hassan, I.A., Shaltout, A.M.K., Saad, M.S., Nouh, M.I. New CCD photometry and light curve analysis of two WUMa Binaries: 1SWASP J133417.80+394314.4 and V2790 Orion. (2020) *New Astronomy*, 80, 101400
13. Azzam, Y.A., Ali, G.B., Elnagahy, F.I.Y., Zead, I., Ahmed, N.M., Ismail, H., Saad, S., Shokry, A., Takey, A., Hendy, Y.H.M., Mack, P., Yoshida, M., Kawabata, K.S., Akitaya, H., Darwish, M.S., Fouad, A.M., Helmy, I., Ismail, M., Elsayed, D., Ali, O., Abdel-Sabour, M., Molham, M., Haroon, A.A., Osman, A.M.I., Hamdy, M., Issa, I.A., Abo-Elala, M.S., Essam, A. (KFISP) Kottamia Faint Imaging Spectro-Polarimeter: Opto-mechanical design and performance analysis. (2020). *Proceedings of SPIE – The International Society for Optical Engineering*, 11447

14. Abdelaziz, A.E., Hendy, Y.H.M., Shokry, A., Saad, S.M., Kamal, F.Y., Edris, K.A. An astrometric and photometric study of the intermediate-age open cluster ngc 2158 and its eclipsing binary [nbn2015j78 (2020). *Revista Mexicana de Astronomia y Astrofisica*, 56 (2), pp. 245-257.
15. Abdel-Sabour, M., Shokry, A., Ibrahim, A. Analysis of a short periodic pulsator: Sx phoenicis star XX cyg. (2020). *Revista Mexicana de Astronomia y Astrofisica*, 56 (2), pp. 287-294.
16. Dias, B., Araya, I., Nogueira-Cavalcante, J.P., Saker, L., Shokry, A. Breaking the dichotomy between typical and anomalous globular clusters: The case of NGC 3201. (2019) *Proceedings of the International Astronomical Union*, 14 (351), pp. 293-296.
17. Dias, B., Araya, I., Nogueira-Cavalcante, J.P., Saker, L., Shokry, A. Galactic or extragalactic chemical tagging for NGC 3201?: Discovery of an anomalous CN-CH relation. (2018) *Astronomy and Astrophysics*, 614, 146.
18. Shokry, A., Saad, S.M., Hamdy, M.A., Beheary, M.M., Abolazm, M.S., Gadallah, K.A., El-Depsey, M.H., Al-Gazzar, M.S. Photometric study of two eclipsing binary stars: Light curve analysis and system parameters for GU CMa and SWASP J011732.10+525204.9. (2018) *New Astronomy*, 59, pp. 8-13.
19. Shokry, A., Rivinius, T., Mehner, A., Martayan, C., Hummel, W., Townsend, R.H.D., MÅrland, A., Mota, B., Faes, D.M., Hamdy, M.A., Beheary, M.M., K Gadallah, K.A., Abo-Elazm, M.S. Stellar parameters of Be stars observed with X-shooter. (2018) *Astronomy and Astrophysics*, 609, 108.
20. El-Depsey, M.H., Abo-Alazm, M.S., Saad, M.S., Hassan, I.A., Shaltout, A.M.K., Zeid, I., Shokry, A., Darwish, M. VRI photometry and light curve analysis of short period W UMa-Type 1SWASP J222514.69+361643.0. (2017) *New Astronomy*, 56, pp. 50-53.
21. Shokry, A., Darwish, M.S., Saad, S.M., Eldepsy, M., Zead, I. Kottamia 74-inch telescope discovery of the new eclipsing binary KAO-EGYPT J225702.44+523222.1.: First CCD photometry and light curve analysis. (2017) *New Astronomy*, 55, pp. 27-31.
22. Darwish, M.S., Shokry, A., Saad, S.M., El-Sadek, M.A., Essam, A., Ismail, M. Kottamia 74-inch telescope discovery of the new eclipsing binary 2MASS J20004638 + 0547475.: First CCD photometry and light curve analysis.(2017) *New Astronomy*, 53, pp. 35-38.
23. Darwish, M.S., Saad, M.S., Hanna, M.A., Nasser, M.A., Hamdy, M.A., Beheary, M.M., Gadallah, K.A., Shokry, A. New CCD photometry of the eclipsing binary system V1067 Her. (2017) *New Astronomy*, 50, pp. 12-18.
24. Elkhateeb, M.M., Saad, S.M., Nouh, M.I., Shokry, A. Photometric study of the newly discovered short period eclipsing binary 1SWASP J133105.91 + 121538.0. (2014) *New Astronomy*, 28, pp. 85-90.