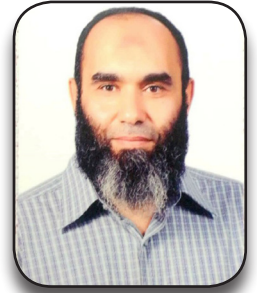




## 4- Astronomy Department

### 4-2 Stellar Laboratory

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

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