



5- Solar and Space Research Department

5-1 Solar Research Laboratory

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* 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.