



5- Solar and Space Research Department

5-2 Space Research Laboratory

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* 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