



5- Solar and Space Research Department

5-1 Solar Research Laboratory

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* Scientific Publication (National & International)

- [1] Ahmed E. Ghitas and M. Hasan Ghoniem, «The artistic heritage in aesthetic design for Solar Energy Systems», the 7th International Conference of Arab Scientists Forum on “Scientific Research and Sustainable Development In Arab Countries and Facing the Challenges, 6-9 April 2019.
- [2] Ahmed E. Ghitas and M. Hasan Ghoniem, «Designing of the Solar Cell Modules for Models of Logos Inspired by the Egyptian Heritage», the 8th International Scientific Conference Organized by the Faculty of Art Education, Helwan University, 22-24 April 2019.
- [3] Mohamed Shaban, Ahmed Ghitas, M.Y. El Zayat, Fatma Abd Elwahab, «Efficient and recyclable photocatalytic degradation of methylene blue dye in aqueous solutions using nanostructured Cd1-xCoxS films of different doping levels», under publishing in Materials Science in Semiconductor Processing, October 2019.
- [4] Ahmed E. Ghitas, «Presentation on Egypt-based research in solar cell technologies and local applications», Rap Session RECO, IEEE Conference on Power Electronics and Renewable Energy 23-25 October 2019.
- [5] F. M. El-Hossary, Ahmed Ghitas, A. M. Abd El-Rahman, A. A. Ebnalwaled, Mohammed. H. Fawey, M. Abdelhamid Shahat, «Enhancement of Adhesion Force and Surface Resistivity of Graphene Oxide Films Using Different Solvents», The 33rd Eg-MRS International Conference 27-30 November 2019.

* Reviews of Papers (National & International)

- 1- NRIAG Journal of Astronomy and Geophysics, Publisher: Elsevier
- 2- Journal of Applied Energy, Publisher: Elsevier.
- 3- Environmental Engineering and Management Journal, Publisher: Elsevier.
- 4- World Renewable Energy Congress – Sweden.

* Conferences, Scientific Missions & Workshops

- The 7th International Conference of Arab Scientists Forum on “Scientific Research and Sustainable Development In Arab Countries and Facing the Challenges, 6-9 April 2019.
- The 8th International Scientific Conference Organized by the Faculty of Art Education, Helwan University, 22-24 April 2019.
- IEEE Conference on Power Electronics and Renewable Energy 23-25 October, Aswan, 2019.
- The 33rd Eg-MRS International Conference Hurgada 27-30 November 2019.

* Projects

- 1- Principal Investigator PI of the project “Solar Energy Conditioning Windows” funded by Academy of Scientific Research and Technology, 2018-2019.
- 2- Principal Investigator PI of the project “Novel Nano-LiBr based Solar PVT Technology for Poly-generation (NoNSToP)” funded by Science and Technology Development Fund STDF, 2019-2020.

* Consultancy

- Manage and supervise all the consultation of the Solar Research Lab. during 2019.
- Technical Consultant and trainer of solaracil academy (www.academy.solaracil.com).

* Supervision of M.Sc. / Ph.D.

Master Degree:-

- Fatma Abd Elwahab - Faculty of Science - Fayoum University, Thesis title: “Fabrication and Characterization of Nanostructured Thin Films for Solar Energy Applications”.