



Ghada Abd El Reda Gad El Kareim

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Personal information

Nationality Egyptian
Marital Status Married
Date, Place of birth 26-12-1991, Assiut, Egypt
Gender Female

Education and training

Faculty of Science, Assiut University, Egypt M.Sc. in Biophysics (2015-2020)
Faculty of Science, Assiut University, Egypt Diploma courses in Physics; (2013-2014)
Faculty of Science, Assiut University, Egypt Bachelor of science (Physics); (2008 – 2012)

Work experience

Physics Department Faculty of Science, Assiut University, Egypt Assistant lecturer in Physics Department (1. Assist in teaching physics experiments in labs for undergraduate students. 2. Study in biophysics; from 5/2020 until now)
Physics Department Faculty of Science, Assiut University, Egypt Demonstrator in Physics Department (1. Assist in teaching physics experiments in labs for undergraduate students. 2. Study in biophysics; from 2/2013 to 5/2020)

Personal skills and competences

language(s) Arabic, English, and German
Computer skills and competences Microsoft Office (ICDL), Prism statistical software, Geometry composer
Technical skills and competences Physics lab skills: High pure germanium, Scintillation, Geiger counter, connect electric circuits.
Animal experiments skills: Experimental designing, data and blood sample collection from rat and mouse and their handling, rock samples collection, Elisa, PCr, western blot, statistical analysis by one-way Anova using prism, writing scientific articles and publications, oral presentation

Scientific Memberships

The zoological society A. R. Egypt

Research Interests

Biophysics, Radiation, NanoPhysics
Atomic and Molecular Physics

Publication

- 1- **Abd El-Reda, G.**, El-Gamal, H., Badr, G., & Farid, M. E.-A. (2019). Estimation of natural radionuclides of the rocks of abu khuruq ring complex, Egypt. *Assiut Univ. J. of Physics*, 48 (2), 70–87.
- 2- Badr, G., **Abdel El-Reda, G.**, El-Gamal, H., & Farid, M. E. A. (2020). Exposure to radioactive rocks from the Egyptian eastern desert attenuates the efficiency of the immune organs and induces apoptosis of blood lymphocytes in rat model. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-019-07572-y>
- 3- Mohammed, A., Hamdy, H., **Abdel El-Reda, G.**, Seliman, M., & Mahmoud, U. (2020). Effect of zinc oxide nanoparticles on anxiety-related behaviors in male rats. *SVU-International Journal of Veterinary Sciences*, 3(1), 123–132. <https://doi.org/10.21608/svu.2020.22360.1041>
- 4- Usama T. Mahmoud, Madeha H.A. Darwish, Fatma Abo Zakaib Ali, Omar A. Amen, Manal A.M. Mahmoud, Omar B. Ahmed, **Ghada Abd El-Reda**, Mohamed A. Osman, Aly A. Othman, Mostafa F.N. Abushahba & Ramadan D. El Shoukary (2021) Zinc Oxide Nanoparticles Prevents Multidrug Resistant Staphylococcus-Induced Footpad Dermatitis in Broilers, *Avian Pathology*, DOI: [10.1080/03079457.2021.1875123](https://doi.org/10.1080/03079457.2021.1875123)

Conference Proceedings “Oral Presentation”

Abd El-Reda, G., Badr, G., El-Gamal, H., & Farid, M. E.-A. the effect of gamma radiation on the pro-inflammatory signals, oxidative stress and histopathological alteration in some immune organs in a rat model. The 13th scientific conference of the zoological society A. R. Egypt; 14-15/10/2017. Faculty of Science- Beni-Suef University, Egypt

Training and Workshops

Teacher preparation course. Training Section of the General Administration of Graduate Studies and Research .Assiut university 7-10 January 2020. (online)

Publication of research in international journals. Faculty and leadership development center (FLDC), Assiut university, Egypt (5-7 July 2020). (online)

Conference organization. Faculty and leadership development center (FLDC), Assiut university, Egypt (5-7 July 2020). (online)

Quality standards in teaching. Faculty and leadership development center (FLDC), Assiut university, Egypt (5-7 July 2020). (online)

3D Virtual labs. The laboratory and scientific equipment unit at South valley university (25 April 2020).

Statistical analysis in scientific research. Faculty and leadership development center (FLDC), Assiut university, Egypt (1-2 June 2016).

The use of radioactive sources, radioactive materials and the protection from the dangers of ionizing radiation - (university level) - Egyptian Atomic Energy Authority (10 January to 15 February 2016)

Financial and legal aspects of university business. Faculty and leadership development center (FLDC), Assiut university, Egypt (7-8 January 2014).

Communication skills in different styles of education. Faculty and leadership development center (FLDC), Assiut university, Egypt (11-13 January 2014).

Ethics of scientific research. Faculty and leadership development center (FLDC), Assiut university, Egypt (15-17 June 2013).

How to write a competitive research project. Faculty and leadership development center (FLDC), Assiut university, Egypt (22-24 June 2013).

References

Prof. Gamal Gamal Abdelraouf Badr

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