

**1. Name: Mohammed Said Mohammed Mohammed Abu-Elmagd** , Assistant Professor, Department of Physics and Mathematical engineering

**2. Degrees:**

- B.S. (Physics) Helwan University, Cairo, Egypt 1998
- M.S. (Nuclear Physics) Helwan University, Cairo, Egypt 2005
- Ph.D. (Theoretical Physics) Damietta University, Damietta, Egypt 2013

**3. Years of Service on Faculty: 12**

- 2013 - Present Assistant Professor

**4. Other Experience:**

- 2014-date: Part time, Assistant Professor, Faculty of science, Helwan University, Cairo, Egypt.

**5. Consulting Activities (selected)**

- None

**6. States in which registered:**

- Cairo, Egypt.

**7. Principal publications of last 5 years (selected):**

- "Molecular dynamics simulation of phosphatidylcholine membrane in low ionic strengths of sodium chlorid", February 2023, Journal of Biomolecular Structure and Dynamics, Wissam Mahmoud Abdel-Gawad, Mahmoud Abdelmohsen, Mohamed H. Gaber, Mohammed Said M. Abu Elmagd.
- "Magnetocaloric effect, magnetothermal and elastic properties of  $\text{SmFe}_3$  and  $\text{ErFe}_3$  compounds", May 2024, Indian Journal of Physics, Fatema Z. Mohammad, Ahmed Abdel-Kader, Tarek Hammad, Mohammed Said M. Abu Elmagd.
- "Investigation of production of neutral Higgs boson and two charged charginos from electron-positron annihilation via different propagators", June 2023, Arab J. Nucl. Sci. Appl., Vol. 56, 5, 27-40, Sara Abdelrady Hassan, Asmaa.A. A, Sherif Yehia, M.M. Ahmed and Mohammed Said Mohammed Abu-Elmagd.
- "First principles and mean field study on the magnetocaloric effect of  $\text{YFe}_3$  and  $\text{HoFe}_3$  compounds", February 2023, Scientific Reports, Mohammed Said M. Abu Elmagd, Tarek Hammad, Ahmed Abdel-Kader, Fatema Z. Mohammad.

**8. Scientific and professional societies of which a member**

- Egyptian syndicate of scientific professions.

**9. Honors and awards:**

- None.

**10. Institutional & professional service in last 5 years:**

- None.

**11. Professional Development Activities in the last 5 years:**

None.