

Curriculum Vitae

Moataz Gamal Mohammed Fayed

(Assistant Lecturer)

Mining & Metals Department,

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Educational Qualifications and Research Experience:

April, 2013 – May, 2015

M.Sc. Candidate,

Chemistry Department, Faculty of Science, Menoufia University

August, 2015–till date

Lecturer assistant, Mining & Metals Department,

Tabbin Institute for Metallurgical Studies, (TIMS).

Tabbin, Helwan, Egypt.

Academic Record:

<i>Degree</i>	<i>Subject taken</i>	<i>Board/College/University</i>	<i>Duration</i>	<i>%Marks</i>
B. Sc.	Chemistry	Chemistry Department, Faculty of Science, Menoufia University	2004-2008	82.91
M. Sc.	Inorganic chemistry	Chemistry Department, Faculty of Science, Menoufia University	2013-2015	Awarded

- **Title of the Master Thesis:** “Synthesis and characterization of nanostructure Mg-MnFe₂O₄ powders”

Current Research Interest:

- Synthesis and application of magnetic metal oxides nanostructures in sensors and antennas.
- Synthesis and application of metal oxides nanostructures in Li-ion battery, and supercapacitors.

Research and Technical Skills:

- Experienced in the synthesis of metal oxide nanostructures using different synthetic procedure.
- Skilled in the characterization by AA-Spectrophotometer, Eltra CS 2000 Carbon/Sulfur Determinator, ARL QuantoDesk Optical Emission Spectrometer, XRD, SEM and VSM.

List of Publications

- M.M.Rashad, **M.G.Fayed**, T.M.Sami, E.E.El-Shereafy “Structural, microstructure and magnetic properties of superparamagnetic $Mn_xMg_{1-x}Fe_2O_4$ powders synthesized by sol–gel auto-combustion method”. *J. Mater. Sci: Mater Electron* (2015) 26:1259–1267.
 - M.M.Rashad, A. Khalifa, D. A. Rayan, **M.G.Fayed**, “Superparamagnetic Cu^{2+} substituted $Mn-MgFe_2O_4$ powders prepared through co-precipitation strategy: structural, microstructure and magnetic properties” *J. Mater. Sci: Mater Electron* (2018) 29:3391–3400
 - Ahmed Mourtada Elseman, **Moataz G. Fayed**, Saad G. Mohamed, Diaa A. Rayan, Nageh. K. Allam, Mohamed M. Rashad, Qun Liang Song “A novel composite $CSs@CoFe_2O_4$ as electrode by easy one-step solvothermal for enhancing the electrochemical performance of hybrid supercapacitors” *ChemElectroChem* 2020, 7, 526 – 534
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