

Fouad Mandoorr

	Name: Fouad Gomaa Fouad Elmetwaly Mandoor
	Academic Rank: Assistant Professor
	Specific Major: Physical Chemistry
	Research Interest: Synthesis , Characterization and Effect of γ -ray, Fast Neutron Flux and Thermo Neutron on Doped Nano Lithium Manganates
	Office :
Qualifications:	<i>BSc</i> , Tanta University, Chemistry Dep., Faculty of Science , <i>MSc</i> , “ Synthesis and Physico – Chemical Properties of Li – Mn – O Spinels as Cathode for Rechargeable Batteries ”, Tanta University, Chemistry Dep., Faculty of Science,2008 <i>PhD</i> , “ Synthesis , Characterization and Effect of γ -ray, FastNeutron Flux and Thermo Neutron on Doped Nano Lithium Manganates . . , Tanta University ”,2013
Address:	Address :1- Met Elath , El-Mehala Elkobra, Gharbia , Chemistry Dep. Faculty of science Tanta University Egypt . 2- Chemistry Dep. Faculty of Science, Jazan University, KSA. Tel: 002/01012006046 –00966/0501872748- Fax: PO Box: E-mail: fouadmandoor@yahoo.com
Detailed CV	<p style="text-align: center;"><u>EDUCATION:</u></p> <p>1-<i>Ph.D.</i> <i>Physical Chemistry , 2013</i> Title: “ Synthesis , Characterization and Effect of γ -ray, Fast Neutron Flux Neutro and Thermo neutron on Doped Nano Lithium Manganates”.</p> <p>2-<i>M.Sc.</i> <i>Physical Chemistry , November 2008</i> Title: “Synthesis and Physico – Chemical Properties of Li – Mn – O Spinels as Cathode for Rechargeable Batteries” <i>Faculty of Science, Tanta University, Egypt.</i></p> <p>3- <i>B.Sc.</i> <i>Chemistry, May</i> <i>Faculty of Science, Tanta University, Egypt.</i></p> <p style="text-align: center;"><u>FACULTY POSITIONS HELD:</u></p> <p>1- Instructor at Chemistry department, faculty of science Jazan University, since September 2011 till now.</p> <p>2- Instructor at faculty of engineering, Tanta university, 2008- 2011 .</p> <p>3-demonstator at faculty of engineering, Tanta University,2002 -2008 .</p>

CURRENT AND FUTURE RESEARCH INTEREST:

- Ten years experience in solid state and materials science research.
- Interested with Nano Technology

TEACHING METHODS DEVELOPMENT:

- 1- Utilization of modern educational techniques such as computerized programs, e learning (Black board), power point, visual aids and documentaries to enhance the understanding of course materials
- 2- Practice interactive and communicative approach in education through class discussions debates and research, which is designed to enable the use of internet search techniques and library facilities and resources.
- 3- Developing course objectives and educational outcomes for Physical chemistry lab 1 & 2.

Conference:

- Taiba International Conference Chemistry
Taibah university, KSA , 23-25 March 2009

Publications

- 1- **Synthesis and Characterization of Li – Mn – O Nano Spin Cathode for Rechargeable Batteries”**

M. M. Abou-Sekkinah and Fouad. G. Elmetwaly, Taiba International Conference Chemistry, Taibah university, KSA , 23-25 March 2009

- 2- **Narrow Range of Y⁺⁺⁺-Dopings on LiMn_{2-x}Y_xO₄ for Promoting Structural, Microstructural and Cathodic Capacity Features of LiMnO-Spinel**

M. M. Abou-Sekkinah, Khaled M. Elsabawy, and F. G. Elmetwaly, Advances in Applied Science Research, 2010, 1 (1): 34-43

- 3- **Synthesis, effect of γ - ray and electrical conductivity of uranium**

doped nano LiMn₂O₄ spinels for applications as positive electrodes in Li-ion batteries

FOUAD G. EL-METWALY, MORSI M. ABOU-SEKKINA, FAWAZ A. SAAD, ABDALLA M. KHEDR, Materials Science-Poland, 32(4), 2014, pp. 571-577

- 4- **Synthesis, characterization, DC-electrical conductivity and γ -ray effect on Ag¹⁺, Y³⁺ double doped nano lithium manganates (LiMn_{2-2x}Ag_xY_xO₄) for rechargeable batteries**

MORSI M. ABOU-SEKKINA, FAWAZ A. SAAD, FOUAD G. EL-METWALY, ABDALLA M. KHEDR, Materials Science-Poland, 32(3), 2014, pp. 315-323

- 5- **Synthesis, Stability and DC-electrical Conductivity of Vanadium and Chromium Dual Doped LiMn₂O₄ Spinals as Cathode Material for Use in Lithium Rechargeable Batteries**

Fawaz A. Saad, Morsi M. Abou-Sekkinah, Abdalla M. Khedr, Fouad G. El-Metwaly, Int. J. Electrochem. Sci., 9 (2014) 3904 - 3916

6- Synthesis, Characterization and Effect of γ -Ray on Rare-Earth Tb^{3+} Doped Nano Lithium Manganates ($LiMn_{2-x}TbxO_4$)

Morsi M. Abou-Sekkina¹ Abdalla M. Khedr¹ Fouad G. El-Metwaly, Chemistry and Materials Research 2013, 3(4), Journal of Electronic Materials 2012,42(5)

7- Synthesis, Structure, and Electrochemistry of Sm-Modified $LiMn_2O_4$ Cathode Materials for Lithium-Ion Batteries

Abdalla M. Khedr, Morsi M. Abou- Sekkina & Fouad G. El-Metwaly, Journal of Electronic Materials 2012, 42(5)

8- Solid state synthesis, fast and thermal neutrons irradiations effects,DC-electrical conductivity of La^{3+} , Zr^{4+} double doped Nano lithium manganates for applications in Li-ion batteries

Abdalla M. Khedr, Fouad G. El-Metwaly, Morsy M. Abou-Sekkina, Journal of Molecular Liquids, 225 (2017) 863–868