Curriculum Vitae of Dr. Mohamed Khairy

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Personal Data

Name: Mohamed Khairy Mohamed Aboelalla
Nationality: Egyptian
Date of Birth: 29 / 10 / 1983.
Gender: Male.
Marital Status: Married.
Military Service: Exempted.

Present and Previous Positions

- **May 2014 – Present:** Lecturer, Chemistry Department, Faculty of Science, Sohag University, Sohag, Egypt.
- **Sep. 2013- Mar. 2014:** Post-doctoral researcher at National Institute for Materials Science, Japan
- **April 2011- Sept. 2013:**PhD student at Waseda University, Japan
- **April 2011- Sept. 2013:** Junior researcher at National Institute for Materials Science, Japan
- **July 2010- May 2014:** Assistant lecturer, Chemistry Department, Faculty of Science, Sohag University, Sohag, Egypt
- **June 2005 – July 2010:** Teaching Assistant, Chemistry Department, Faculty of Science, Sohag University, Sohag, Egypt.

Education and Events

- **September 2013,** PhD degree in Science

Title : Surface Chemical Reactions of Mesoporous Metal Oxides for Environmental and Energy Systems

Under the Supervision of: Prof. Sherif A. El-Safty, National institute for material sciences, Tsukuba, Japan

- **July 2010;** M.Sc. in chemistry, Sohag University, Sohag, Egypt.

Title: Voltammetric Studies on Some Quinoline Drugs and Their Interaction With Deoxyribonuclic Acid (DNA)

Under the Supervision of: Prof. Aida M. Awad, Prof. Moustafa M. Kamal, Prof. Farouk A. Rashwan

- **Aug. 2009;** Research project in electrochemical sensors associated with Dr. Craig E. Banks, Manchester metropolitan university, Manchester, UK
- **Oct. 2006;** Pre-master courses (The average grade is "Very Good" and a percentage of 86%.
- **July 2004;** Bachelor of Science in Chemistry (very good with honor 83.06%), B.Sc. in Chemistry Department, Faculty of Science, Sohag University, Sohag, Egypt.

Teaching qualifications

- Teaching many under and post-graduate courses in analytical chemistry, inorganic chemistry and physical chemistry.
  - General Chemistry

- Chemistry of transition elements
- Kinetic theories
- Molecular spectroscopy
- Advanced instrumental analysis
- Electroanalysis

Research qualifications

- Synthesis of porous metal and metal oxide nanostructures by utilizing simple eco-friendly methods.
- Design of electrodes for various electrochemical based devices (electrochemical sensors and supercapacitors)
- Fabrication of chemosensors for sensitive and selective colorimetric recognition of various metal ions.
- Development of new technological adsorbents -based porous materials for removal of the organic and inorganic pollutants.
- Operating many techniques such as Scanning electron microscope (SEM), Transmission electron microscope (TEM), UV-visible spectroscopy, Fourier transform infrared spectroscopy (FT-IR), X-Ray diffraction (XRD), N_2 adsorption/desorption isotherms, Thermal gravimetric analysis (TG/DTA) and electrochemical work station.

Awards and Scholarships

- **2016** Sohag University Encouragement Award
- **2011-2013** Wasada scholarship for young doctoral students
- **2010** Waseda University-NIMS joint graduate program scholarship.
- **2009** Awarded a Partner and Ownership 1207 scholarship funded from Higher Education Ministry of Egypt to travel to UK, Manchester metropolitan university.

Controlled Technology and Interest

- Environmental remediation via adsorption and chemical conversion of toxins
- Electrochemical and chemical sensors
- Energy storage devices

Projects

- Pi. Newton - Mosharafa Institutional Links for two years (Grant No. 172726574, ID. 18435, 165,980 GBP) entitled "Development of next-generation screen-printed electrochemical sensors/biosensors to provide substantial benefits in their performance utilised in biomedical, environmental, and industrial analyses"
- Co-Pi of Basic Sciences (Chemistry) for two years (TC Water ID 20709, 500,000 EGP) entitled "Water purification by activated carbon and biochar produced from agricultural residue"
- Project Member of capacity building project funded from STDF "Developing the materials characterization lab at Sohag University, ID 22829, 5,000,000 EGP).

Thesis Supervision

1- Voltammetric studies on screen printed electrodes and their modifications for biomedical and industrial analysis.
2- Development and characterization of nanopesticides formulations for cotton leafworm.

List of publications

Electrochemical sensors

1. Non-enzymatic electrochemical platform for parathion pesticide sensing based on nanometer-sized nickel oxide modified screen-printed electrodes,
Mohamed Khairy, H. A. Ayoub, C. E. Banks, *Food Chemistry*, 255, **2018**, 104–

111.

2. Simultaneous determination of codeine and its co-formulated drugs acetaminophen and caffeine by utilising cerium oxide nanoparticles modified screen-printed electrode. **Mohamed Khairy,** Bahaa G. Mahmoud, Craig E. Banks, *Sensors and Actuators B: Chemical*, 259, **2018**, 142–154.
3. Simultaneous voltammetric determination of antihypertensive drugs nifedipine a atenolol utilizing MgO nanoplatelet modified screen-printed electrodes pharmaceuticals and human fluids
   Mohamed Khairy, Ahmed A. Khorshed, Farouk A. Rashwan, Gamal A. Salah, Craig E. Banks, *Sensors and Actuators B: Chemical*, 252, **2017**, 1045-1054.
4. Simultaneous Voltammetric Determination of Acetaminophen and Isoniazid (Hepatotoxicity-Related Drugs) Utilizing Bismuth Oxide Nanorod Modified Screen-Printed Electrochemical Sensing Platforms
   Bahaa G. Mahmoud, **Mohamed Khairy**, Farouk A. Rashwan, Craig E. Banks, *Analytical Chemistry*, **2017**, 89 (3), 2170–2178
5. Sensitive determination of Amlodipine besylate using bare/unmodified and DNA-modified screen-printed electrodes in tablets and biological fluids
   Mohamed Khairy, Ahmed A. Khorshed, Farouk A. Rashwan, Gamal A. Salah, Hanaa M. Abdel-Wadood, Craig E. Banks, *Sensors and Actuators B*, 239, **2017,** 768–775.
6. Copper oxide microstructures with hemisphere pineapple morphology for selective amperometric determination of Vitamin C (L-ascorbic acid) in human fluids,
   Mohamed Khairy, Bahaa. G. Mahmoud, *Electroanalysis*, **2016**, 28, 2606 –2612
7. Self-assembly of porous copper oxide hierarchical nanostructures for selective determinations of glucose and ascorbic acid
   Bahaa. G. Mahmoud, **Mohamed Khairy**, Farouk A. Rashwan, Christopher W. Foster, Craig E. Banks, *RSC Advances*, **2016**, 6, 14474-14482.
8. Fabrication of a highly selective nonenzymatic amperometric sensor for hydrogen peroxide based on nickel foam/cytochrome c modified electrode
   Naeem Akhtar, Sherif A. El-Safty, **Mohamed Khairy**, Walid A. El-Said, *Sensors and Actuators B* , **2015**, 207, 158- 166.
9. Simple and Sensitive Electrochemical Sensor-Based Three-Dimensional Porous Ni-Hemoglobin Composite Electrode
   N. Akhtar, S.A. El-Safty, **Mohamed Khairy**, *Chemosensors*, **2014**, 2 (4), 235-250.
10. Electrochemical studies on acridine antitumor drug and its interaction with DNA,
    F. A. Rashwan, M. S. Ibrahim. M. M. Kamal, A. M. Awad, **Mohamed Khairy**, *Global Journal of Physical Chemistry*. **2012**, 3, 7.
11. Gold Nanoparticle Ensembles Allow Mechanistic Insights into Electrochemical Processes,
    Mohamed Khairy, Nadeem A. Choudry, Mohamed Oustai, Dimitrios K. Kampouris, Rashid O. Kadara, and Craig E. Banks, ChemPhysChem., **2010**, 11(4), 875 – 879.
12. Gold Nanoparticle Modified Screen Printed Electrodes for the Trace Sensing of Arsenic(III) in the Presence of Copper(II).
    Mohamed Khairy, Dimitrios K. Kampouris, Rashid O. Kadara and Craig E. Banks, *Electroanalysis*, **2010**, 22(21) 2496–2501.
13. Cosmetic Electrochemistry II: Rapid and Facile Production of Metallic Electro-

catalytic Ensembles**,**
Nadeem A. Choudhry, **Mohamed Khairy**, Rashid O. Kadara, Norman Jenkinson and Craig E. Banks, Electroanalysis, **2010**, 22(16) 1831 – 1836

14. Disposable Bismuth Oxide Screen Printed Electrodes for the Sensing of Zinc in Seawater.
Mohamed Khairy, Rashid O. Kadara, Dimitrios K. Kampouris, Craig E. Banks, *Electroanalysis*, **2010**, 22, 1455.
15. In situ bismuth film modified screen printed electrodes for the bio-monitoring of cadmium in oral (saliva) fluid,
Mohamed Khairy, Rashid O. Kadara, Dimitrios K. Kampouris and Craig E. Banks, *Analytical Methods*, **2010**, 2, 645
16. Electroanalytical sensing of nitrite at shallow recessed screen printed microelectrode arrays,
Mohamed Khairy, Rashid O. Kadara and Craig E. Banks, *Analytical Methods*, **2010**, 2, 851 – 854.

Energy storage devices

17. Large scale production of CdO/$Cd(OH)_2$ nanocomposite for non-enzyme sensing and supercapacitor applications
Mohamed Khairy, Haytham A. Ayoub, Craig E. Banks, *RSC Advances*, **2018**, 8, 921-930.
18. Promising super-capacitor electrodes based immobilization of proteins onto macroporous Ni-foam materials
Mohamed Khairy, Sherif A. El Safty, *Journal of Energy Chemistry***, 2015**, 24 (1), 31-38.
19. Hemoproteins-nickel foam hybrid as effective supercapacitors
Mohamed Khairy, Sherif A. El Safty, *Chemical Communication*, **2014**, 50, 1356-1358
20. Nanosized rambutan-like nickel oxides as electrochemical sensors and pseudocapacitor**,**
Mohamed Khairy, Sherif A. El Safty, *Sensors and Actuators B***, 2014**, 193, 644–652.
21. Mesoporous NiO nanoarchitectures for electrochemical energy storages: influence of size, porosity, and morphology,
Mohamed Khairy, Sherif A. El-Safty, *RSC Advances*, **2013, 3,** 23801-23809.

Chemical sensors

22. Two Selective HPTLC Methods for Determination of some Angiotensin II Receptor Antagonists in Tablets and Biological Fluids
Gamal A. Salah, Hanaa M. Abd El-Wadood, **Mohamed Khairy**, Ahmed A. Khorshed, *Biomedical Chromatography* ., **2017**, e3916, DOI: 10.1002/bmc.3916
23. Natural betanin dye extracted from bougainvillea flowers for the naked-eye detection of copper ions in water samples
Mohamed Khairy, Mohamed Ismael, Rafat M. El-Khatib, Mostafa Abdelnaeem,

Mariam Khalaf, *Analytical Methods*, **2016**, 8, 4977 – 4982.

24. Nano-membrane Canister Architectures for Visualization and Filtration of Oxyanion Toxin in One-step Processing,
    S. A. El-Safty, M. A. Shenashen, A. Aboelmagd, E. A. Elshehy, **Mohamed Khairy**, M. Sakaic, H. Yamaguchi, *Chemistry – An Asian Journal*, **2015**, 10 (11), 2467-2478.
25. Optical mesoscopic membrane sensor layouts for water-free and blood-free toxicants,
    S. A. El-Safty, **Mohamed Khairy**, M. Shenashen, E. Elshehy, W. Warkocki, M. Sakai, *Nano Research*, **2015**, 8 (10), 3150-3163.
26. Hexagonal-Prism-Shaped Optical Sensor/Captor for the Optical Recognition and Sequestration of Pd (II) Ions from Urban Mines,
    M. A. Shenashen, S.A. El Safty, E.A. Elshehy, **Mohamed Khairy**, *European Journal of Inorganic Chemistry*, **2015** (1), 179-191.
27. Design and evaluation of optical mesocaptor for the detection/Recovery of Au(III) from an urban mine.
    E. A. Elshehy S. A. El-Safty M. Shenashen, **Mohamed Khairy**, *Sensors and Actuators B*, **2014**, 302, 363-374
28. Environmental remediation and monitoring of cadmium
    Mohamed Khairy, Sherif A. El-Safty**,** M. Shenashen, *TrAC-Trend Analytical Chemistry*, 62, **2014**, 56–68
29. Simultaneous detection and removal of cadmium ions from different environmental matrices (特集 エコマテリアル)
    Mohamed Khairy, SA El-Safty, MA Shenashen, *日本 LCA 学会誌= Journal of Life Cycle Assessment*, Japan, **2014**, 10 (2), 126-141.
30. Hierarchically inorganic–organic multi-shelled nanospheres for sensing and capture of lead-poisoning species,
    Mohamed Khairy, Sherif A. El-Safty, Mohamed A. Shenashen, Emad A. Elshehy. *Nanoscale*, **2013**, 5, 7920-7927**.**
31. Visual monitoring and removal of divalent copper, cadmium, and mercury ions from water by using mesoporous cubic Ia3d aluminosilica sensors,
    Mohamed A. Shenashen, Emad Elshehy, Sherif A. El-Safty, **Mohamed Khairy**, *Separation and Purification Technology***,** 116, **2013**, 73–86.
32. Mesoporous aluminosilica sensors for the visual removal and detection of Pd(II) and Cu(II) ions.
    Sherif A. El-Safty, M.A. Shenashen, M. Ismael, **Mohamed Khairy**, Md. R. Awual, *Microporous Mesoporous Materials*, **2013**,166, 195-205
33. Visual detection and revisable supermicrostructure sensor systems of Cu(II) analytes,
    Sherif A. El-Safty, **Mohamed Khairy**, Mohamed Ismael, *Sensors and Actuators, B*, **2012**, 166, 253-263.
34. Optical mesosensors for monitoring and removal of ultra-trace concentration of Zn(II) and Cu(II) ions from water,
    Sherif A. El-Safty, Mohamed A. Shenashen, Mohamed Ismael, **Mohamed Khairy**, Md. R. Awual, *Analyst*, **2012**,137, 5278-5290.
35. Optical detection/collection of toxic Cd(II) ions using cubic Ia3d aluminosilica mesocage sensors,

Sherif A. El-Safty, Mohamed A. Shenashen, **Mohamed Khairy**, *Talanta*, **2012**, 98, 69-78.

Environmental applications (adsorption and catalysis)

36. Chemical modification of commercial kaolin for mitigation of organic pollutants in environment via adsorption and generation of inorganic pesticides
    Mohamed Khairy, Haytham A. Ayoub, Farouk A. Rashwan, Hanan F. Abdel-Hafez, *Applied Clay science,* 153, **2018**, 124–133.
37. High surface area nanostructured activated carbons derived from sustainable sorghu stalk
    Kamal M.S. Khalil, Omar A.S. Allam, **Mohamed Khairy**, Khaleed Mohamed, Rafat Elkhatib, Mervat A. Hamed, *Journal of Molecular Liquids*, 247, **2017**, 386-396.
38. Synthesis and characterization of silica nanostructures for cotton leaf worm control.
    Haytham A. Ayoub, **Mohamed Khairy,** Farouk A. Rashwan, Hanan F. Abdel-Hafez, *Journal of nanostructure Chemistry*, 7 (2), **2017**, 91–100
39. Natural clayey adsorbent for selective removal of lead from aqueous solutions,
    A. Sdiri, **Mohamed Khairy**, S. Bouaziz, *Applied Clay Science*, **2016**, 126, 89–97.
40. Hierarchical nanohexagon ceramic sheet layers as platform adsorbents for hydrophilic and hydrophobic insecticides from agricultural wastewater
    A. Derbalah, S. A. El-Safty, M.A. Shenashen, **M. Khairy**, *ChemPlusChem*., **2015**, 80 (12), 1769-1778.
41. Water treatment through chemical transformation and elimination of organic toxin based on mesoporous nickel oxide nanocrystals,
    Mohamed Khairy, Sherif A El-Safty *Advanced Materials Research*, 685, **2013**, 139-144.
42. Mesoporous NiO nanosheets for the catalytic conversion of organic contaminates,
    Mohamed Khairy, Sherif A El-Safty, *Current Catalysis*, **2013**, 2(3), 17-26.
43. Bioadsorption of proteins on large mesocage-shaped mesoporous alumina monoliths,
    Sherif A. El-Safty, Mohamed A. Shenashen, **Mohamed Khairy**, *Colloids and Surfaces B: Biointerfaces*, **2013**, 103, 1 288-297.
44. Selective encapsulation of hemo-proteins using mesoporous metal oxide nanoparticles,
    Mohamed Khairy, Sherif A. El-Safty, *Colloids and Surfaces B: Biointerfa*ces, 111, **2013**, 460–468
45. Trapping of biological macromolecules in the three-dimentional mesocage pore cavities of monolith adsorbent,
    Mohamed A. Shenashen, Sherif A. El-Safty, **Mohamed Khairy,** *Journal of porous materials*, 20, **2013**, 679-692**.**
46. Mesoporous nanomagnet supercaptors for selective heme-proteins from human cells,
    Mohamed Khairy, Sherif A. El-Safty and Mohamed Ismael. *Chemical Communications*, **2012**, 48, 10832-10834.
47. Encapsulation of proteins into tunable and giant mesocage alumina,
    Sherif A. El-Safty, Mohamed A. Shenashen, Moahmed Ismael, **Mohamed Khairy,**

Chemical Communications., **2012**,48, 6708-6710.

48. Mesocylindrical Aluminosilica Monolith Biocaptors for Size-Selective Macromolecule Cargos,
    Sherif A. El-Safty, Mohamed A. Shenashen, Mohamed Ismael, **Mohamed Khairy**, *Advanced Functional Materials.* **2012**, 22(14) 3013–3021.
49. Nanoadsorbent of Organic Compounds Based on Two- and Three- Dimensional Mesocylinder Monoliths,
    Sherif A. EL-Safty, **Mohamed Khairy**, M. Ismael**,** *Journal of Environmental Anal Toxicol*ogy, **2012**, 2-5.
50. Multidirectional Porous NiO Nanoplatelet-like Mosaics as Catalysts for Green Chemical Transformations,
    Mohamed Khairy, S. A. El-Safty, M. Ismael, H. Kawarada, *Applied Catalysis. B: Environmental*, **2012**, 123, 162-173.
51. Mesoporous NiO nanomagnets as catalysts and separators of chemical agents,
    Mohamed Khairy, Sherif A. El-Safty, Mohamed Ismael, Hiroshi Kawarada, *Applied Catalysis B: Environmental*, **2012**, 127, 1-10
52. Green Chemical Transformation of phenolic pollutants using mesoporous NiO nanocrystals with sheet-like morphology,
    Mohamed Khairy, S. A EL-Safty, M. Ismael, M. A. Shenashen, Recent Research in Nanotechnology **2012**, 215-219. (published at Cambridge, UK)

Cover Pages

1. Mesoporous nanomagnet supercaptors for selective heme-proteins from human cells.
   Chemical Communications, **2012**, 48, 10790-10790. DOI: 10.1039/C2CC90368G
   Mohamed Khairy, Sherif A. El-Safty and Mohamed Ismael
2. Mesoporous NiO nanosheets for the catalytic conversion of organic contaminates.
   Current Catalysis, **2012**, 2 (1) DOI: 10.2174/2211544711302010001
   Mohamed Khairy, Sherif A. El-Safty.
3. Optical mesosensors for monitoring and removal of ultra-trace concentration of Zn(II) and Cu(II) ions from water.
   Analyst, **2012**, 137, 5442-5442, DOI: 10.1039/C2AN90097A
   Sherif A. El-Safty, Mohamed A. Shenashen, Mohamed Ismael, **Mohamed Khairy**, Md. R. Awual

Editorial board of scientific journals

- Associate editor of Euro-Mediterranean Journal for Environmental Integration; http://www.springer.com/earth+sciences+and+geography/environmental+science+%26+engineering/journal/41207?detailsPage=editorialBoard
- Associate Editor of Archives of organic and inorganic chemical sciences; http://lupinepublishers.us/aoics/editorial-committee.php#

Conferences and proceedings

1. Development of electrochemical sensor/biosensor based on screen-printed electrode for environmental and biological analyses
   1st International Conference on Applied Chemistry (ICAC 2016), 14–17 March 2016, Hurghada, Egypt.
   Mohamed Khairy
2. Natural clayey adsorbent for selective removal of lead from aqueous solutions
   International Conference on Applied Geology & Environment "ICAGE 2016" 19-21 May 2016, Royal El Mansour Mahdia –Tunisia, pp. 294
   Ali Sdiri, **Mohamed Khairy**, Sherif A. El-Safty, Samir Bouaziz
3. Mesoporous metal oxide nanostructures for electrochemical energy storage devices. Alexander von Humboldt workshop, "Nanotechnology and Nanomaterials For

Sustainable Development" 02-04 February, Jan. 2016 Luxor, Egypt.
Mohamed Khairy

4. Mesoporous metal oxide nanoarchitectures for electrochemical energy storage devices "Influence of size, porosity, and morphology,
1st International Symposium on Energy Challenges and Mechanics, July, 2014, Aberdeen, Scotland, United Kingdom.
Mohamed Khairy, Sherif A. El-Safty, Mohamed Shenashen and Naeem Akhtar
5. Design and development of nanozyme electrochemical sensor for biological molecules
The 5th NIMS (MANA)-Waseda International Symposium, N-10.(Mar. 24, 2014)
Naeem Akhtar, **Mohamed Khairy**, Sherif A. El-Safty
6. Water Treatment from Phenolic Pollutants by Chemical Transformation Process Using Mesoporous NiO Mosaics
8th International Mesostructured Materials Symposium (IMMS-8, IMMS2013), Awaji Island, Hyogo, Japan (May, 20, 2013)
Mohamed Khairy, Sherif A. El-Safty, Mohamed Shenashen and Emad A. Elshehy
7. Mesoporous NiO Nanocrystals as Sustainable catalyst for chemical conversion of organic pollutants
The 4th NIMS (MANA)-Waseda International Symposium PP. 26. (Mar. 11, 2013)
Mohamed Khairy, Sherif A. El-Safty
8. Optical mesosensor for water monitoring and removal of ultra-trace concentration of Zn(II) and Cu(II) ions from water.
The 4th NIMS (MANA)-Waseda International Symposium, PP. 24.(Mar. 11, 2013)
Mohamed Shenashen, **Mohamed Khairy**, Emad A. Elshehy and Sherif A. El-Safty
9. Water Treatment through Chemical Transformation and Removal Based on Mesoporous Nickel Oxide Nanocrystals.
3rd International Conference on Advanced Materials Research (ICAMR 2013), Dubi, 2013.(Jan. 19, 2013)
Mohamed Khairy, Sherif A. El-Safty
10. Green Chemical Transformation of phenolic pollutants using mesoporous NiO nanocrystals with sheet-like morphology
4th WSEAS International Conference on Nanotechnology at Cambridge, UK (NANOTECHNOLOGY 2012) (Feb. 22, 2012)
Mohamed Khairy, Sherif A. El-Safty, Mohamed Ismael, Mohamed A. Shenashen
11. Mesoporous nickel oxide nanocrystal mosaics as catalysts for chemical transformation and removal of organic pollutants,
The Fifth Saudi Science Conference (SSC5, 2012), Umm Al-Qura University Makkah, Saudi Arabia (Apr. 16, 2012)
Mohamed Khairy, Sherif A. El-Safty, Mohamed Ismael, Mohamed A. Shenashen.
12. 3D Mesocaptor Aluminosilica Monoliths for Visual Removal of Heavy Metals from Water.
IUMRS-International Conference on Electronic Materials (IUMRS-ICEM 2012) 2012 Yokohama, Japan (Sep. 23, 2012)
Mohamed Khairy, Sherif A. El-Safty, Mohamed A. Shenashen.
13. Mesoporous NiO Nanocrystal Mosaics as Catalysts for Chemical Transformation and Removal of Organic Pollutants
ZMPC 2012: International Symposium on Zeolites and Microporous Crystals, Hiroshima, Japan, P074 (July 28, 2012)
Mohamed Khairy, Mohamed Ismael, Sherif A. El-Safty,

14. Mesoporous Nickel oxide with Nanocrystals Sheet-like Morphology as Effective catalysts of Organic Pollutants
The 3rd NIMS (MANA)-Waseda International Symposium, PP. 20. (Nov. 3, 2011)
Mohamed Khairy, Mohamed Ismael, Sherif A. El Safty

15. A member and participant for the organization committee of International Electrochemical conference in Luxor, 2005
Mohamed Khairy, F. A. Rashwan, M. S. Ibrahim. M. M. Kamal, A. M. Awad,

11. Electrochemical studies on acridine antitumor drug and its interaction with DNA, the 11th International Chemistry conference and Exhibition in Africa, 2009

12. Electrochemical Molecular Recognition Studies of Toxic ions and Antibacterial Drugs, FY2011 the doctoral program in students seminar program, Jan. 2012.

Mohamed Khairy