Curriculum Vitae (C.V.)

Personal Information	 **Name:** Mahmoud Elrouby Mohammed Mahmoud **Date of Birth:** 15/11/1980 **Place of Birth:** Sohag, Egypt **Nationality:** Egyptian **Religion:** Muslim **Sex:** Male **Marital Status:** Married **Mother language:** Arabic **Other languages:** English (Fluent in speaking, reading and writing), Russian (good), Turkish (not bad). **Emails:** dr_mahmoudelrouby@science.sohag.edu.eg dr_mahmoudelrouby@hotmail.com **Tel.** no.: +201143909358 (Egypt) **Address:** Sohag University, Faculty of Science, Chemistry Department, Sohag, Egypt
Previous and Present Positions (profession)	- **Demonstrator at Chemistry Department, Faculty of Science, Sohag University**, **Sohag, Egypt,** since May 2004– July 2009. - **Assistant Lecturer at Chemistry Department, Faculty of Science, Sohag University**, **Sohag, Egypt,** since July 2009. - **Assistant Professor at Chemistry Department, Faculty of Science, Sohag University**, **Sohag, Egypt,** since May 2014. - **Associate Professor at Chemistry Department, Faculty of Science, Sohag University**, **Sohag, Egypt,** since October 2019. -
Education	• Ph.D. degree in Electrochemistry (Physical Chemistry), Institute of Catalysis and Inorganic Chemistry, Azerbaijan National Academy of Sciences, Baku, Azerbaijan (2014) (scientific scholar grant). • Master of Science in Electrochemistry, Faculty of Science, Sohag University (2009). Bachelor of Science in Chemistry, Faculty of Science, Sohag University (2002)**.**

Master Thesis Title	**"Effect of the Electrodeposited Nanoparticles of Some Metals on the Electrochemical Behavior of Some Organic Acids"**
Ph.D. Thesis Title	**"Electrochemical Synthesis of Cadmium Sulfide Thin and Nano Films from Thiosulfate Solutions on Different Electrodes (Ni, Pt and MWCNT) and Study of Some Their Properties".**
Research Interests	Electrochemical synthesis of metals, alloys, oxides and their applications in: a- Electrochemical sensing of important organic and inorganic compounds. b- Energy applications including batteries, fuel cells, solar cells, and supercapacitors. c- Environmental applications. d- Corrosion applications.
Selected Publications	**1.** Hany M. Abdelateef**, <u>Mahmoud Elrouby</u>**, Synergistic inhibition effect of Poly(ethylene glycol) and cetyltrimethylammonium bromide on the corrosion of zinc and Zn-Ni alloys for alkaline batteries, *Transactions of Nonferrous Metals Society of China*, **ACCEPTED**, (**2019)** **2.** **<u>Mahmoud Elrouby</u>**, Hany M. Abdelateef, Mansour Sadek, Electrodeposited Pt nanorods on a novel flowered-like nanostructured Ni-Co alloy as an electrocatalyst for methanol oxidation, **44,** International Journal of Hydrogen Energy, 13820 - 13834 **(2019).** 3. Vusala Asim Majidzade, Akif Shikhan Aliyev, Dunya Mahammad, Babanly, **<u>Mahmoud Elrouby</u>**, Dilgam Babir Tagiyev, Investigation of the Electrochemical Reduction Process of the Molybdate Ions in the Tartaric Electrolytes, **66**, Acta Chimica Slovenica, 155-162 (**2019**). 4. **<u>Mahmoud Elrouby</u>**, Nagwa Abo El-Maali, Rehab Abd El-Rahman, A Promising Electrodeposited Iron Oxide Nanoparticles of Very High Saturation Magnetization and Superparamagnetic Properties for Remediation of Polluted Water with Lead Ions, *Journal of the Taiwan Institute of Chemical Engineers*, **93**, 379-387 (**2018**). 5. **<u>Mahmoud Elrouby</u>**, Mai M. Khalaf, Synthesis and characterization of titania nanoparticles and enhancement of photochemical, photoelectrochemical and electrochemical performance with zirconia nanoparticles, *Journal of Physics and Chemistry of Solids* **122**, 227-233 (**2018**). 6. **<u>Mahmoud Elrouby</u>**, A.M. Abdel-Mawgoud, Rehab Abd El-Rahman, Synthesis of iron oxides nanoparticles with very high saturation magnetization form TEA-Fe(III) complex via electrochemical deposition for supercapacitor applications, *Journal of Molecular Structure* **1147**, 84–95 (**2017**). 7. V.A. Majidzade, P.H. Guliyev, A.S. Aliyev, **<u>Mahmoud Elrouby</u>**, D.B. Tagiyev, Electrochemical Characterization and Electrode kinetics for Antimony Electrodeposition from its Oxychloride Solution in the Presence of Tartaric Acid, *Journal of Molecular Structure* **1136**, 7–13 (**2017**).

	8. A.Sh. Aliyev, H.M. Tahirli, **Mahmoud Elrouby**, N.S. Soltanova, D.B. Tagiev, Electrochemical Fabrication and Characterization of Corrosion-Resistant, Ternary, Lead-Based Alloys as a New Material for Steel Surface Protection, *Metallurgical and Materials Transactions B* **47** (3), 2072-2078 (**2016**). 9. Sh. O. Eminov, D. B. Tagiyev, A. Sh. Aliyev, N. Sh. Soltanova, J. A. Guliyev, Kh. D. Jalilova, N. J. Ismayilov, I. S. Hasanov, A. A. Rajabli, G. Kh. Mamedova, I. I. Gurbanov, **Mahmoud Elrouby**, Photo and Electrical Peculiarities of the Nanostructured Glass/ITO/AAO and Glass/ITO/CdS Systems, *Journal of Materials Science: Materials in Electronics*, 27 (9), 9853–9860 (**2016)**. 10. Akif Shikhan Aliyev, **Mahmoud Elrouby**, Samira Fikret Cafarova, Electrochemical Synthesis of Molybdenum Sulfide Semiconductor, *Materials Science in Semiconductor Processing* **32**, 31-39 (**2015**). 11. **Mahmoud El-rouby**, Akif Shikhan Aliyev, Electrical, Electrochemical and Photo-Electrochemical Studies on the Electrodeposited n-Type Semiconductor Hexagonal Crystalline CdS Thin Film on Nickel Substrate, *Journal of Materials Science: Materials in Electronics* **25**, 5618–5629 (**2014**). 12. **Mahmoud Elrouby**, Akif Shikhan Aliyev, Electrochemical Synthesis of CdS on Multi Walled Carbon Nanotubes Paste Electrode, Advanced Materials Research 787, 417-422 (**2013**). 13. F.M. El-Cheick, F.A. Rashwan, H.A. Mahmoud, **Mahmoud El-Rouby**, Gold Nanoparticle-Modified Glassy Carbon Electrode for Electrochemical Investigation of Aliphatic Di-Carboxylic Acids in Aqueous Media, *Journal of Solid State Electrochemistry* **14** (8), 1425-1443 (**2010**). 14. FM El-Cheikh, FA Rashwan, HA Mahmoud, **Mahmoud El-Rouby**, Electrochemical Response of the Two Isomers Conjugated Acids, Maleic and Fumaric, on Glassy Carbon Electrode Modified with Platinum Nanoparticles, Journal of applied electrochemistry 40 (1), 79-89 (**2010**).
Total publications	more than **30** publications, see my google scholar:- **https://scholar.google.com/citations?hl=en&user=C4gZ8fYAAAAJ&view_op=list_works**
Teaching Experience	1- Teaching of Electrochemistry Course for fourth year students. 2- Teaching of industrial inorganic chemistry course for third-year students. 3- Teaching of the corrosion course for fourth-year students 4- Teaching of analytical chemistry course for third year students 5- Teaching of general chemistry Course for first year students. 6- Teaching of physical chemistry Course for third year students.

Recent Activities	- April 2008- present: Member of management and implementation team of Continuous improvement and qualification for accreditation project" (CIQAP). - May 2014 tell now: Executive Director of the criterion of scientific research and related activities at the Faculty of Science Sohag University. - Vice Manager of **T**echnology, **I**nnovation and **C**ommercialization **O**ffice (TICO) of Sohag University. - Vice Manager of **Distance Learning Unit** (**DLUS**) of Sohag University.
Conferences	He participated in attendance and organizing of 10 conferences national and international inside and outside Egypt.
List of References	1. **Prof. Dr. F. A. Rashwan** Department of Chemistry Faculty of Science Sohag University Sohag, 82524 EGYPT Fax: +20934601950 e-mail: dr.rashwan2009@yahoo.com Relationship: my supervisor in Master 2. **Associate Prof. Akif Shikhan Aliyev** Head of the electrochemistry Department Institute of Catalysis and Inorganic Chemistry, Baku, Azerbaijan Tel: +994557425889 Email: chim.prob.tur@rambler.ru Relationship: my supervisor in PhD