

Mohey Hemdan Ahmed Amr
(Ph.D, Physical Chemistry)
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Academic:

9/2008

- **Ph.D, Physical Chemistry,**
- Catalysis and Surface, Faculty of Science, Mansoura University

7/2004

- **M.Sc, Physical Chemistry,**
- Catalysis and Surface, Faculty of Science, Mansoura University

1997

- **B.Sc, (Major Chemistry),**
- Faculty of Science, Mansoura University

2015

- **Diploma**
- The Professional Diploma in "Quality and Accreditation Management System in Educational Institutes", Ain Shams University.

Membership

- Member of improvement and quality team, Higher Institute for Engineering and Technology; 2014-present.
- Syndicate of Scientific Professions; 1997-Present.

Training Courses

- Training in the laboratories of Mansoura for Resins and a Chemical Industries Co.
- Training in the laboratories of Administration of Chemistry (Trace Element Lab, Water & Wastewater Lab, & Mineral Oil Lab),
- Hazard Analysis and Critical Control Points (**HACCP**),
- Total Quality Management (**TQM**) &
- Quality Assurance and Quality Control (**QC & QA**),
- (**ISO 9001:2008**), (**ISO / IEC 17025:2005**, **ISO 17025:2005**), and (**Statistical Techniques for Quality Control & Improvement**), Ministry of Trade and Industry, Cairo.
- Environmental Safety, Civil Defense and Fire Fighting Operations and **OSHA**, American University in Cairo.
- (Teaching with Technology), (Quality Standards), (The Credit Hour Systems), Faculty and Leadership Development Project in Mansoura University.
- High Performance Teams, Dale Carnegie Training center.
- Soft Skill Diploma (Interview, CV, Presentation & Communication Skills), in AXON Mansoura branch and accredited by the American University of Professional Studies.
- Electronic Teacher, SC-Center in Mansoura University.
- Crisis Management Program, EIN Shams University, Cairo.
- Quality Management in Educational Institute, EIN Shams University, Cairo.
- Student's Assessment System and Exam, EIN Shams University, Cairo.
- Project Management Professional (**PMP-PMI**), EIN Shams University, Cairo.
- Risk Management Professional (**RMP-PMI**), PM House, cairo
- Training Of Trainer (**TOT**), EIN Shams University, Cairo.
- Preparation of Training Packages (**PTP**), EIN Shams University, Cairo.
- Leaders Preparation, Sadat Academy for Management Science, Cairo.
- Planning and Sustainable Development, Sadat Academy for Management Science, Cairo

- Crisis Management Workshop, Human Resource Development Center, Cairo Governorate, Cairo.
- Marketing and Branding Tools, smart international center for human resources, Cairo.
- Developing the Skills of Leaders in Combating Financial and Administrative Corruption, Sadat Academy for Management Sciences, Cairo.
- Creativity in Training, Arab Authority for Entrepreneurship, Mansoura.
- Developing the skills of decision makers, Sadat Academy for Management Sciences, Cairo.
- Academic Training Workshop: "Integrating Training and Education in Credit Hours according to the British Standard", National Council for Training and Education in cooperation with the Arab Union for Human Resources Development.
- English for Science Course, Mansoura University.
- Self-Evaluation for H.E. Institutes, Education Programs and Courses Specifications and Evaluation of Learning Outcomes for H.E. Institutes, External Review for H.E. Institutes in **NAQAA**

Computer Skills

- **ICDL**, PhotoShop, Adobe FrameMaker,
- ChemOffice Pro, Microcal Origin and SPSS.

Languages

- **Arabic:** Mother Tongue
- **English:** Very Good (Written & Spoken)

Technical Skills

- GC, IC, HPLC,
- AAS, ICP, Flame Photometer
- FT-IR, UV/VIS, Raman Spectroscopy
- XRD, XRF, SEM
- Elemental Analysis (C,H,N,O)
- Conductometer
- TGA/DTA
- Magnetism
- BET-apparatus
- Karl Fisher
- The equipment's used in Mineral Oil and Petroleum Products Testes (physical & chemical).

Research Projects

- "Active Carbon from Cotton Stalks" Mansoura University, Faculty of Science, Chemistry Department.
- "Preparation and Characterization of the Ecofriendly Catalyst." Mansoura University, Faculty of Science, Chemistry Department.

Publications

- "Activated Carbon from Cotton Stalks", A.M. Youssef, S.E. Samra, S.El-Hakam, A. Abdel Raheim and M.H.A. Amr, Mansoura Sci.Bull.30,105(2003).
- "Preparation and Characterization of the Ecofriendly Catalyst", S.M. Hassan, S.A. El-Hakam and M.H.A. Amr, Mansoura Sci.Bull. (2009).
- "Pumice Characteristics and Their Utilization on the Synthesis of Mesoporous Minerals and on the Removal of Heavy Metals', A.I.M. Ismail, O.I. El-Shafey, and M.H.A. Amr, 2014, and M. S. El-Maghraby, International Scholarly Research Notices, Vol. 2014(2014), Article ID 259379, 9 pages.
- "Stabilization of Silica Gel against Hydrolysis by Doping with F- or Zr(IV)", Khaled S. Abou-El-Sherbini, Peter G. Weidler, Detlef Schiel, M.H.A. Amr, Henning Niemann, Shady El-Dafrawy, Wolfgang H. Höll, Green and Sustainable Chemistry, 2014, 4, 24-32.
- "Green Synthesis of Silver Nano-particles by *Macrococcus bovicus* and Its Immobilization onto Montmorillonite Clay for Antimicrobial Functionality", Mohamed S. Abdel-Aziz & Khaled S. Abou-El-Sherbini, Esmat M.A. Hamzawy & M.H.A. Amr,

- Shady El-Dafrawy, Appl Biochem Biotechnol (2015) 176:2225–2241.
- "Encapsulation of Biosynthesized Nanosilver in Silica Composites for Sustainable Antimicrobial Functionality" Khaled S. Abou-El-Sherbini, M.H.A. Amr, Walid Sharmoukh, Mohamed S. Abdel-Aziz, Esmat M. A. Hamzawy, Mohamed M. Elnagar, Global Challenges 2018, 1800048, 1-10.
 - " Industrial wastewater treatment by electrocoagulation powered by a solar photovoltaic system" Hagar Alm El Din Mohamad , Mohey Hemdan, Ahmed Alm Eldin Bastawissi, Alm Eldin Mohamad Bastawissi, Hitesh Panchal, and Kishor Kumar Sadasivuni, 2021, <https://doi.org/10.1080/15567036.2021.1950870>
 - " A Portable Active Photovoltaic Solar Energy System in Treating Wastewaters by Electrocoagulation" Hagar Alm El Din Mohamad, M. H. A. Amr, A. A. Bastawissi, A. E. Bastawissi, Hitesh Panchal, and Kishor Kumar Sadasivuni, 2021, DOI: 10.1520/SSMS20200076
 - *Other papers under arbitration.*

Patents

- "Method of preparation of a broad-spectrum, long-storage, antimicrobial combination method" No. 30782 - starting on 01/22/2018 - Patent Office of the Academy of Scientific Research and Technology - Cairo

Conference

- "Structural and Textural Properties of Pure and Li- or Ti- Doped Ni/SiO₂ in Relation to their Catalytic Performance towards Cyclohexane Conversion", S. M. Hassan, S. A. El-Hakam, S. E. Samra, M. H. A. Amr, 8th International Conference on Chemistry and Its Role in Development; Sharm El-Sheikh, Egypt, April 14-17, 2005,
- "Preparation and characterization of Ni/SiO₂ doped with Li or Ti for decomposition of cyclohexanol", S. M. Hassan, S. A. El-Hakam, S. E. Samra, M. H. A. Amr, 8th International Conference on Chemistry and Its Role in Development; Sharm El-Sheikh, Egypt, April 14-17, 2005,.
- "Modification of Nickel Supported Silica Surface by PVA Polymer", S. M. Hassan, S. A. El-Hakam, S. E. Samra, M. H. A. Amr, 9th International Conference on Chemistry and Its Role in Development; Sharm El-Sheikh, Egypt, April 14-17, 2007.
- "Silica Supported Phosphomolybdic Acid Catalysts 1- Preparation and Characterization", S.M. Hassan, S.A. El-Hakam, M.H.A. Amr, 10th International Conference on Chemistry and Its Role in Development; Sharm El-Sheikh, Egypt, March 16-21/3/2007.
- "Silica Supported Phosphomolybdic Acid Catalysts. 2-Catalytic Activity", S.M. Hassan, S.A. El-Hakam, M.H.A. Amr, 10th International Conference on Chemistry and Its Role in Development; Sharm El-Sheikh, Egypt, March 16-21/3/ 2007.
- Workshop on "Revolution of Nanotechnology" 27-29 /11/2011 Cairo under the patronage of the UNESCO.
- The 4th Scientific Conference of AIN Shams University towards a National Innovation System: Current Indicators & Future, 27-29/4/2015.
- The second international conference organized by the National Council for Training and Education under the direction of modern trends in training and education "The system of management of educational institutions according to the international standard ISO 21001: 2008" - 2 December 2018
- The 7th Arab Conference organized by the Arab House for Administrative Development, "Administrative Development in Governmental Institutions", 23 December 2018.
- The 1st conference sponsored by the National Council for Training and Education, "Knowledge, Innovation and Scientific Research", 10 January 2019
- Participate in the 3rd Annual International Scientific Conference of the Center for Developing the Capacity of Teaching and Leadership Members at the University of Banha entitled "Developing Training Programs in Arab Institutions to Keep Up with the Age of Innovation and Entrepreneurship" 20-21 March 2019.

Experience

- "Removal Of Heavy Metal On The Synthesis Of Mesoporous Zeolite", Mohey H. A. Amr, O. I. El-Shafey, The 5th International Conference on scientific research ISR-2019, Renewable Energy and Water Sustainability, Sharm El-Sheikh 26-29 march 2019.

2/2014-present

Tanta Higher Institute for Engineering and Technology

Assistant Professor and Head of the Chemical Engineering Department & Deputy Director of the Quality Assurance Unit in the Institute

- Giving different chemistry courses for the Engineering institute students (Physical Chemistry, Chemical Kinetic, Chemical Thermodynamic, Surface chemistry, Catalysis Engineering, Energy and Renewable Energy Engineering, Industrial Safety Management & Risk Management, Monitoring & Quality Control Systems, History of Engineering & Technology, and Professional Ethics, and Reactor Design).
- Supervising graduation projects

1/2012-1/2014

Delta University

Assistant professor and Head of the Chemical Engineering Department & Director of the Quality Assurance and Accreditation Unit

- Giving different educational chemistry courses for the faculty students (Physical Chemistry, Analytical Chemistry, Industrial Safety & Safety Management, Health-Care & Infection Control, and General Risk Management)
- Participating in all works of quality assurance unit, Member of improvement and quality team
- Establishment and operation of the processing and management of Central Laboratory is responsible for the analysis of samples of food and chemicals coming from the neighboring industrial zone.
- Worked in studies of establishment pharmaceutical manufacture

7/2007-12/2011

Trace Element lab, Administration of Chemistry (Egypt)

Senior Lab Chemist and Quality Control Manager

- Analysis (chemical and physical) of Water, Waste Water & Soil according to ASTM & EPA.
- Heavy metal determination in food, oils, water & wastewater.
- Achieving the requirements of Material Safety Datasheet of different chemicals.
- Analysis the mineral oil and petrochemical products according to its specification requirements.
- Training courses for undergraduate students from the Faculty of Science, Cairo University.

11/2000-9/2008

Faculty of Science - Mansoura University

Researcher, M.Sc (11/2000-7/2004) & Ph.D (9/2004-9/2008).

- Teaching and Preparing Exams of different laboratory chemistry courses for the students of the chemistry department
- Training Summer course for the students of the chemistry department
- Researches in catalyst preparation, catalyst characterization, and catalyst applications in organic reactions
- Researches in petrochemical and refinery of mineral oil
- Researches in removal of wastes from water

1/2001-12/2005.

Green Lab for Environmental and Industrial Analysis.

Chemist

- Water and waste water analysis
- Determination the concentration of heavy metals using AAS

8/1999-10/2000.

Mansoura for Resins and Chemical Industries Co.

Quality Control

- Water and Drain Water analysis
- Water treatment for boilers water
- Quality Control in Formalin Manufacture Project (Formalin Industry).

Personal Data

Name	Mohey Hemdan Ahmed Amr
Date of Birth	28 March 1974
Marital Status	Single
Military Status	Finished
Address	40 Abdel-Monem Ryad St., From El-Forn Street, Ezbet El Shall, Mansoura, Egypt.
Mobile:	(+2) 01006736780
E-mail	mohey.hemdan@gmail.com
Nationality	Egyptian

All attached files and references are available upon request