

CV

Dr/ Mohammed Abd El-Samea Ali El-Hashemy

Job/Profession:

Affiliation: Department of Chemistry, College of Science, Jouf University, PO Box
2014, Sakaka, Saudi Arabia

Nationality: Egyptian

Phone: +201067426667

Email: mohammed_elhashmy@yahoo.com - maelhashemy@ju.edu.sa

Websites: <http://events.ju.edu.sa/FMPW/EN/Resmue.aspx?id=alhasmimohamed926>

EDUCATION

- **Bachelor's degree in chemistry**
- Faculty of Science, Mansoura University **1999**
- **Master's degree in physical chemistry**
- Faculty of Science, Mansoura University **2003**
- **Doctorate's degree in physical chemistry**
- Faculty of Science, Ain Shams University **2010**

RESEARCH INTERESTS

(Environmental studies and corrosion prevention)

PROFESSIONAL HISTORY

Professional Job:

- ***September 2014 up till now***
Assistant professor, chemistry department, college of science, Jouf University, Saudi Arabia.
- ***September 2012- September 2014***
Researcher, Air pollution Department, National Research Center, Cairo, Egypt.
- ***March 2012-August 2012***

Academic visitor in Commonwealth Scientific and Industrial Research Organization (CSIRO), Division of Material science and Engineering, Clayton, Victoria, Australia.

- **December 2010 – March 2012**
Researcher, Air pollution Department, National Research Center, Cairo, Egypt.
- **May 2004 - December 2010**
Assistant Researcher, Air pollution Department, National Research Center, Cairo, Egypt.
- **January 2001 to December 2003**
M.Sc scholarship in chemistry department, faculty of science, Mansoura University and teaching the practical courses to undergraduate students.

SKILLS

- 500 Score in the **Test of English Language Proficiency (TELP)** (Department of foreign languages, Centre of public service and social development, Ain Shams University.
- TOEFL IBT (2011)
- **ICDL "International Computer Driving License" UNESCO Certified** Date: August 2007
Course Included: "IT, MS Windows, Word, Excel, Access, Power Point, and Internet"
- Training course on: Front page.
- Training course on: Access.

CONFERENCES

- The 1st International Conference of Environmental Research Division on Sustainable Development Environmental Challenges Facing Egypt, 5-7 June, 2004.
- The 2nd International Conference under the theme of Environmental Science and Technology, Egypt 2006, 4-6 September, 2006.

- The 9th International Conference on Chemistry and its Role in Development (9ICCRD), 16-19 April, 2007.
- The 3rd International Conference of Environmental Research Division under the theme of Environmental Science and Technology, Egypt 2008, 1-3 April, 2008.
- The 4th International Conference under the theme of Environmental Science and Technology, Egypt 2010, 14-16 December, 2010.
- Workshop under the title "Road map for facing the climate changes in Egypt" Location: Ain Shams University, Cairo, Egypt, 13/4/2011.
- North Atlantic Treaty Organization (NATO) Advanced Research Workshop (ARW-984153) under the title "Disposal of Dangerous Chemicals in Urban Areas and Mega Cities" (Oxides and Acids of Nitrogen: Their Role in Atmospheric HO_x Radical Chemistry and the Oxidizing Capacity of the Troposphere), Gdansk, Poland, 9-13 October 2011.
- CSIRO Advanced Materials (CAM) Conference and Workshops, August 20th-22nd 2012, Melbourne, Australia.
- 11th International Conference on Chemistry & its Role in Development (ICCRD), March 11-15, 2013, Mansoura/ Sharm El-Sheikh, Egypt.
- 4th International Conference of Biological & Environmental Sciences (ICBES), March, 24-28, 2014, Mansoura/ Hurghada, Egypt.
- 1st Scientific conference in surface science and its applications (SCSSA), May, 1-2, 2017, Sakaka/ Jouf, KSA.
- 2nd, International conference on the future of energy, geology and environment, July, 16-17, 2017, NRC/ Giza, Egypt.

- Workshop under the title "Renewable energy workshop: Prospects and Challenges" Location: Jouf University, Sakakah, KSA, 26/3/2019.

MEMBERSHIP

- Membership of the **Committee of geology and Environment protection** (2017-up till now).

GRANTS

- Member in project sponsored by the National Research Center under the title "integrated environmental assessment of Al-Sadat city" (2004-2006).
- Member in project sponsored by the National Research Center under the title "Environmental assessment of suspected carcinogenic pollutants in Egypt" (2010-2013).
- Member in project sponsored by the National Research Center under the title "Impact of electrical appliances on electromagnetic waves level inside Egyptian homes" (2013-2016).
- Member in project sponsored by Jouf university under the title "improved spectrophotometric methods in comparison with novel spectrofluorimetric techniques for highly sensitive assessment of some nitroimidazole antibiotics in pharmaceutical formulations" (2016-2017).
- Principle investigator (PI) for a project sponsored by Jouf university under the title "Quantification of indoor volatile organic compounds (VOCs) in occupational and non-occupational environments in Sakaka city" (2016-2017).
- PI for a project sponsored by Jouf university under the title "Using of flower extracts of some plants in the northern region of Saudi Arabia as natural and ecofriendly corrosion inhibitors" (2018-2019).

TRAINING AND WORKSHOPS (Optional)

- Training in Hot Lab. Center (Egyptian Atomic Authority) in **different fields of chemical analysis** (July 1999 to December 2002).
- Training in Delta Company for Chemical Industries, specialized in **fertilizer industry** (August 2004-December 2004).
- Training course on: **Quality Management System based on ISO 9001:2008 (Requirements of the standard, documentation, Implementation & Internal Audit)** (15-20, October 2012).
- Training course on: **Use of Technology in Teaching** (3-4 August 2014).
- Training course on: **Exams and Students Evaluation Systems** (5-6 August 2014).
- Training course on: **Quality Standards in the education process** (4-5 August 2015).
- Training course on: **Scientific research ethics** (6 March 2019).
- Training course on: **Plagiarism and scientific documentation of research** (27 March 2019).

PUBLICATIONS

- A.S. Fouda, H.A. Mostafa, G.Y.El-Ewady and **M.A.El-Hashemy**, Low molecular weight straight chain diamines as corrosion inhibitors for Stainless steel type 304 in hydrochloric acid solution. J.Chem.Eng.Communication, 195(8) (2008) 934-947.
- H. S. Emira, A. A. Shakour, S. S. Abd El Rehim, I.A. Saleh, **M. A. El-Hashemy**, High performance protective coatings for non-ferrous metals, Anti-Corrosion Methods and Materials, 59(3) (2012) 139-149.
- H. S. Emira, A. A. Shakour, S. S. Abd El Rehim, I.A. Saleh, **M. A. El-Hashemy**, Evaluation of corrosion protection of carbon steel by anti-corrosive paints, Anti-Corrosion Methods and Materials, 59(5) (2012) 255 - 262.
- Alia A. Shakour, Sayed S. Abd El Rehim, Inas A. Saleh and **Mohammed A. El-Hashemy**, Temporal concentration variation of gaseous pollutants and ionic

species in Mansoura city, Egypt, In: Disposal of dangerous chemicals in urban areas and mega cities, NATO Science and Security series C: Environmental Security 2013, pp 273-290.

- Hisham A. Essawy, Alia A. El-Shakour, Magda E. Tawfik, Elham F. Mohamed, Salwa H. El-Sabbagh and **Mohammed A. El-Hashemy**, Composite membranes derived from immiscible NBR/SBR blends and amphiphilic montmorillonites: permeability evaluation of these membranes for benzene and toluene in their binary mixtures, RSC Adv., 2014, 4, pp. 33555-33563.
- Elham F. Mohamed, **Mohammed A. El-Hashemy**, Nasser M. Abdel-Latif & Waleed H. Shetaya, Production of sugarcane bagasse-based activated carbon for formaldehyde gas removal from potted plants exposure chamber, Journal of the Air & Waste Management Association, 2015, 65, pp. 1413 - 1420.
- **Mohammed A. El-Hashemy**, Ahmed A. Nazeer. Impact of soil and air contaminants on the composition of rail-head surface rust, Anti-Corrosion Methods and Materials, 2016, 63, pp. 116 – 127.
- Hazim M. Ali, **Mohammed A. El-Hashemy**. Analytical investigation of the influence of ornidazole on the native protein fluorescence. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 201, pp.178-184.
- **Mohammed A. El-Hashemy**, Hazim M. Ali. Characterization of BTEX group of VOCs and inhalation risks in indoor microenvironments at small enterprises. Science of the Total Environment, 2018, 645, 974- 983.
- Alsohaimi, I. H., **El-Hashemy, M. A.**, Al-Ruwaili, A. G., Seaf El-Nasr, T. A., & Almuaikel, N. S. (2020). Assessment of Trace Elements in Urban Road Dust of a City in a Border Province Concerning Their Levels, Sources, and Related Health Risks. *Archives of environmental contamination and toxicology*, 79(1), 23-38.
- **El-Hashemy, M. A.**, & Sallam, A. (2020). The inhibitive action of Calendula officinalis flower heads extract for mild steel corrosion in 1 M HCl solution. *Journal of Materials Research and Technology*, 9(6), 13509-13523.
- **El-Hashemy, M. A. E. S.**, & Alotaibi, N. F. (2021). Purification of benzene-laden air by static adsorption of benzene onto activated carbon prepared from *Diplotaxis acris* biomass. *Biomass Conversion and Biorefinery*, 1-15.
- **El-Hashemy, M. A.**, Hughes, A. E., Gengenbach, T., Glenn, A. M., & Cole, I. S. (2022). Combined influence of Ce (III) and iodide ions for corrosion protection

of AA 2024-T3 in acidic to neutral chloride-rich environments: Electrochemical and surface characterization studies. *Journal of Rare Earths*.

- Alharthi, N. H., **El-Hashemy, M. A.**, Derafa, W. M., Althobaiti, I. O., & Altaleb, H. A. (2022). Corrosion inhibition of mild steel by highly stable polydentate schiff base derived from 1, 3-propanediamine in aqueous acidic solution. *Journal of Saudi Chemical Society*, 101501.
- Hassan, H. M., El-Aassar, M. R., **El-Hashemy, M. A.**, Betiha, M. A., Alzaid, M., Alqhobisi, A. N., ... & Alsohaimi, I. H. (2022). Sulfanilic acid-functionalized magnetic GO as a robust adsorbent for the efficient adsorption of methylene blue from aqueous solution. *Journal of Molecular Liquids*, 361, 119603.
- Hassan M.A. Hassan, M.A. Betiha, Nabel A. Negm, Mohammed A. El-Hashemy, Mohamed Y. El-Sayed, M.R. El-Aassar, Ibrahim Hotan Alsohaimi (2022). Valuation of rice straw residues: Production of silylated methylcellulose containing propylamine and propylethylenediamine for use as anticorrosion and antibacterial *International Journal of Biological Macromolecules* 220, 1241–1252.