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Education and Academic Degrees

- (1) Ph.D. (1992): Northeastern University, Chemistry Department, Boston, **USA**.
- (2) M.Sc. (1983): Alexandria University, Chemistry Department, Alexandria, **Egypt**.
- (3) B.Sc. (1978): Alexandria University, Chemistry Department, Alexandria, **Egypt**

Academic Positions

- (1) **Spring 2010:** Visiting Professor to Sultan Qabous University, Muscat, Oman
- (2) **2008-2009:** Visiting Professor to University of Malaya, Kuala Lumpur, Malaysia
- (3) **Summer 2007:** Visiting Professor to CNU and Applied Research Center, Newport News, Virginia, **USA**
- (4) **2003-2008:** Professor of Analytical Chemistry, Faculty of Medicine, King Abdulaziz University, **KSA**.
- (5) **1999-2003:** Associate Professor of Analytical Chemistry, Faculty of Medicine, King Abdulaziz University, **KSA**.
- (6) **1998-1999:** Associate Professor of Analytical Chemistry, Faculty of Science, Alexandria University, Alexandria, **Egypt**.
- (7) **1992-1998:** Assistant Professor of Analytical Chemistry, Faculty of Science, Alexandria University, Alexandria, **Egypt**.

(9) **1985-1992:** Research and Teaching Assistant of Analytical and General Chemistry, Faculty of Science, Northeastern University, Boston, **USA**.

(10) **1978-1985:** Research and Teaching Assistant of Analytical and General Chemistry, Faculty of Science, Alexandria University, **Egypt**.

Administration Positions

(1) **1999-2008:** Head of the Analytical Chemistry Division, Faculty of Medicine, King Abdulaziz University, **KSA**.

(2) **2009-2012:** Head of the Analytical and Inorganic Chemistry Division, Faculty of Science, Alexandria University, Alexandria, **Egypt**.

(3) **2009-2012:** Executive Manager-Central Laboratory for Microanalysis, Faculty of Science, Alexandria University, Alexandria, **Egypt**.

Research Interests and Experiences

(1) **Nanochemistry:** Design and synthesis of new nano-materials for potential applications in various disciplines.

(2) **Solid Phase Extraction:** Design and applications of new solid phase methodology for normal and selective extraction, pre-concentration, separation, removal and determination of toxic and nontoxic species in different matrices.

(3) **Green Chemistry:** Design of new green methodologies and chemicals for implementation in analytical chemistry and environmental analytical chemistry.

(4) **Separation Techniques:** Applications of separation techniques such as GC, HPLC, GC/MS for separation, identification, and quantitation of the analytes of interest already present in simple or complex matrices.

(3) **Mass Spectrometry:** For structural identification and molecular weight determination by **MS** or **MS/MS**.

(4) **Spectroscopic Methods of Analysis:** For qualitative and quantitative analysis of organic and inorganic species by flame and flameless atomic absorption spectrophotometry, FT-IR, GC/MS, and other hyphenated techniques.

Research Projects

Participant in a number of research projects.

- Faculty of Science, Northeastern University, Boston, **USA** (1985-1992)
- CNU and Applied Research Center, Virginia, **USA** (2007).
- Faculty of Medicine, King Abdulaziz University, **KSA** (1999-2008).
- Faculty of Science, University of Malaya, Kuala Lumpur, **Malaysia** (2008-2009).
- Faculty of Science, Alexandria University, Alexandria, **Egypt** (2010-2011).

ACADEMIC AND SCIENTIFIC ACTIVITIES

(1) Member of the analytical chemical society of **Egypt**.

(2) Member of the federation of analytical chemistry and spectroscopic societies (FACSS), **USA**.

(3) Member of the American chemical society (ACS), **USA**.

(4) Member of the American society for mass spectrometry (ASMS), **USA**.

(5) Participant in a number of international conferences

(6) Reviewer for major analytical and environmental chemistry journals including

- Analytical Chemistry
- Analytica Chimica Acta
- Talanta
- Journal of Hazardous Materials
- Desalination
- Desalination and Water Treatments

- Separation Science and Technology
- Chemical Engineering Journal
- Microchimica Acta
- International Journal of Environmental and Analytical Chemistry
- Journal of Liquid Chromatography & Related Technologies
- Journal of Polymer Science
- Functional Polymers
- Journal of Industrial and Engineering Chemistry
- Journal of Environmental Engineering ASCE
- Clean Soil, Air and Water
- Others

List of Publications

1. **Mohamed E. Mahmoud**, G.M. Nabil, N.M. El-Mallah, S. Karar, Desalination and Water Treatment (2014) 1–14
2. G.M. Nabil, N.M. El-Mallah, **Mohamed E. Mahmoud**, Journal of Industrial and Engineering Chemistry 20 (2014) 994–1002.
3. A. A.M. Farag, M.K. Obada, **Mohamed E. Mahmoud**, Polyhedron 71 (2014) 75–84.
4. **Mohamed E. Mahmoud**, R.H.A. Mohamed, Journal of Environmental Chemical Engineering 2 (2014) 715–722.
5. **Mohamed E. Mahmoud**, R.H.A. Mohamed, Separation Science and Technology 49 (2014) 868-876.
6. **Mohamed E. Mahmoud**, M.K. Obada, Chemical Engineering Journal 252 (2014) 355-361.
7. **Mohamed E. Mahmoud**, Journal of Environmental Management (2014) In press.
8. Tarek M. Abdelfattah, **Mohamed E. Mahmoud**, Maher M. Osman, Somia B. Ahmed, Journal of Environmental Science and Health 49 (2014) 1064-1076.
9. **Mohamed E. Mahmoud**, M.K. Obada, T.S. Kassem, Chemical Engineering Journal 230 (2013) 210–219.
10. H.M. Al-Bishri, **Mohamed E. Mahmoud**, Clean-soil, air, water 41 (2013) 773–779.
11. **Mohamed E. Mahmoud**, Mohamed S. Abdelwahab, Eiman M. Fathallah, Chemical Engineering Journal 223 (2013) 318–327
12. **Mohamed E. Mahmoud**, Amr A. Yakout, Hany Abdel-Aal, Maher M. Osman, Bioresource Technology 134 (2013) 324–330.
13. **Mohamed E. Mahmoud** and Hassan M. Al-bishri, Separation Science and Technology, 48 (2013) 931–940.
14. **Mohamed E. Mahmoud**, Hassan M. Albishri, Desalination and water treatment, 49 (2012) 348-358.
15. **Mohamed E. Mahmoud**, Hassan M. Al-bishri, J. Environ. Eng. ASCE 138 (2012) 1138-1145.

16. **Mohamed E. Mahmoud**, Ali E. Elkholi, Taher S. Kasem, Mohamed K. Ebada, Journal of Industrial and Engineering Chemistry **18 (2012) 2191–2198**.
17. Hassan M. Al-bishri, Tarek M. Abdel-Fattah, **Mohamed E. Mahmoud**, Journal of Industrial and Engineering Chemistry **18 (2012) 1252-1257**
18. **Mohamed E. Mahmoud**, Maher M. Osman, Somia B. Ahmed, Tarek M. Abdelfattah, The Scientific World Journal **Volume 2012, Article ID 604198, 11 pages, 2012**.
19. A.A.M. Farag , Sawsan M.S. Haggag, **Mohamed E. Mahmoud**, Spectrochimica Acta Part A **82 (2012) 467– 474**
20. Sawsan M.S. Haggag, **Mohamed E. Mahmoud**, Indian Journal of Chemistry **50A (2011) 1689-1696**
21. **Mohamed E. Mahmoud**, Amr A. Yakout, Hany Abdel-Aal, Maher M. Osman, Bioresource Technology **106 (2012) 125-132**.
22. **Mohamed E. Mahmoud**, Maher M. Osman, Somia B. Ahmed, Tarek M. Abdelfattah, Journal of Environmental Science and Health, **Part A 47 (2012) 130–141**.
23. **Mohamed E. Mahmoud**, Maher M. Osman, Somia B. Ahmed, Tarek M. Abdelfattah, Chemical Engineering Journal **175 (2011) 84– 94**.
24. Tarek M. Abdel-Fattah, Sawsan M.S. Haggag, **Mohamed E. Mahmoud**, Chemical Engineering Journal **175 (2011) 117– 123**.
25. Sawsan M.S. Haggag, A.A.M. Farag , **Mohamed E. Mahmoud**, Polyhedron **30 (2011) 2723–2732**.
26. A.A.M. Farag , Sawsan M.S. Haggag, **Mohamed E. Mahmoud**, Spectrochimica Acta Part A **82 (2011) 467– 474**
27. Tarek M. Abdel-Fattaha, **Mohamed E. Mahmoud**, Chemical Engineering Journal **172 (2011) 177– 183**.
28. **Mohamed E. Mahmoud**, Amr A. Yakout, Hany Abdel-Aal, Maher M. Osman, Desalination **279 (2011) 291–297**.
29. **Mohamed E. Mahmoud**, Sawsan M.S. Haggag, Chemical Engineering Journal **171 (2011) 181–189**.
30. Sawsan M.S. Haggag, E.I. Fathallah, **Mohamed E. Mahmoud**, M. Abdel Rafea, A.A.M. Farag, Polyhedron **30 (2011) 1752–1759**.
31. **Mohamed E. Mahmoud**, Sawsan M.S. Haggag, Chemical Engineering Journal **166 (2011) 916–922**
32. **Mohamed E. Mahmoud**, Hassan M. Al-Bishri, Chemical Engineering Journal **166 (2011) 157–167**
33. **Mohamed E. Mahmoud**, Desalination **266 (2011) 119–127**.
34. **Mohamed E. Mahmoud**; Osama F. Hafez; Maher M. Osman; Essam Elmelegy, Separation Science and Technology **45 (2010) 1302 -1312**.

35. **Mohamed E. Mahmoud**, Osama F. Hafez, Maher M. Osman, Amr A. Yakout, Ahmed Alrefaay, Journal of Hazardous Materials **176 (2010) 906-912**.
36. **Mohamed E. Mahmoud**, Osama F. Hafez, Ahmed Alrefaay, Maher M. Osman, Desalination, **253 (2010) 9-15**.
37. **Mohamed E. Mahmoud**, Maher M. Osman, Osama F. Hafez, Abdelrahman H. Hegazi, Essam Elmelegy, Desalination, **251 (2010) 123-130**.
38. **Mohamed E. Mahmoud**, Maher M. Osman, Osama F. Hafez, Essam Elmelegy, Journal of Hazardous Materials, **173 (2010) 349-357**.
39. **Mohamed E. Mahmoud**, Hassan M. AlBishri, Journal of Saudi Chemical Society **14 (2010) 105-115**.
40. **Mohamed E. Mahmoud**, Sawsan S. Haggag, M. Abdel Rafea, Tarek M. Abdel-Fattah, Polyhedron **28 (2009) 3407-3414**.
41. **Mohamed E. Mahmoud**, Amr A. Yakout, Maher M. Osman, Journal of Hazardous Materials **164 (2009) 1036-1044**.
42. **Mohamed E. Mahmoud**, Sawsan S. Haggag, Tarek M. Abdel-Fattah, Polyhedron **28 (2009) 181-187**.
43. **Mohamed E. Mahmoud**, Amr A. Yakout, Somia B. Ahmed, Maher M. Osman, Journal of Hazardous Materials **158 (2008) 541-548**.
44. **Mohamed E. Mahmoud**; Amr A. Yakout; Somia B. Ahmed; Maher M. Osman, Journal of Liquid Chromatography & Related Technologies **31 (2008) 2475-2492**.
45. **Mohamed E. Mahmoud**, Amr A. Yakout, Somia B. Ahmed, Maher M. Osman, Journal of Hazardous Materials **158 (2008) 541-548**.
46. **Mohamed E. Mahmoud**, Ibrahim M.M. Kenawy, Ezzat M. Soliman, Medhat.A. Hafez, Magda A.A. Akl and Rabab R.A.Lashein , Analytical Scinces **24 (2008) 381-387**.
47. **Mohamed E. Mahmoud**; Amr A. Yakout; Somia B. Ahmed; Maher M. Osman, International Journal of Environmental Analytical Chemistry **88 (2008) 1017-1031**.
48. **Mohamed E. Mahmoud**, Sawsan S. Haggag, Tarek M. Abdel-Fattah, Polyhedron **26 (2007) 3956-3962**.
49. **Mohamed E. Mahmoud**, Sawsan S. Haggag, Abdelrahman H. Hegazi, Journal of Colloid and Interface Science **300 (2006) 94-99**.
50. **Mohamed E. Mahmoud**, Encyclopedia of Chromatography: Second Edition, **Published on 27 March (2006)**.
51. **Mohamed E. Mahmoud**, Mohammed S.M. Al Saadi, Annali di Chimica, **95 (2005) 465-472**.
52. **Mohamed E. Mahmoud**, Mohyi M. El-Essawi, Sherif A. Kholeif, Eiman M. I. Fathalla, Analytica Chimica Acta **525 (2004) 123-132**.

53. **Mohamed E. Mahmoud**, Mohyi M. El-Essawi, Eiman M. I. Fathalla, Journal of Liquid Chromatography & Related Technologies **27 (2004) 1711-1727**.
54. **Mohamed E. Mahmoud**, Mamdouh S. Masoud, Nermen N. Maximous, Microchimica Acta, **147 (2004) 111-115**.
55. Maher M. Osman, Sherief A. Kholeif, Neven A. Abou Al Maatay, **Mohamed E. Mahmoud**, Analytical Sciences. **20 (2004) 847-852**.
56. **Mohamed E. Mahmoud**, Ezzat M. Soliman, Journal of Liquid Chromatography & Related Technologies **26 (2003) 3045-3056**.
57. **Mohamed E. Mahmoud**, Amina A. Soayed and Osama F. Hafez, Microchimica Acta, **143 (2003) 65-70**.
58. Maher M. Osman, Sherif A. Kholeif, Neven A. Abou Al-Maaty and **Mohamed E. Mahmoud**, Microchimica Acta, **143 (2003) 25-31**.
59. **Mohamed E. Mahmoud**, Analytical Letters **35 (2002) 1251-1267**.
60. Ezzat M. Soliman; **Mohamed E. Mahmoud**, Salwa A. Ahmed, International Journal of Environmental Analytical Chemistry **82 (2002) 403-413**.
61. **Mohamed E. Mahmoud**, Journal of Liquid Chromatography & Related Technologies **25 (2002) 1187-1199**.
62. **Mohamed E. Mahmoud**, Mohammed S. M. Al Saadi, , Analytica Chimica Acta **450 (2001) 239-246**.
63. **Mohamed E. Mahmoud** and **Maher M. Osman**, Analytical Sciences, **17 (2001) i1093- i1096**.
64. Ezzat M. Soliman, **Mohamed E. Mahmoud**, Talanta **54 (2001) 243-253**.
65. **Mohamed E. Mahmoud**, Maher M. Osman, Mohamed E. Amer, Analytica Chimica Acta **415 (2000) 33-40**.
66. **Mohamed E. Mahmoud**, Gamal A. Gohar, Talanta **51 (2000) 77-87**.
67. Esmat F. Saad, Fatma E. M. El-Hegazy, **Mohamed E. Mahmoud**, Ezzat A. Hamed, Rapid Commun. Mass Spectrom. **14 (2000) 1208**.
68. **Mohamed E. Mahmoud**, Analytica Chimica Acta **398 (1999) 297-304**.
69. **Mohamed E. Mahmoud**, Ezzat M. Soliman, Talanta **44 (1997) 1063-1071**.
70. **Mohamed E. Mahmoud**, Talanta **45 (1997) 309-315**.
71. **Mohamed E. Mahmoud**, Ezzat M. Soliman, Talanta **44 (1997) 15-22**.
72. **Mohamed E. Mahmoud**, Ezzat M. Soliman, Ali El-Dissouky, Analytical Sciences **13 (1997) 765-769**.
73. **Mohamed E. Mahmoud**, Ezzat M. Soliman, Analisis **45 (1997) 148**.

74. Fatma E. M. El-Hegazy, **Mohamed E. Mahmoud**, Esmat F. Saad, Ezzat A. Hamed, Rapid Commun. Mass Spectrom. **11 (1997) 316**.
75. **Mohamed E. Mahmoud**, Analytical Letters **29 (1996) 1791-1804**.
76. **Mohamed E. Mahmoud**, Journal of Chromatography A **719 (1996) 474-478**.
77. **Mohamed E. Mahmoud**, Adel M. Moussa, David A. Forsyth, Paul Vouros, Journal of Chromatography A **549 (1991) 416-422**.