

PERSONAL INFORMATION



Mohamed Taha Ahmed Amin

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Sex male | Date of birth 29/08/1978 | Nationality Egyptian

POSITION

Lecturer, Materials science and nanotechnology, Faculty of Postgraduate Studies for Advanced Sciences, Beni-Suef University, Beni-Suef, Egypt.

WORK EXPERIENCE

- [10/2017- till now] Lecturer of materials science and nanotechnology in faculty of postgraduates for advanced sciences, Beni- Suef University
- [02/2017-10/2017] Faculty visiting at Sultan Qaboos University, College of Science, Chemistry Department, Muscat, Sultanate of Oman.
- [01/2015-12/2016] Occupational Safety & Health Chemist, Manpower & Migration Ministry, Egypt.
- [01/2013-05/2014] Post Doctor Fellow, Chemistry Dept., University of Aveiro, Portugal.
- [03/2010-12/2012] Post Doctor Fellow, Chemical Engineering Dept., NTUST, Taiwan.
- [04/2008-02/2010] PhD NTUST Scholarship, Chemical Engineering Dept., NTUST, Taiwan.
- [08/2006-08/2007] Director of Planning & Evaluation, Arabian Fire Safety Academy, Kingdom of Saudi Arabia.
- [02/2005-08/2006] Fire Safety Instructor, Arabian Fire Safety Academy, Kingdom of Saudi Arabia.
- [08/2005-02/2006] Fire Safety Assistance's Instructor, Arabian Fire Safety Academy, Kingdom of Saudi Arabia.
- [2004-2005] Chemistry Instructor, Industrial Education College, Egypt, Part Time.
- [2002-2005] Occupational Safety & Health Chemist, Manpower & Migration Ministry, Egypt.
- [2000-2002] Chemist, Dying Factory, Egypt.

EDUCATION AND TRAINING

EDUCATION

- [01.2010] Ph.D. Physical Chemistry, National Taiwan University of Science and Technology (NTUST), Taiwan.
- [01.2005] M.Sc. Analytical Chemistry, Cairo University, Beni-Suef Branch, Egypt.
- [06.1999] B.Sc. Chemistry, Cairo University, Beni-Suef Branch, Egypt.

TRAINING

Employee Training

1. The Credit Hour Systems, Beni-Suef University, 2017.
2. Exams and Students Evaluation Systems, Beni-Suef University, 2017.
3. Effective Teaching Skills, Beni-Suef University, 2017.
4. Competing for Research Funds, Beni-Suef University, 2017.
5. University Management, Beni-Suef University, 2017.
6. University Code of Ethics, Beni-Suef University, 2017.

Fire Safety Training

7. Safety and loss Prevention, Arab Fire Safety & Security Academy (AFSSAC), Saudi Arabia, 28/01/2006 to 09/02/2006.
8. Safe Handling of Hazardous Materials, Arab Fire Safety & Security Academy (AFSSAC), Saudi Arabia, 14/01/2006 to 26/01/2006.
9. Building Safety Requirements, Arab Fire Safety & Security Academy (AFSSAC), Saudi Arabia, 07/01/2006 TO 12/01/2006.
10. Building Safety Requirements, Arab Fire Safety & Security Academy (AFSSAC), Saudi Arabia, 07/01/2006 TO 12/01/2006.
11. Automatic Extinguishing System, Arab Fire Safety & Security Academy (AFSSAC), SAUDI ARABIA, 17/12/2005 TO 22/12/2005.
12. Portable Fire Extinguishers, Arab Fire Safety & Security Academy (AFSSAC), Saudi Arabia, 10/12/2005 TO 15/12/2005.
13. Advanced Fire Fighting, Arab Fire Safety & Security Academy (AFSSAC), Saudi Arabia, 26/11/2005 TO 08/12/2005
14. Preplanning For Fire Prevention & Fire Fighting, Arab Fire Safety & Security Academy (AFSSAC), Saudi Arabia, 22/10/2005 TO 24/11/2005.
15. Modern Safety Management, Arab Fire Safety & Security Academy (AFSSAC), Saudi Arabia, 08/10/2005 TO 19/10/2005.
16. Occupational Safety and Health, Arab Fire Safety & Security Academy (AFSSAC), Saudi Arabia, 03/09/2005 TO 05/10/2005.

PERSONAL SKILLS

Mother tongue(s) Arabic

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Excellent	Excellent	Excellent	Excellent	Excellent

Communication skills good communication skills

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Software

Gaussian 09; Groningen Machine for Chemical Simulations (GROMACS); Materials Studio, TURBOMOLE 6.1; COSMOtherm; Hyperchem; Hyperquad2008; Virtual Molecular Dynamics (VMD); Aspen Plus; Molegro Virtual Docker; Autodock Vina; ChemOffice; Microsoft office package.

Driving licence B

ADDITIONAL INFORMATION

Publications

1. I. Ling, Mohamed Taha, N. A. Al-Sharji, O.K. Abou-Zied, Selective binding of pyrene in subdomain IB of human serum albumin: Combining energy transfer spectroscopy and molecular modelling to understand protein binding flexibility, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 2018, 194, 36–44.
2. R.M. Abdelhameeda, H. Abdel-Gawad, Mohamed Taha, B Hegazi, Separation of bioactive chamazulene from chamomile extract using metal-organic framework, J. Pharm. Biomed. Anal. 2017, 146, 126–134.
3. A. Rani, Mohamed Taha, P. Venkatesu, M.-J. Lee, Coherent Experimental and Simulation Approach to Explore the Underlying Mechanism of Denaturation of Stem Bromelain in Osmolytes. J.Phys.Chem. B, 2017, 121 6456–6470.
4. Mohamed Taha, M.V. Quental, F.A. Silva, E.V. Capela, M.G. Freire, S.P.M. Ventura, J.A.P. Coutinho, Good's Buffer Ionic Liquids as Relevant Phase-Forming Components of Self-Buffered Aqueous Biphasic Systems. J.

- Chem. Technol. Biotechnol. 2017, 92, 2287–2299
5. B.S. Gupta, Mohamed Taha, M.-J. Lee, A green process for recovery of 1-propanol/2-propanol from their aqueous solutions: Experimental and MD simulation studies. *J. Chem. Thermodyn.* 2017, 105, 76–85.
 6. S. Altway, Mohamed Taha, M.-J. Lee, Phase Separation of Alcohol (1-Propanol, 2-Propanol, or tert-Butanol) from Its Aqueous Solution in the Presence of Biological Buffer MOPS, *J. Chem. Eng. Data* (2017) DOI: 10.1021/acs.jced.6b00954
 7. B.S. Gupta, M.Y. Fang, Mohamed Taha, M.-J. Lee, Separation of 1,3-Dioxolane, 1,4-Dioxane, Acetonitrile and tert-Butanol from Their Aqueous Solutions by Using Good's Buffer HEPES-Na as an Auxiliary Agent, *J. Taiwan Inst. Chem. Eng.* 2016, 66, 43–53.
 8. Mohamed Taha, J.A.P. Coutinho, Organic-Phase Biological Buffers for Biochemical and Biological Research in Organic Media. *J. Mol. Liq.* 2016, 221, 197–205.
 9. Mohamed Taha, Designing New Mass-Separating Agents Based on Piperazine-Containing Good's Buffers for Separation of Propanols and Water Azeotropic Mixtures using COSMO-RS Method. *Fluid Phase Equilib.* 2016, 425, 40–46.
 10. D. Hartanto, B.S. Gupta, Mohamed Taha, M.-J. Lee, Isobaric Vapor-Liquid Equilibrium of tert-Butanol + Water System with Biological Buffer TRIS at 101.3. *J. Chem. Thermodyn.* 2016, 98, 159–164.
 11. B.S. Gupta, Mohamed Taha, M.-J. Lee, Extraction of Active Enzyme by Self-Buffering Ionic Liquids: A Green Medium for Enzymatic Research. *RSC Adv.* 2016, 6, 18567–18576.
 12. I. Khan, Mohamed Taha, S.P. Pinho, J.A.P. Coutinho, Study of the Interactions of Pyridinium, Pyrrolidinium or Piperidinium based Ionic liquids with Water. *Fluid Phase Equilib.* 2016, 414, 93–100.
 13. Mohamed Taha, I. Khan, J.A.P. Coutinho, Complexation and Molecular Modeling Studies of Europium(III)-Gallic Acid-Amino Acid Complexes. *J. Inorg. Biochem.* 2016, 157, 25–33.
 14. Mohamed Taha, I. Khan, J.A.P. Coutinho, Coordination Abilities of Good's Buffer Ionic Liquids Toward Europium(III) Ion in Aqueous Solution. *J. Chem. Thermodyn.* 2016, 94, 152–159.
 15. B.S. Gupta, Mohamed Taha, M.-J. Lee, Self-buffering and biocompatible ionic liquid based biological media for enzymatic research. *RSC Adv.* 2015, 5, 106764–106773.
 16. S.Y. Lee, F. Vicente, F.A. Silva, T. Sintra, Mohamed Taha, I. Khoiroh, J.A.P. Coutinho, P.L. Show, S.P.M. Ventura, Evaluating self-buffering ionic liquids for biotechnological applications. *ACS Sustainable Chem. Eng.*, 2015, 3, 3420–3428.
 17. A. Luís, T.B.V. Dinis, H. Passos, Mohamed Taha, M.G. Freire, Good's Buffers as Novel Phase-Forming Components of Ionic-Liquid-Based Aqueous Biphasic Systems. *Biochem. Eng. J.* 2015, 101, 142–149
 18. Mohamed Taha, M.R. Almeida, F.A. e Silva, P. Domingues, S.P.M. Ventura, J.A.P. Coutinho, M.G. Freire*, Novel Biocompatible and Self-Buffering Ionic Liquids for Biopharmaceutical Applications. *Chem. Eur. J.*, 2015, 21, 4781–4788.
 19. B.S. Gupta, Mohamed Taha, M.-J. Lee. Buffers more than Buffering Agent: Introducing A New Class of Stabilizers for the Protein BSA. *Phys. Chem. Chem. Phys.* 2015, 17, 1114–1133.
 20. P.M. Reddy, Mohamed Taha, Y.V.R.K. Sharma, Pannuru Venkatesu, MingJee Lee, Quantifying the Co-Solvents Effects on Trypsin from the Digestive System of Carp Catla Catla by Biophysical techniques and molecular dynamics simulation. *RSC Adv.* 2015, 5, 43023–43035-
 21. Mohamed Taha, M.V. Quental, I. Correia, M.G. Freire, J.A.P. Coutinho, Extraction and Stability of Bovine Serum Albumin (BSA) using Cholinium-Based Good's Buffers Ionic Liquids. *Process. Biochem.* 2015, 50, 1158–1166.
 22. S. Altway, Mohamed Taha, M.-J. Lee. Liquid-Liquid, Solid-Liquid, and Solid-Liquid-Liquid Equilibria of Systems Containing Cyclic Ether (Tetrahydrofuran or 1,3-Dioxolane), Water, and A Biological Buffer MOPS. *J. Chem. Thermodyn.* 2015, 82, 93–98.
 23. Mohamed Taha, F.A. e Silva, M.V. Quental, S.P.M. Ventura, M.G. Freire, J.A.P. Coutinho. Good's Buffers as a Basis for Developing Self-Buffering and Biocompatible Ionic Liquids for Biological Research. *Green Chem.* 2014, 16, 3149–3159.
 24. I. Khan, Mohamed Taha, P. Ribeiro-Claro, S.P. Pinho, J.A.P. Coutinho. The Effect of the Cation on the Interactions between Alkyl Methyl Imidazolium Chloride Ionic Liquids and Water. *J. Phys. Chem. B* 2014, 118, 10503–10514.
 25. B.S. Gupta, Mohamed Taha, M.-J. Lee. Superactivity of α -Chymotrypsin with Biological Buffers, TRIS, TES, TAPS, and TAPSO in Aqueous Solutions. *RSC Adv.*, 2014, 4, 51111–51116.
 26. R. Oktavian, Mohamed Taha, M.-J. Lee. Experimental and Computational Study of CO₂ Storage and Sequestration with Aqueous 2-amino-2-hydroxymethyl-1,3-propanediol (TRIS) solutions. *J. Phys. Chem. A* 2014, 118, 11572–11582.
 27. A. Kumar, P. Venkatesu, Mohamed Taha, M.-J. Lee. Thermodynamic Contribution of Amino Acids in Ionic Liquids Towards Protein Stability. *Current Biochemical Engineering* 2014, 1, 125–140.
 28. Mohamed Taha, M.-J. Lee. TES Buffer-Induced Phase Separation of Aqueous Solutions of Several Water-Miscible Organic Solvents at 298.15 K: Phase Diagrams and Molecular Dynamic Simulations. *J. Chem. Phys.* 2013, 138, 244501–244514. (Selected as the cover image of this issue)
 29. Mohamed Taha, I. Khoiroh, M.-J. Lee. Phase Behavior and Molecular Dynamics Simulation Studies of New Aqueous Two-Phase Separation Systems Induced by HEPES Buffer. *J. Phys. Chem. B* 2013, 117, 563–582.
 30. Mohamed Taha, H. L. Teng, M.-J. Lee. Buffering-out: Separation of Tetrahydrofuran, 1,3-Dioxolane, or 1,4-Dioxane from their Aqueous Solutions using EPPS Buffer at 298.15 K. *Sep. Purif. Technol.* 2013, 105, 33–40.
 31. P.M. Reddy, Mohamed Taha, A. Kumar, P. Venkatesu, M.-J. Lee. Interruption of Hydration State of Thermoresponsive Polymer in Guanidinium Hydrochloride, *Polymer*, 2013, 54, 791–797.
 32. B.S. Gupta, Mohamed Taha, M.-J. Lee. Interactions of Bovine Serum Albumin with Biological Buffers, TES, TAPS, and TAPSO in Aqueous Solutions, *Process. Biochem.* 2013, 48, 1686–1696.
 33. B. S. Gupta, Mohamed Taha, M.-J. Lee. Stability Constants for the Equilibrium Models of Iron(III) with Several Biological Buffers in Aqueous Solutions. *J. Solution Chem.* 2013, 42, 2296–2309.
 34. P.M. Reddy, Mohamed Taha, P. Venkatesu, A. Kumar, M.-J. Lee. Destruction of Hydrogen Bonds of Poly(N-isopropylacrylamide) Aqueous Solution by Trimethylamine N-Oxide. *J. Chem. Phys.* 2012, 136, 234904.
 35. Mohamed Taha, H. L. Teng, M.-J. Lee. Phase Diagrams of Acetonitrile or Acetone + Water + EPPS Buffer

- Phase Separation Systems at 298.15 K and Quantum Chemical Modeling. *J. Chem. Thermodyn.* 2012, 54, 134-141.
36. Mohamed Taha, H.L. Teng, M.-J. Lee. The Buffering-Out Effect and Phase Separation in Aqueous Solutions of EPPS Buffer + 1-Propanol, 2-Propanol, or 2-Methyl-2-propanol at 298.15 K. *J. Chem. Thermodyn.* 2012, 47, 154-161.
 37. Mohamed Taha, B.S. Gupta, I. Khoiroh, M.-J. Lee. Interactions of Biological Buffers with Macromolecules: the Ubiquitous "Smart" Polymer PNIPAM and the Biological Buffers MES, MOPS, and MOPSO. *Macromolecules* 2011, 44, 8575-8589.
 38. Mohamed Taha, B.S. Gupta, M.-J. Lee. Complex Equilibria in Aqueous Solutions of Chromium (III) with Some Biological pH Buffers. *J. Chem. Eng. Data* 2011, 56, 3541-3551.
 39. A.E. Fazary, E. Hernowo, A.E. Angkawijaya, T.-C. Chou, C.H. Lin, Mohamed Taha, Y.-H. Ju. Complex Formation between Ferric (III), Chromium (III), and Cupric (II) Metal Ions and (O, N) & (O, O) Donor Ligands with Biological Relevance in Aqueous Solution. *J. Solution Chem.* 2011, 40, 1965-1986.
 40. A.E. Angkawijaya, A.E. Fazary, E. Hernowo, Mohamed Taha, Y.-H. Ju. Iron(III), Chromium(III) and Copper(II) Complexes of L-Norvaline and Ferulic Acid. *J. Chem. Eng. Data* 2011, 56, 532-540.
 41. Mohamed Taha, M.-J. Lee. Solubility and Phase Separation of 4-Morpholineethanesulfonic Acid (MES) and 4-(N-Morpholino)butanesulfonic Acid (MOBS) in Aqueous 1,4-Dioxane and Ethanol Solutions. *J. Chem. Eng. Data* 2011, 56, 4436-4443.
 42. Mohamed Taha, M.-J. Lee. Solubility and Phase Separation of 4-Morpholinepropanesulfonic Acid (MOPS), and 3-Morpholino-2-hydroxypropanesulfonic Acid (MOPSO) in Aqueous 1,4-Dioxane and Ethanol Solutions. *J. Chem. Thermodyn.* 2011, 43, 1723-1730.
 43. Mohamed Taha, M.-J. Lee. Interactions of TRIS [tris(hydroxymethyl) aminomethane] and Related Buffers with Peptide Backbone: Thermodynamic Characterization. *Phys. Chem. Chem. Phys.* 2010, 12, 12840-12850.
 44. Mohamed Taha, M.-J. Lee. New Insights into Buffer-Ionic Salt Interactions: Solubilities, Transfer Free Energies, and Transfer Molar Volumes of TAPS and TAPSO from Water to Aqueous Electrolyte Solutions. *J. Solution Chem.* 2010, 39, 1665-1680.
 45. Mohamed Taha, M.-J. Lee. Volumetric Properties of MES, MOPS, MOPSO, and MOBS in Water and in Aqueous Electrolyte Solutions. *Thermochimica Acta* 2010, 505, 86-97.
 46. Mohamed Taha, M.-J. Lee. Buffer Interactions: Solubilities and Transfer Free Energies of TRIS, TAPS, TAPSO, and TABS from Water to Aqueous Ethanol Solutions. *Fluid Phase Equilib.* 2010, 289, 122-128.
 47. H.A. Ewais, Mohamed Taha, and H.N. Salm. Palladium(II) Complexes Containing Dipicolinic Acid (DPA), Iminodiacetic Acid (IDA), and Various Biologically Important Ligands. *J. Chem. Eng. Data* 2010, 55, 754-758.
 48. Mohamed Taha, M.M. Khalil, A.T. Ahmed. Binary and Ternary Complexes of Hydroxamic Acids. *Inorganic Chemistry: An Indian Journal (ICAIJ)* 2008, 3 (2), 118-122.
 49. Mohamed Taha, M.-J. Lee. Buffers and Ionic Salts: Densities and Solubilities of Aqueous and Electrolyte Solutions of Tris(Hydroxymethyl) Aminomethane (TRIS) and N-tris[Hydroxymethyl]-4-amino-butanesulfonic Acid (TABS). *J. Chem. Eng. Data* 2009, 54, 2501-2512.
 50. Mohamed Taha, M.-J. Lee. Buffer Interactions: Densities and Solubilities of Some Selected Biological Buffers in Water and in Aqueous 1,4-Dioxane Solutions. *Biochem. Eng. J.* 2009, 46, 334-344.
 51. Mohamed Taha, M.-J. Lee. Interaction of Biological Buffers with Electrolytes: Densities of Aqueous Solutions of Two Substituted Aminosulfonic Acids and Ionic Salts from (298.15 to 328.15) K. *J. Chem. Thermodyn.* 2009, 41, 705-715.
 52. A.E. Fazary, Mohamed Taha, Y.-H. Ju. Iron Complexation Studies of Gallic Acid. *J. Chem. Eng. Data* 2009, 54, 35-42.
 53. Mohamed Taha,* R.A. Saqr, A.T. Ahmed. Thermodynamic Studies on Complexation of Divalent Transition Metal Ions With Some Zwitterionic Buffers for Biochemical and Physiological Research. *J. Chem. Thermodynamics*, 2007, 39, 304-308.
 54. Mohamed Taha, M.M. Khalil, A.T. Ahmed. Physico-chemical Studies of Ternary Chelates in Solution: Stability Constant of Ternary Chelates of Cu(II), Ni(II), and Co(II) with N-Tris (Hydroxymethyl) methyl]glycine and Various Biologically Relevant Ligands. *Physical Chemistry: An Indian Journal (PCAIJ)* 2007, 2 (3), 207-2016.
 55. Mohamed Taha, A.T. Ahmed, R.A. Saqr, S.A. Mohamed. Potentiometric and Thermodynamic Studies of the Protonation Equilibria and Metal Ions Complexation of Some Zwitterionic Buffers in NaNO₃ Solutions in Water and in Mixtures of Water and Dioxane. *Physical Chemistry: An Indian Journal (PCAIJ)* 2007, 2 (1), 112-119.
 56. Mohamed Taha, Mixed Ligand Complexes in Solution: Metal Ions-Salicylhydroxamic Acid-Benzohydroxamic Acid Systems. *Inorganic Chemistry: An Indian Journal (ICAIJ)*, 2006, 1 (3).
 57. Mohamed Taha, A.E. Fazary. Thermodynamic of the Second-stage Dissociation of 2-[N-(2-hydroxyethyl)-N-methylaminomethyl]-propenoic Acid (HEMPA) in Water at Different Ionic Strength and Different Solvent Mixtures. *J. Chem. Thermodyn.* 2005, 37, 43-48.
 58. Mohamed Taha, M.M. Khalil. Mixed Ligand Complex Formation Equilibria of Cobalt-, Nickel-, and N,N-Bis(2-hydroxyethyl)glycine Copper(II) with Bicine and some Amino Acids. *J. Chem. Eng. Data* 2005, 50, 157-163.
 59. Mohamed Taha. Buffers For the Physiological pH Range: Acidic Dissociation Constants Of Zwitterionic Compound in Various Hydroorganic Media. *Annali di Chimica* 2005, 95, 105-109.
 60. Mohamed Taha, M.M. Khalil, S.A. Mohamed. Metal Ion-Buffer Interactions. Complex Formation of [N,N-bis-(2-hydroxyethyl)glycine] (Bicine) with Various Biologically Relevant Ligands. *J. Chem. Eng. Data* 2005, 50, 882. (2004)
 61. Mohamed Taha, Thermodynamic Study of the Second-stage Dissociation of N,N- bis-2-hydroxyethyl) glycine (Bicine) in Water at Different Ionic Strength and Different Solvent Mixtures. *Annali di Chimica* 2004, 94, 971-978.
 62. M.M. Khalil,* Mohamed Taha, Equilibrium Studies of the Binary and Ternary Complexes Involving Tricine and Some Selected Amino Acids. *Monatshette für Chemie* 2004, 135, 385-395.

Presentations
 Conferences

1. Imran Khan, Mohamed Taha, Paulo Ribeiro-Claro, Simão P. Pinho, João A. P. Coutinho.* The Effect of the Cation on the Interactions between Alkyl Methyl Imidazolium Chloride Ionic Liquids and Water. 9th National Conference on Thermodynamics of Chemical, Biological, Environmental and Non-Conventional Energy Systems (TCBNES-2014), 17-18 October 2014, Gujarat, India.
2. I. Khan, Mohamed Taha, S.P. Pinho, J.A.P. Coutinho.* Study of the Interactions of Pyridinium, Pyrrolidinium or Piperidinium based Ionic liquids with Water: Infra-red Analysis and COSMO-RS Modeling. 9th National Conference on Thermodynamics of Chemical, Biological, Environmental and Non-Conventional Energy Systems (TCBNES-2014), 17-18 October 2014, Gujarat, India.
3. M.V. Quental, Mohamed Taha, F.A. e Silva, S.P.M. Ventura, M.G. Freire, J.A.P. Coutinho.* Extraction of Bovine Serum Albumin (BSA) by Aqueous Biphasic Systems (ABS) composed of Good's buffer ionic liquids. 12th International Chemical and Biological Engineering Conference (CHEMPOR 2014), September 10-12, 2014, Porto, Portugal.
4. Mohamed Taha, F.A. e Silva, S.P.M. Ventura, F. Gonçalves, J.A.P. Coutinho, Good Buffer Ionic Liquids: A New Class of Ionic Liquids for pH Control in Aqueous and Organic Media; X CICECO Meeting; Aveiro, 2013, Portugal.
5. Dhoni Hartanto, Mohamed Taha, Bhupender S. Gupta, Ming-Jer Lee, Isobaric Vapor-Liquid Equilibria For The Extractive Distillation of Tert-Butanol + Water Mixtures Using Tris (Hydroxymethyl) Aminomethane at 101.3 kPa, AISC-TAIWAN 2013, Taiwan.
6. Asalil Mustain, Bhupender S. Gupta, Mohamed Taha, Ming-Jer Lee, New class of ionic liquids: synthesis, structural characterization and thermal properties, AISC-TAIWAN 2013, Taiwan.
7. Mohamed Taha, Ming-Jer Lee. Phase Behavior of Aqueous Mixtures of Tetrahydrofuran with Biological Buffer HEPES. 15th International Symposium on Solubility Phenomena and Related Equilibrium Processes, Qinghai Institute of Salt Lakes, July 23-27, 2012, China.
8. Saidah Altway, Mohamed Taha, Ming-Jer Lee. Separation of 2-Propanol from Its Aqueous Solution with the Aid of a Biological Buffer MOPS. Symposium on Process System Engineering, May 25-26, 2012, Nantou, Taiwan.
9. A.E. Angkawijaya, E. Hernowo, A.E. Fazary, Mohamed Taha, Y.-H. Ju. pH Potentiometric Studies of Mixed Ligand Complex Formation of Iron(III)-Glycine Phenolic Acid. 14th Asia Pacific Confederation of Chemical Engineering (APCCHE 2012), February 21 – 24, 2012, Singapore.
10. Mohamed Taha, Ming-Jer Lee. The Effect of MES, MOPS, and MOPSO Buffers on the Conformation of the Ubiquitous "Smart" Polymer PNIPAM. International Conference on Innovation in Polymer Science and Technology, November 28-December 1, 2011, Bali, Indonesia.
11. Mohamed Taha, Ming-Jer Lee. Solubility and Phase Separation of MOPS and MOBS in Aqueous 1,4- Dioxane and Ethanol Solutions at 298.15 K. The 13th Asia Pacific Confederation of Chemical Engineering Congress, October 5-8, 2010, Taipei, Taiwan.
12. Mohamed Taha. TRIS[Tris(hydroxymethyl)aminomethane] and Related Buffers Interactions: Thermodynamic Characterization. Chemical Engineering Department, National Taiwan University of Science and Technology, December, 2010, Taipei, Taiwan. awards, memberships, references.

Honours and awards

- Prof. Y. P. Shih Paper Award, Taiwan Institute of Chemical Engineers, Taiwan, 2017
 Misr el Kheir Foundation, Scientific Publications Award, Egypt, 2010

Citations

763 (h-index:16)

Courses

Faculty of Postgraduate Studies for Advanced Sciences:
 NT605 Modeling & simulation
 NT510 Nanomaterials for catalysis
 Sultan Qaboos University
 CHEM 2101, General Chemistry I (Lab)
 CHEM 2101, General Chemistry I (Lab)
 CHEM 3335, Physical Chemistry I (Lab)
 CHEM 4435, Physical Chemistry II (Lab)