

CURRICULUM VITAE

Mohammad Jafarzadeh



Personal Data

Date/place of birth	1976, Iran
Marital status	Married
Languages	Persian (native), English (fluent), Danish (intermediate)
Job position	Associate Professor
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Education Records

2006–2010	Ph.D. in Chemistry, Universiti Sains Malaysia (USM), Penang, Malaysia
2001–2004	M.Sc. in Chemistry, University of Kurdistan (UOK), Sanandaj, Iran
1994–1999	B.Sc. in Chemistry, Islamic Azad University; North Tehran Branch, Iran

Experiences

- Associate Professor, Faculty of Chemistry, Razi University, Kermanshah, Iran, Dec. 2022–Sept. 2023
- Associate Professor, Faculty of Chemistry, Razi University, Kermanshah, Iran, 2018-Mar. 2022
- Assistant Professor, Faculty of Chemistry, Razi University, Kermanshah, Iran, 2011-2017
- Head of the Department of Organic Chemistry, Faculty of Chemistry, Razi University, Jan. 2017–May 2019 and Dec. 2020–Sept. 2021
- Deputy head of the Committee for Health, Safety, and Environment (HSE), Faculty of Chemistry, Razi University, Aug. 2020–Sept. 2021
- Member of the committee for recruiting faculties, Faculty of Chemistry, Razi University, Nov. 2020–Sept. 2021

Research

- Postdoctoral fellow, Department of Chemistry, Aarhus University, Aarhus, Denmark, April 2022–Nov. 2022
- Sabbatical Leave, Department of Chemistry, Aarhus University, Aarhus, Denmark, Oct. 2021–Mar. 2022
- Visiting Scientist, Département de Chimie Moléculaire, Université Grenoble Alpes, Grenoble, France, Host: Dr. Sylvie Chardon, Feb. 2020
- Guest researcher, Center for Catalysis Sustainable Chemistry, Technical University of Denmark (DTU), Lyngby, Denmark, Host: Prof. Søren Kegnæs, July 2019
- Guest researcher, Institute for Chemistry, Aarhus University, Aarhus, Denmark, Host: Prof. Kim Daasbjerg, July–Sept. 2015, 2016, 2017, and 2018
- Postdoctoral fellow, Faculty of Sciences and Natural Resources, Universiti Malaysia Sabah, Supervisor: Prof. Jedol Dayou, June 2013–Sept. 2014
- Visiting researcher, School of Chemical Sciences, Universiti Sains Malaysia, Host: Prof. Rohana Adnan, Aug.–Sept. 2011

Teaching

- Taught courses in BSc, MSc, and PhD levels, Razi University, Jan. 2011–Sept. 2021
- Invited lecturer, Universiti Malaysia Sabah (UMS), Sept. 2013
- Invited lecturer, Islamic Azad University, Shahre-rey Branch, 2010
- Teaching assistant and tutor, USM, 2007–2009
- Teaching assistant, UOK, 2003

Miscellaneous

- Reviewer: Journal of Colloid and Interface Science (Elsevier), ACS Applied Engineering Materials, ACS Sensors, Inorganic Chemistry (ACS), RSC Advances, Journal of Nanoparticle Research (Springer), Ceramics International (Elsevier), Journal of Applied Polymer Science (Wiley), Australian Journal of Chemistry (CSIRO), Nano Research (Springer), Advances in Polymer Technology (Wiley)
- Technical Program Committee: 2015 Global Conference on Polymer and Composite Materials (PCM 2015), May 16–19, Beijing, China
- Technical Program Committee: 2014 Global Conference on Polymer and Composite Materials (PCM 2014), May 27–29, Ningbo, China
- Examiner for 22 M.Sc. theses and 12 Ph.D. dissertations.

Award

- Gundishapur grant (support by Ministry of Science of Iran and French Embassy in Iran), 2019–2021
- Scholarship (USM Fellowship Scheme), 2007–2009
- Research grant (FRGS: Fundamental Research Grant Scheme) from the Malaysian Ministry of Higher Education on the presented proposal, 2007–2009

Publications (citations: 1122; H-index: 18; google scholar)

Book Chapter:

- 1. **M. Jafarzadeh**, A. R. Abbasi. Application of Metal–Organic Frameworks (MOFs) for Hydrogen Storage. H.K. Jun (Ed.). Nanomaterials in Energy Devices. CRC Press and Taylor & Francis, Boca Raton, Nov. **2017**.
<https://www.taylorfrancis.com/chapters/edit/10.1201/9781315153445-6/application-metal-organic-frameworks-mofs-hydrogen-storage-mohammad-jafarzadehp-amir-reza-abbasi>

Journals:

- 46. Z. Mirzapour; **M. Jafarzadeh**, CuO@Ag/NH₂-MIL-88B(Fe) heterojunction photocatalyst for the photo-thermal co-driven synthesis of benzimidazoles and biaryls, *Under review*
- 45. M. Bafarani; **M. Jafarzadeh**, An efficient room-temperature CO₂ capture using melamine-modified Zr-based MOF, *Under review*
- 44. M. H. Hamzeh; E. Arkan; **M. Jafarzadeh**; R. A. Ghaleb; H. Alvandi, Electrospun nanofibers incorporated with β -cyclodextrin for delivery of doxorubicin, *Polymer Bulletin*, **2024**, Accepted.
- 43. S. Movahedi; **M. Jafarzadeh**, Preparation of CuNi/NH₂-MIL-125(Ti) for the photocatalytic synthesis of 1,4- dihydropyridines and β -acetamido ketones, *Catalysis Science & Technology*, **2023**, 13, 6981–6998.
<https://pubs.rsc.org/en/content/articlelanding/2023/cy/d3cy01244a>
- 42. S. Askari; M. M. Khodaei; E. Benassi; **M. Jafarzadeh**, Hybridization of NH₂-MIL-88B/Deep eutectic solvent: A novel multifunctional heterogeneous catalyst for the synthesis of spirooxindoles, *Journal of Molecular Liquids*, **2023**, 387, 122646.
<https://www.sciencedirect.com/science/article/abs/pii/S0167732223014502>

- 41. **M. Jafarzadeh**; K. Daasbjerg, Rational design of heterogeneous dual-atom catalysts for CO₂ electrochemical reactions, *ACS Applied Energy Materials*, **2023**, 6, 6851–6882. <https://pubs.acs.org/doi/abs/10.1021/acsaem.3c00781>
- 40. S. Askari; M. M. Khodaei; E. Benassi; **M. Jafarzadeh**, MIL-101-NH₂-TFR and MIL-101-NH₂-TFR/Cu²⁺ as novel hybrid materials for efficient adsorption of iodine and reduction of Cr(VI), *Materials Today Communication*, **2023**, 35, 105990. <https://www.sciencedirect.com/science/article/abs/pii/S2352492823006815>
- 39. M. Khodamorady; **M. Jafarzadeh**; K. Bahrami, Design and introduction of BNPs@SiO₂(CH₂)₃-TAPC-O-(CH₂)₂NH₂-Pd(0) as an efficient nano-catalyst for the coupling reactions and removing of organic dyes, *Inorganic Chemistry Communication*, **2023**, 148, 110290. <https://www.sciencedirect.com/science/article/abs/pii/S138770032201098X>
- 38. M. Samari; S. Zinadini; A. K. Zinatizadeh; **M. Jafarzadeh**; F. Gholami, Performance evaluation of amino-functionalized mesoporous/PES nanofiltration membrane in anionic dye removal from aqueous solutions, *Applied Water Science*, **2022**, 12, 263. <https://link.springer.com/article/10.1007/s13201-022-01775-4>
- 37. M. Samari; S. Zinadini; A. K. Zinatizadeh; **M. Jafarzadeh**; F. Gholami, A new antifouling metal-organic framework based UF membrane for oil-water separation: A comparative study on the effect of MOF (UiO-66-NH₂) ligand modification, *Korean Journal of Chemical Engineering*, **2022**, 39, 3092–3101. <https://link.springer.com/article/10.1007/s11814-022-1177-1>
- 36. S. Askari; M. M. Khodaei; **M. Jafarzadeh**; A. Mikaeili, *In-situ* formation of Ag NPs on the Ribonic γ -lactone-modified UiO-66-NH₂: An effective catalyst for organic synthesis and antibacterial applications, *Process Biochemistry*, **2022**, 122, 149–165. <https://www.sciencedirect.com/science/article/abs/pii/S1359511322003142>
- 35. **M. Jafarzadeh**, Recent progress in the development of MOF-based photocatalysts for the photoreduction of Cr(VI), *ACS Applied Materials and Interfaces*, **2022**, 14, 24993–25024. <https://pubs.acs.org/doi/abs/10.1021/acsaem.2c03946>
- 34. S. Askari; M. M. Khodaei; **M. Jafarzadeh**, Pd Nanoparticles supported on MOF/ionic liquid system: A heterogeneous catalyst for the C–O bond formation via Ullmann-type reaction, *Journal of Porous Materials*, **2022**, 29, 201–214. <https://link.springer.com/article/10.1007/s10934-021-01159-0>
- 33. S. Askari; M. M. Khodaei; **M. Jafarzadeh**, Heterogenized phosphinic acid on UiO-66-NH₂: A bifunctional catalyst for synthesis of polyhydroquinolines, *Catalysis Letters*, **2022**, 152, 1517–1529.

<https://link.springer.com/article/10.1007/s10562-021-03734-1>

- 32. M. Samari; S. Zinadini; A. K. Zinatizadeh; **M. Jafarzadeh**; F. Gholami, A new fouling resistance polyethersulfone ultrafiltration membrane embedded by metformin modified FSM-16: Fabrication, characterization and performance evaluation in emulsified oil-water separation, *Journal of Environmental Chemical Engineering* **2021**, 9, 105386.
<https://www.sciencedirect.com/science/article/abs/pii/S2213343721003638>
- 31. S. Askari; M. M. Khodaei; **M. Jafarzadeh**, Basic ionic liquid anchored on UiO-66-NH₂ metal–organic framework: A stable and efficient Heterogeneous catalyst for synthesis of xanthenes, *Research on Chemical Intermediates* **2021**, 47, 2881–2899.
<https://link.springer.com/article/10.1007/s11164-021-04439-1>
- 30. M. Samari; S. Zinadini; A. K. Zinatizadeh; **M. Jafarzadeh**; F. Gholami, Designing of a novel polyethersulfone (PES) ultrafiltration (UF) membrane with thermal stability and high resistance using melamine-modified zirconium-based metal–organic framework (UiO-66-NH₂/MOF), *Separation and Purification Technology* **2020**, 251, 117010.
<https://www.sciencedirect.com/science/article/abs/pii/S1383586620314842>
- 29. S. Askari; **M. Jafarzadeh**; D. B. Christensen; S. Kegnæs, A synergic activity of urea/butyl imidazolium ionic liquid supported on UiO-66-NH₂ metal–organic framework for synthesis of oximes, *Catalysis Letters* **2020**, 150, 3159–3173.
<https://link.springer.com/article/10.1007/s10562-020-03203-1>
- 28. S. Najari; **M. Jafarzadeh**; K. Bahrami, Copper (II) oxide nanoparticles impregnated on melamine-modified UiO-66-NH₂ metal–organic framework (MOF) for C–N cross-coupling reaction and synthesis of 2-substituted benzimidazoles, *Journal of Heterocyclic Chemistry* **2019**, 56, 2853–2865.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/jhet.3675>
- 27. H. Fatahi; **M. Jafarzadeh**; Z. Pourmanochehri, Synthesis of α -aminonitriles and 5-substituted 1*H*-tetrazoles using an efficient nanocatalyst of Fe₃O₄@SiO₂-APTES-supported trifluoroacetic acid, *Journal of Heterocyclic Chemistry* **2019**, 56, 2090–2098.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/jhet.3582>
- 26. K. S. Liow; C. S. Sipaut; **M. Jafarzadeh**, Polypyrrole- and polyaniline-surface modified nanosilica as quasi-solid state electrolyte ingredients for dye-sensitized solar cells, *Journal of Materials Science: Materials in Electronics* **2018**, 29, 21097–21108.
<https://link.springer.com/article/10.1007/s10854-018-0258-8>
- 25. K. S. Liow; C. S. Sipaut; R. F. Mansa; M. C. Ung; **M. Jafarzadeh**, Formulated quasi-solid state electrolyte based on polypyrrole/polyaniline-polyurethane nanocomposite for dye-

sensitized solar cell, *Journal of Materials Science: Materials in Electronics* **2018**, 29, 11653–11663.

<https://link.springer.com/article/10.1007/s10854-018-9264-0>

- 24. Z. Pourmanochehri; **M. Jafarzadeh**; S. Kakaei; E. Sattarzadeh, Magnetic nanocarrier containing ^{68}Ga -DTPA complex for targeted delivery of doxorubicin, *Journal of Inorganic and Organometallic Polymers and Materials* **2018**, 28, 1980–1990.
<https://link.springer.com/article/10.1007/s10904-018-0826-7>
- 23. M. Irandoust; M. Haghighi; A. A. Taherpour; **M. Jafarzadeh**, Electrochemical sensing of trifluralin in water by fluconazole-immobilized $\text{Fe}_3\text{O}_4/\text{SiO}_2$ nanomagnetic core-shell linked to carbon nanotube modified glassy carbon electrode; an experimental and theoretical modeling, *Journal of the Iranian Chemical Society* **2018**, 15, 719–732.
<https://link.springer.com/article/10.1007/s13738-017-1271-1>
- 22. S. Sadeghi; **M. Jafarzadeh**; A. R. Abbasi; K. Daasbjerg, Incorporation of CuO NPs into modified UiO-66- NH_2 metal–organic frameworks (MOFs) with melamine for catalytic C–O coupling in the Ullman condensation, *New Journal of Chemistry* **2017**, 41, 12014–12027.
<https://pubs.rsc.org/en/content/articlelanding/2017/nj/c7nj02114c/unauth>
- 21. R. Ahmadi; **M. Jafarzadeh**; M. M. Khodaei; R. Adnan, Encapsulation of Ag nanoparticles in magnetically modified silica nanostructures for reduction of 4-nitrophenol, *Monatshefte für Chemie* **2017**, 148, 1423–1431.
<https://link.springer.com/article/10.1007/s00706-017-1946-4>
- 20. C. S. Sipaut; H. A. Halim; **M. Jafarzadeh**, Processing and properties of ethylene-vinyl acetate blend foam incorporated with EVA and PU waste foams, *Journal of Applied Polymer Science* **2017**, 134, 44708.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/app.44708>
- 19. M. Mozaffari; Sh. Amiri; **M. Jafarzadeh**; H. R. Fallah; S. Shatooti, Application of CdSe-PVK nanocomposite as a hole transport layer for OLEDs, *Journal of the Chinese Chemical Society* **2016**, 63, 886–892.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/jccs.201600101>
- 18. C. S. Sipaut; **M. Jafarzadeh**; M. Sundang; N. Ahmad, Size control in porosity of hydroxyapatite using a mold of polyurethane foam, *Journal of Inorganic and Organometallic Polymers and Materials* **2016**, 26, 1066–1074.
<https://link.springer.com/article/10.1007/s10904-016-0426-3>
- 17. **M. Jafarzadeh**; C. S. Sipaut; J. Dayou; R. F. Mansa, Progresses in solar cells: Insight into hollow micro/nano-structures, *Renewable & Sustainable Energy Reviews* **2016**, 64, 543–568.

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- 16. R. F. Mansa; C. S. Sipaut; I. A. Rahman; N. S. M. Yusof; **M. Jafarzadeh**, Preparation of glycine-modified silica nanoparticles for the adsorption of malachite green dye, *Journal of Porous Materials* **2016**, 23, 35–46.
<https://link.springer.com/article/10.1007/s10934-015-0053-3>
- 15. E. Soleimani; **M. Jafarzadeh**; P. Norouzi; J. Dayou; C. S. Sipaut; R. F. Mansa; P. Saei, Synthesis of pyranopyrazoles using magnetically recyclable heterogeneous iron oxide-silica core-shell nanocatalysts, *Journal of the Chinese Chemical Society* **2015**, 62, 1155–1162.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/jccs.201400387>
- 14. **M. Jafarzadeh**; E. Soleimani; P. Norouzi; R. Adnan; H. Sepahvand, Preparation of trifluoroacetic acid-immobilized Fe₃O₄@SiO₂-APTES nanocatalyst for synthesis of quinolines, *Journal of Fluorine Chemistry* **2015**, 178, 219–224.
<https://www.sciencedirect.com/science/article/abs/pii/S0022113915002511>
- 13. **M. Jafarzadeh**; E. Soleimani; H. Sepahvand; R. Adnan, Synthesis and characterization of fluconazole-functionalized magnetic nanoparticles as a catalyst for the synthesis of 3-aryl and 3-amino-imidazo- [1,2-a]pyridines, *RSC Advances* **2015**, 5, 42744–42753.
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- 12. M. Mozaffari; S. Shatooti; **M. Jafarzadeh**; M. Niyafar; A. Aftabi; H. Mohammadpour; Sh. Amiri, Synthesis of Zn²⁺ substituted maghemite nanoparticles and investigation of their structural and magnetic properties, *Journal of Magnetism and Magnetic Materials* **2015**, 382, 366–375.
<https://www.sciencedirect.com/science/article/abs/pii/S0304885315001328>
- 11. C. S. Sipaut; R. F. Mansa; V. Padavettan; I. A. Rahman; J. Dayou; **M. Jafarzadeh**, The effect of surface modification of silica nanoparticles on the morphological and mechanical properties of bismaleimide/diamine matrices, *Advances in Polymer Technology* **2015**, 34, 21492.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/adv.21492>
- 10. C. S. Sipaut; V. Padavettan; I. A. Rahman; R. F. Mansa; J. Dayou; **M. Jafarzadeh**, An optimized preparation of bismaleimide-diamine co-polymer matrices, *Polymers for Advanced Technologies* **2014**, 25, 673–683.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/pat.3270>
- 9. **M. Jafarzadeh**; R. Adnan; M.K.N. Mazlan, Thermal stability and optical property of ormocers (organically modified ceramics) nanoparticles produced from copolymerisation between amino-silanes and tetraethoxysilane, *Journal of Non-Crystalline Solids* **2012**, 358, 2981–2987.

- <https://www.sciencedirect.com/science/article/abs/pii/S0022309312004504>
- 8. **M. Jafarzadeh**; I. A. Rahman; C. S. Sipaut, Synthesis of silica-polypyrrole core-shell nanocomposite using in-situ γ -aminopropyltriethoxysilane(APTES)-modified nanosilica, *Synthetic Metals* **2012**, *162*, 466–676.
<https://www.sciencedirect.com/science/article/abs/pii/S0379677912000203>
 - 7. I. A. Rahman; **M. Jafarzadeh**; C. S. Sipaut, Physical and optical properties of organo-modified silica nanoparticles prepared by sol-gel, *Journal of Sol-Gel Science and Technology* **2011**, *59*, 63–72.
<https://link.springer.com/article/10.1007/s10971-011-2464-1>
 - 6. **M. Jafarzadeh**; I. A. Rahman; C. S. Sipaut, Optical properties of amorphous organo-modified silica nanoparticles produced via co-condensation method, *Ceramic International*, **2010**, *36*, 333–338.
<https://www.sciencedirect.com/science/article/pii/S027288420900340X>
 - 5. I. A. Rahman; **M. Jafarzadeh**; C. S. Sipaut, Synthesis of organo-functionalized nanosilica via a co-condensation modification using γ -aminopropyltriethoxysilane (APTES), *Ceramic International* **2009**, *35*, 1883-1888. [This article ranks 8th in Top 25 Hottest Articles for Ceramic International (Category: Materials Science) by Oct. 2009–Dec. 2010]
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 - 4. **M. Jafarzadeh**; I. A. Rahman; C. S. Sipaut, Synthesis of silica nanoparticles by modified sol-gel Process: the effect of mixing modes of the reactants and drying techniques, *Journal of Sol-Gel Science and Technology* **2009**, *50*, 328–336.
<https://link.springer.com/article/10.1007/s10971-009-1958-6>
 - 3. **M. Jafarzadeh**, Trimethylsilyl azide (TMSN₃): A versatile reagent in organic synthesis, *Synlett* **2007**, 2144–2145.
<https://www.thieme-connect.com/products/ejournals/html/10.1055/s-2007-984895>
 - 2. **M. Jafarzadeh**; K. Amani; F. Nikpour, Effective and regioselective iodination of arenes using iron (III) nitrate in the presence of tungstophosphoric acid, *Canadian Journal of Chemistry* **2005**, *83*, 1808–1811.
<https://cdnsiencepub.com/doi/abs/10.1139/v05-187>
 - 1. **M. Jafarzadeh**; K. Amani; F. Nikpour, Solvent-free and room temperature synthesis of thiochromans in the presence of a catalytic amount of tungstophosphoric acid, *Tetrahedron Letters* **2005**, *46*, 7567–7569.
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Conferences

- 16. H. Fatahi; **M. Jafarzadeh**, Synthesis of α -aminonitriles via Strecker-type reaction using trifluoroacetic acid-immobilized $\text{Fe}_3\text{O}_4@\text{SiO}_2\text{-APTES}$ core-shell nanoparticles, *23rd Iranian Seminar of Organic Chemistry*, University of Kurdistan, Sanandaj, Iran, 8–10 Sept. 2015.
- 15. E. Ghasemi; S. Kakaei; **M. Jafarzadeh**; E. Sattarzadeh Khameneh, Preparation of $\text{Fe}_3\text{O}_4@\text{SiO}_2$ core-shell nanostructures functionalized with APTES and DOTA ligand for drug delivery of teniposide, *23rd Iranian Seminar of Organic Chemistry*, University of Kurdistan, Sanandaj, Iran, 8–10 Sept. 2015.
- 14. S. Kakaei; Z. Pourmanochehri; **M. Jafarzadeh**; E. Sattarzadeh Khameneh, Preparation of iron oxide-silica core-shell nanostructures functionalized with APTES and TETA ligand for drug delivery of doxorubicin, *23rd Iranian Seminar of Organic Chemistry*, University of Kurdistan, Sanandaj, Iran, 8–10, Sept. 2015.
- 13. **M. Jafarzadeh**; M. M. Khodaei, R. Ahmadi, Organo-modified silica hollow structures for drug delivery, *3rd Nano Today Conference*, Institute of Bioengineering and Nanotechnology, Singapore, 8–11 Dec. 2013.
- 12. S. Shatooti; **M. Jafarzadeh**; Sh. Amiri; A. Aftabi; M. Mozafari, Investigation of Curie temperature and magnetic properties of maghemite and Zn-substituted maghemite nanoparticles prepared by coprecipitation method, *First Workshop on Nanomagnetism*, Isfahan University of Technology, Isfahan, Iran, 24–25 April 2013.
- 11. S. Shatooti; **M. Jafarzadeh**; Sh. Amiri; A. Aftabi; M. Mozafari, Preparation of Zn-substituted maghemite nanoparticles by coprecipitation method and investigation of their magnetic properties, *11th Condensed Matter Physics Conference of Iran*, Shahrood University of Technology, Shahrood, Iran, 26–27 Jan. 2013.
- 10. **M. Jafarzadeh**; R. Adnan; M.K.N Mazlan; N.H.A. Ridzwan, The effect of thermal treatment on the optical properties of organo-modified silica nanoparticles, *XI International Conference on Nanostructured Materials*, Rhodes, Greece, 26–31 Aug. 2012.
- 9. M. Mehrazin; R. M. A. Tehrani; **M. Jafarzadeh**, The electrochemical synthesis of nano-Cu/multi-walled carbon nanotubes modified composite graphite electrode for electrocatalytic application, *6th International Conference on Surfaces, Coatings and Nano-Structured Materials (NANOSMAT)*, Krakow, Poland, 17–20 Oct. 2011.
- 8. P. Ansari; R. M. A. Tehrani; **M. Jafarzadeh**, The voltammetric fabrication of nanocrystalline nickel-MWCNT onto composite graphite electrode and its electrocatalytic application, *6th International Conference on Surfaces, Coatings and Nano-Structured Materials (NANOSMAT)*, Krakow, Poland, 17–20 Oct. 2011.

- 7. **M. Jafarzadeh**; I. A. Rahman; C. S. Sipaut, Preparation and characterization of polypyrrole-silica nanocomposites via a dispersion polymerization, *13th Asian Chemical Congress*, Shanghai International Convention Center, Shanghai, China, 14–16 Sept. 2009.
- 6. **M. Jafarzadeh**; I. A. Rahman; C. S. Sipaut, A study on optical properties of in-situ synthesized amino functionalized nanosilica particles, *1st Nano Today Conference*, Institute of Bioengineering and Nanotechnology, Singapore, 2–5 Aug. 2009.
- 5. **M. Jafarzadeh**; I. A. Rahman; C. S. Sipaut, Modification of the silica nanoparticles surface via in-situ process, *The 10th Eurasia Conference on Chemical Sciences (EuAsC₂S-10)*, Philippine International Convention Center, Manila, Philippines, Jan. 2008.
- 4. **M. Jafarzadeh**; I. A. Rahman; C. S. Sipaut; P. Vejayakumaran, The effect of drying process on the morphology, porosity, and thermal behavior of nanosilica particles, *Singapore International Chemistry Conference 5 (SICC-5)*, Suntec, Singapore, Dec. 2007.
- 3. **M. Jafarzadeh**; I. A. Rahman; C. S. Sipaut; P. Vejayakumaran; R. Adnan, Preparation and characterization of nanoscale silica particles, *12th Asian Chemical Congress; International Symposium on Advances in Polymer and Materials Chemistry*, Putra World Trade Center, Kuala Lumpur, Malaysia, Aug. 2007.
- 2. K. Amani; **M. Jafarzadeh**, Direct iodination of aromatic compounds using iodine and iron(III) nitrate nonahydrate as oxidant in the presence of heteropolyacids, *11th Iranian Seminar of Organic Chemistry*, Isfahan University of Technology, Isfahan, Feb. 2005.
- 1. K. Amani; **M. Jafarzadeh**, Solvent-free synthesis of thiochromans at room temperature in the presence of a catalytic amount of heteropolyacids, *14th Iranian Chemistry & Chemical Engineering Congress*, Tarbiat Moallem University, Tehran, Feb. 2004.