

Abdolhamid Alizadeh, Ph.D.

Professor of Chemistry

Department of Organic Chemistry
Faculty of Chemistry
Alzahra University, Tehran
1993893973 Iran
Phone: (98) 21 5692652
FAX: (98) 21 5692652
Email: ahalizadeh2@hotmail.com
aalizadeh@alzahra.ac.ir
Date of Birth: November 25, 1973



Citations ≥ 3089

h-index 30

<https://staff.alzahra.ac.ir/alizadeh/En>

Google Scholar: scholar.google.com/citations?hl=en&user=l_xfcLEAAAAJ

LinkedIn: www.linkedin.com/in/dralizadeh/

ResearcherID: <http://www.researcherid.com/rid/O-8095-2017>

ORCID: orcid.org/0000-0001-5247-015X

Academic Background

➤ **2000- 2005 Ph.D. Candidate**

The University of Western Ontario ([UWO](#)), **Canada** (2004-2005)

Bu-Ali Sina University ([BASU](#)), **Iran** (2000-2004)

Supervisor(s): Prof. Davood Habibi (BASU), Prof. Mark S. Workentin (UWO) and
Prof. D. Nematollahi (BASU)

Thesis:

Part 1: "Controllable Radical-Induced Release of Organic Alkylthiolate Monolayers from Two and Three-dimensional Gold Surfaces"

Part 2: "Chemical and Electrochemical Synthesis of Some Heterocycles and Their Derivatives from Catechols"

➤ **1996-1999 M.Sc.**

Bu-Ali Sina University (BASU), **Iran**

Supervisor: Prof. Ardeshir Khazaei

Thesis:

Preparation of Arylthiocyanates Using N, N'-Dibromo-N, N'-bis (2, 5-dimethyl benzenesulphonyl) ethylenediamine sulphonamides in the Presence of KSCN as a Novel Thiocyanating Reagent

➤ **1992-1996 B.Sc.**

Islamic Azad University, Tehran, **Iran**

Academic and Research Experience

Professor	Faculty of Chemistry, Alzahra University, Iran	2020-now
Professor	Faculty of Chemistry, Razi University, Iran	2016-2020
Associate Professor	Faculty of Chemistry, Razi University, Iran	2010-2016
Postdoctoral Fellow	Universiti Teknologi Malaysia, Malaysia	2013-2014
Chair	Department of Nanochemistry, Razi University, Iran	2012-2013
Deputy-Director	Nanoscience & Nanotechnology Research Center (NNRC), Iran	2010-2012
Visiting Scholar	The University of Western Ontario, Canada	2007-2007
Assistant Professor	Faculty of Chemistry, Razi University, Iran	2005-2010
Exchange Student	The University of Western Ontario, Canada	2004-2005

Honors and Awards

2018	Premier's Research Excellence Award Department of Nanochemistry, Razi University, IRAN
2013	<i>Post-Doctoral Fellowship Award</i> Ibnu Sina Institute for Fundamental Science, Universiti Teknologi Malaysia MALAYSIA
2012	<i>Award for Excellence in University Teaching</i> Faculty of Chemistry, Razi University, IRAN
2011	Premier's Research Excellence Award Department of Organic Chemistry, Razi University, IRAN
2008	Premier's Research Excellence Award Nanoscience & Nanotechnology Research (NNRC), Razi University, IRAN
2007	Premier's Research Excellence Award Nanoscience & Nanotechnology Research (NNRC), Razi University, IRAN
2007	Visiting Professor Scholarships Iran Nanotechnology Initiative Council (INIC), The University of Western Ontario, CANADA
2004-2005	Visiting Graduate Research Scholarships Ministry of Science, Research & Technology, The University of Western Ontario, CANADA
2000-2004	Postgraduate Education Scholarships Ministry of Science, Research & Technology, Bu-Ali Sina University, IRAN

Administrative Responsibilities

2020-2022	Deputy Acting-Minister , Center for International Scientific Cooperation (CISC), Ministry of Science, Research & Technology (MSRT)
2017-2020	Director General , Department of International Students Affairs, Ministry of Science, Research & Technology (MSRT)
2018-2018	Director , Department of Graduate Affairs and Evaluation of Qualifications, Ministry of Science, Research & Technology (MSRT)
2014-2017	Head , Office for International Academic Cooperation, Razi University
2015-2017	Vice-Chancellor , Cultural & Social Affairs, Razi University
2010-2013	Member , Appointments, Promotion and Tenure Committee, Faculty of Chemistry, Razi University
2011-2013	Chair , Selection Committee, Department of Nanochemistry, Razi University
2011-2013	Chair , Education Policy Planning Committee, Department of Nanochemistry, Razi University
2010-2013	Member , Research Awards Committee, Faculty Chemistry, Razi University
2008-2013	Member , Teaching Evaluation Committee, Faculty Chemistry, Razi University
2010-2013	Member , Professional Promotion Committee in Science, Razi University
2006	Chair , GC-Mass Installation Committee, Faculty of Chemistry, Razi University
2006-2013	Member , NMR Training Committee, Faculty of Chemistry, Razi University
2001-2003	Chair , Payam-e-Noor University, Zone 6, Bahar Campus
2002	Director , Regional HiTech Laboratories of Payam-e-Noor University, Zone 6, Asadabad Campus
1999-2001	Director , Payam-e-Noor University, Zone 6, Bahar Campus
2000-2001	Member , University Cultural Council, Bu-Ali Sina University
1998-2001	Member and Vice-Chancellor , City Council, elected for Bahar, Hamadan, Iran

Professional Memberships

- Member, Iranian Chemical Society (ICS)
- Member, Iranian Nanotechnology Society (INS)
- Member, American Nano Society (ANS)
- Member, Chemical Institute of Canada (CIC)
- Member, International Electrochemical Society (ISE)

Professional and Scholarly Activities

- ***Grant Selection Committee:***

- Iran Nanotechnology Initiative Council (INIC)
- Iran National Science Foundation (INSF)
- Center for International Scientific Studies and Collaboration (CISSC)

- ***Editorial & advisory board of scientific journals***

- *Advisory board:* Nanochemistry Research (NCR); <http://nanochemres.org>
- *Review Editor:* Sorption Technologies; <https://www.frontiersin.org/journals/environmental-chemistry/sections/sorption-technologies#editorial-board>

- ***Referee:***

The Journal of the Iranian Chemical Society (Springer), Journal of Organic Chemistry (ACS), Journal of Nanoparticle Research (Springer), Materials Letters (Elsevier), Materials Science and Engineering C (Elsevier), Monatshefte fur Chemie (Springer), Journal of Colloid and Interface Science (Elsevier), Analytica Chimica Acta (Elsevier), SYNTHESES, Journal of Applied Polymer Science (Wiley), Journal of Heterocyclic Chemistry (Wiley), Mini Reviews in Organic Chemistry (Bentham Science), International Journal of Nanoscience & Nanotechnology, Journal of Chemical Engineering and Materials Science, Chinese Chemical Letters, Iranian Journal of Catalysis, The Journal of the Brazilian Chemical Society, Polymer Engineering & Science (Wiley), Journal of Chemical Technology & Biotechnology (Wiley), Sensors & Actuators: B. Chemical (Elsevier), Journal of Electroanalytical Chemistry (Elsevier), Catalysis Letters (Springer)

Conference Committees

- **Chair**, 1st National Meeting in NanoBioGeology (1st NBG), Tehran, **Iran**, 2012
- **Chair**, 15th Iranian Seminar of Organic Chemistry (ISOC), Razi University, **Iran**, 2008
- **Symposium Organizer**, 17th Iranian Seminar of Organic Chemistry (ISOC), University of Mazandaran, **Iran**, 2010
- **Symposium Organizer**, 18th Iranian Seminar of Organic Chemistry (ISOC), University of Sistan & Baluchestan, **Iran**, 2012
- **Symposium Organizer**, 4th Iranian Graduate Student Nanotechnology Meeting, Kermanshah, **Iran**, 2008
- **Co-organizer**, 5th National Iranian Chem-e-Car Competition, Razi University, Kermanshah, **Iran**, 2010
- **Coach**, 2012 Organic Competition, American University of Beirut (AUB), Beirut, **Lebanon**, 2012
- **Evaluator**, 2nd International Science Postgraduate Conference 2014 (ISPC 2014), UTM, **Malaysia**, 2014
- **Reviewer**, Global Conference on Polymer and Composite Materials (PCM 2014), Ningbo, **China**, 2014

Research Interests and Specialized Techniques

- ❖ *Synthetic Organic Chemistry*
- ❖ *Material Chemistry*
- ❖ Experience with various material characterization techniques i.e. Surface Plasmon Band Spectroscopy (SPB), TEM, SEM, EDX, TGA, XRD, XPS, BET, VSM, DLS, NMR, FTIR and other material characterization techniques. Also experience with electrochemical techniques such as cyclic voltammetry.

Patent(s)

1. A.H. Fallah, **A. Alizadeh (2007)**, *Preparation of glassy materials at room temperature through modified sol-gel technique*, Iran Patent 40213.
2. Z. Vafajoo, M. M. Khodaei, **A. Alizadeh (2011)**, *Electrochemical synthesis of Taurine derivatives and investigation of their antioxidant and cytotoxic properties using various techniques*, Iran Patent 70773.

Third-Party Funding

1. Ultrasound-Assisted Oxidative-Adsorptive Desulfurization using Highly Acidic Graphene Oxide as a Catalyst-Adsorbent (*Proposal approved No. 1142 ICRP, CISSC*), **2021**.
2. Synthesis of novel imidazothiazol heterocyclic compounds through electrooxidation of catechol derivatives (*Proposal approved No. 632, Razi University*), **2013**.
3. Electrosynthesis of novel organic compounds in aqueous media (*Proposal approved No. 633, Razi University*), **2013**.
4. Fabrication of drug-loaded gold and metal oxide nanoparticles in controlled release of drugs and increase of adsorption level in bench scale (*Proposal approved No. 918, Center of HiTech, Ministry of Industry, Mine & Trade*), **2013**.
5. Synthesis of 1,3,4-thiadiazole derivatives bearing isochromone group through cross-dehydrogenative coupling (CDC) (*Proposal approved No. 90029, Kermanshah University of Medical Sciences, KUMS*), **2012**.

Book Chapters

1. Gisyabdi, **Abdolhamid Alizadeh**, Agnieszka Podborska, Konrad Szaciłowski, Krzysztof Mech "Nanomaterials in artificial photosynthesis" in *Handbook of Nanomaterials (Biomedicine, Environment, Food, and Agriculture, Micro and Nano Technologies)*, **2024** Volume 2, Chapter 24, pages 655-683.
 2. **A. Alizadeh** "Rapid and selective lead (II) colorimetric sensor based on azacrown ether-functionalized gold nanoparticles", in *Advances in Nanotechnology Research and Application*, Q Ashton Acton, eds., Scholarly Editions, **2012**, Chapter 13, p. 381.
 3. Gisyabdi, Mehdihasan I Shekh, Jhaleh Amirian, **Abdolhamid Alizadeh**, Sirus Zinadini, "Photocatalytic Membranes in Degradation of Organic Molecules", in *Photocatalysis: Advanced Materials and Reaction Engineering*, Materials Research Forum **2021**, LLC, V 100, pages 1-56.
-

Publications

➤ 2024

1. G. Abdi, **A. Alizadeh**, A. Podborska, K. Szaciłowski, K. Mech, "Nanomaterials in artificial photosynthesis", *Handbook of Nanomaterials, Volume 2*, **2024**, 655-683.
2. A. Monem, D. Habibi, **A. Alizadeh**, H. Goudarzi " The new phthalic acid-based deep eutectic solvent as a versatile catalyst for the synthesis of pyrimido[4,5-d]pyrimidines and pyrano[3,2-c]chromenes" *BMC Chemistry*, <https://doi.org/10.1186/s13065-024-01227-x>, **2024**.
3. **A. Alizadeh**, Z. Beranvand "Serendipitous Synthesis and NMR Study of Oxaphospholene Derivatives: New Class of P-Containing Heterocycles" *ChemistrySelect*, **2024**, Accepted.
4. S. Barkhordari, **A. Alizadeh** "Zinc/aluminum-layered double hydroxide-gallic acid doped carboxymethyl cellulose nanocomposite films for wound healing" *International Journal of Biological Macromolecules*, **2024**, 260, 129556.
5. **A. Alizadeh**, S. Radfar "A porous zirconium-based MOF nanoplate as an affinity ECL platform for the detection of protein kinase activity and inhibitor screening" *Bioelectrochemistry*, **2024**, Accepted.
6. S. Rezaei, **A. Alizadeh**, G. Abdi "The new phthalic acid-based DES as a versatile catalyst for the synthesis of pyrimido [4, 5-d] pyrimidines and pyrano [3, 2-c] chromenes" *Asian Journal of Organic Chemistry*. **2024**, Submitted.

➤ 2023

7. M. Niazi, A. Azizi, Z. Khajavi, M. Sheikh, S. Taheri, S. Radfar, **A. Alizadeh**, R. Ghanbari "A universal ratiometric method for Micro-RNA detection based on the ratio of electrochemical/electrochemiluminescence signal, and toehold-mediated strand displacement amplification" *Analytica Chimica Acta*, **2023**, P. 341119.

➤ **2022**

8. S. Radfar, R. Ghanbari, **A. Alizadeh**, G. Abdi, Z. Safaei and E. Repo "A Nonenzymatic DNA Nanomachine for detection of Biomolecules by DNA Walker Strategy and Radical Polymerization Signal Amplification", **2022**, ChemistrySelect 7 (24), e202200724.

➤ **2021**

9. G. Abdi, **A. Alizadeh**, W. Grochala and A. Szczurek etc, "Developments in Synthesis and Potential Electronic and Magnetic Applications of Pristine and Doped Graphynes" *Nanomaterials*, **2021**, 11 (9), 2268.
10. S. Barkhordari, **A. Alizadeh**, "Fabrication of pH-sensitive chitosan/layered double hydroxide (LDH)/Fe₃O₄ nanocomposite hydrogel beads for controlled release of diclofenac" *Polymer Bulletin*, **2021**, <https://doi.org/10.1007/s00289-021-03761-3>.
11. **A. Alizadeh**, G. Abdi, Sh. Parvaneh "Efficient conjugation of anti-HBsAg antibody to modified core-shell (Fe₃O₄/SiO₂) magnetic nanoparticles" *BiolImpacts*, **2021**, B1 11(4) 237.

➤ **2020**

12. S Barkhordari, **A Alizadeh**, M Yadollahi, H Namazi, "One-pot synthesis of magnetic chitosan/iron oxide bio-nanocomposite hydrogel beads as drug delivery systems" *Soft Materials*, **2020**, 1-9
13. **A. Alizadeh**, Z Beiranvand, Z Safaei, MM Khodaei, E Repo, "Green and Fast Synthesis of 2-Arylidene-indan-1, 3-diones Using a Task-Specific Ionic Liquid" *ACS omega*, **2020**, 5 (44), 28632-28636.
14. Z. Setoodenia, **A. Alizadeh**, W. Aini W. Inbrahim, "Cyanopropyl-functionalized nanosilica based dispersive micro-solid phase extraction for rapid extraction of organophosphorus pesticides in water samples" *Desalination and Water Treatment*, **2020**, 204, 366-376.
15. M. Fakhari, **A. Alizadeh**, Z. Safaei, M. M. Khodaei, E. Repo, A. Asadi "Ionic liquid-decorated Fe₃O₄@SiO₂ Nanocomposite Coated on Talc Sheets: An Efficient Adsorbent for Methylene Blue in Aqueous Solution" *Inorganic Chemistry*

Communications, 2020, 121, p. 108204.

16. M.M. Khodaei, **A. Alizadeh**, M. Haghipour, "A simple synthesis of magnetic nanoparticles-supported 4-aminomethylbenzoic acid as a highly efficient and reusable catalyst for synthesis of 2-amino-4H chromene derivatives" *Res Chem Intermed*[Q2], 2020, 46 (2), 1033-1045.
17. M.M. Khodaei, **A. Alizadeh**, H.A. Hezarkhani, "Preparation and characterization of Cu (II) Schiff base complex functionalized boehmite nanoparticles and its application as an effective catalyst for oxidation of sulfides and thiols" *Applied Organometallic Chemistry* [Q2], 2020, 34 (1), e5262.
18. M.M. Khodaei, **A. Alizadeh**, P. Ghanbari, "Theoretical study of structural effects on reactivity and stability of isomeric pyrano-, thiopyrano-and selenopyranopyrroles" *NISCAIR-CSIR*, 2020, <http://nopr.niscair.res.in/handle/123456789/52766>.

➤ 2019

19. G. Abdi, **A. Alizadeh**, "Polyamine-modified magnetic graphene oxide surface: feasible adsorbent for removal of dyes" *Journal of Molecular Liquids*, [Q1], 2019, 289, 111118.
20. M Rostami, G. Abdi, S.H. Kazemi, **A. Alizadeh**, "Nanocomposite of magnetic nanoparticles/graphene oxide decorated with acetic acid moieties on glassy carbon electrode: A facile method to detect nitrite concentration" *Journal of Electroanalytical Chemistry* [Q1], 2019, 847, 113239.
21. M.M. Khodaei, **A. Alizadeh**, M. Haghipour, "Preparation and characterization of isatin complexed with Cu supported on 4-(aminomethyl) benzoic acid-functionalized Fe₃O₄ nanoparticles as a novel magnetic catalyst for the Ullmann coupling reaction" *Research on Chemical Intermediates* [Q2], 2019, 45 (5), 2727-2747.

➤ 2018

22. G. Abdi, **A. Alizadeh**, S. Zinadini, G. Moradi "Removal of dye and heavy metal ion using a novel synthetic polyethersulfone nanofiltration membrane modified by magnetic graphene oxide/metformin hybrid" *Journal of Membrane Science* [Q1], 2018, 552, 326-335.
23. M. Sadegh, F. Shiri, D. Kordestani, P. Mohammadi, **A. Alizadeh** "SBA-15/Metformin as a novel sorbent combined with surfactant-assisted dispersive liquid-liquid microextraction (SA-DLLME) for highly sensitive determination of Pb,

- Cd and Ni in food and environmental samples*” Journal of the Iranian Chemical Society[Q3], **2018**, 15 (4), 753-768.
24. A.H. Fallah, S. Endud, **A. Alizadeh**, L.S. Chien, “Metalloporphyrin/dendrimer-decorated MCM-41 biomimetic hybrid catalysts: High stability combined with facile catalyst recyclability” Journal of Porous Material[Q2], **2018**, DOI 10.1007/s10934-018-0595-2.
25. M.M. Khodaei, **A. Alizadeh**, M. Haghipour, “Cellulose/Fe₃O₄/Co₃O₄ Nanocomposite as a Highly Efficient and Reusable Catalyst for the Synthesis of 1-((Benzo[d]thiazol-2-ylamino)(aryl)-methyl)naphthalen-2-ol Derivatives”, Organic Chemistry Research, **2018**, 4 (5) 159-173.
26. G. Abdi, **A. Alizadeh**, “Surface-induced Formation of Stereogenic Centers on Gold Nanoparticles through Diastereoselective Interfacial Henry Reaction: An NMR Investigation” Gold Bulletin[Q2], **2018**, <https://doi.org/10.1007/s13404-018-0232-5>.
27. M.M. Khodaei, **A. Alizadeh**, H.A. Hezarkhani, “A mild and efficient H₂O₂ oxygenation of N-heteroaromatic compounds to the amine N-oxides and KI deoxygenation back to the tertiary amine with hexaphenyloxodiphosphonium triflate”, Journal of the Iranian Chemical Society[Q3], **2018**, 15 (8), 1843-1849.
28. M.M. Khodaei, **A. Alizadeh**, M. Haghipour, “Supported 4-carboxybenzyl sulfamic acid on magnetic nanoparticles as a recoverable and recyclable catalyst for synthesis of 3,4,5-trisubstituted furan-2(5H)-one derivatives”, Journal of Organometallic Chemistry[Q2], **2018**, 870 (1), 58-67.
29. M.M. Khodaei, **A. Alizadeh**, H.A. Hezarkhani, “Direct carboxylation of aromatic compounds using the sodium hydrogen carbonate/triphenylphosphine ditriflate system” Comptes Rendus Chimie[Q2], **2018**, 21 (1), 27-31.
- **2017**
30. G. Abdi, M. Ashokkumar, **A. Alizadeh**, “Ultrasound-assisted oxidative-adsorptive desulfurization using highly acidic graphene oxide as a catalyst-adsorbent” Fuel[Q1], **2017**, 210, 639-645.
31. **A. Alizadeh**, M. Fakhari, M.M. Khodaei, G. Abdi, J. Amirian, “Oxidative desulfurization of model oil in an organic biphasic system catalysed by Fe₃O₄@SiO₂-ionic liquid” RSC Advances[Q1], **2017**, 7 (56), 34972-34983.
32. **A. Alizadeh**, G. Abdi, M.M. Khodaei, M. Ashokkumar, J. Amirian “Graphene oxide/Fe₃O₄/SO₃H nanohybrid: A new adsorbent for adsorption and reduction of Cr(VI) from aqueous solutions” RSC Advances[Q1], **2017**, 7, 14876.

33. **A. Alizadeh**, S. Parsafar, M.M. Khodaei, "Biosynthesis of spherical and highly stable gold nanoparticles using *Ferulago Angulata* aqueous extract: Dual role of extract" Materials Research Express[Q1], **2017**, 4(3), 035029.
34. **A. Alizadeh**, Ch. Karami, B. Bahrami, A. Moradi, M. A. Taher "Modification on the Surface of Gold Nanoparticles with Imine Formation and Cycloaddition Reaction" Current Organic Chemistry[Q3], **2017**, 21 (24), 2502-2508.
35. M.M. Khodaei, **A. Alizadeh**, H.A. Hezarkhani, "Simple Formylation of aromatic compounds using sodium formate/triphenylphosphine ditriflate system" Chemistry Letters[Q2], **2017**, 46 (6), 840-843.
36. **A. Alizadeh**, G. Abdi, M.M. Khodaei "Highly carboxyl-decorated graphene oxide sheets as metal-free catalytic system for chemoselective oxidation of sulfides to sulfones" Materials Chemistry and Physics[Q2], **2017**, 201, 323-330.

➤ **2016**

37. **A. Alizadeh**, G. Abdi, M.M. Khodaei, "Colorimetric and visual detection of silver(I) using gold nanoparticles modified with furfuryl alcohol" Microchimica Acta[Q1], **2016**, 183, 1995-2003.
38. S.T. Wong, M. Shamsuddin, **A. Alizadeh**, Y.S. Yun, "In-situ generated palladium seeds lead to single-step bioinspired growth of Au-Pd bimetallic nanoparticles with catalytic performance", Materials Chemistry and Physics[Q2], **2016**, 183, 356-365.
39. **A. Alizadeh**, S. Ghouzivand, M. M. Khodaei, M. Ardalani, "An interesting spectroscopic view to chromofluorogenic detection of cyanide ion in aqueous solution: Disruption of intramolecular charge transfer (ICT)" Journal of Chemical Sciences[Q2], **2016**, 128(4), 5374-543.
40. C. Karami, **A. Alizadeh**, M.A. Taher, Z. Hamidi, B. Bahrami, "UV-visible spectroscopy detection of iron(iii) ion on modified gold nanoparticles with a hydroxamic acid" Journal of Applied Spectroscopy[Q4], **2016**, 83(4), 687-693.
41. S. Borhamdin, M. Shamsuddin, **A. Alizadeh**, "Biostabilised icosahedral gold nanoparticles: synthesis, cyclic voltammetric studies and catalytic activity towards 4-nitrophenol reduction" Journal of Experimental Nanoscience[Q2], **2016**, 11(7), 518-530.
42. **A. Alizadeh**, M.M. Khodaei, M. Fakhari, G. Abdi, S. Ghouzivand, "Chemo and regioselective serendipitous electrochemically initiated spirocyclization of caffeic acid esters with barbituric acid derivatives" Electrochimica Acta[Q1], **2016**, 178, 533-540.

➤ 2015

43. **A. Alizadeh**, M. M. Khodaei, T. Kanjouri, M. Shansuddin, "Electro-generated ortho-quinoid intermediates: templates for feasible construction of a series of novel imidazo[2,1-b]thiazole derivatives through one-pot five-step domino heteroannulation process" Research on Chemical Intermediates[Q2], **2015**, 41(9), 6185-6197.
44. M. M. Khodaei, **A. Alizadeh**, T. Kanjouri, "Cost-effective electro-synthesis of a series of edaravones through an electrochemical-assisted domino heteroannulation and paired electrochemical process" Journal of the Iranian Chemical Society[Q3], **2015**, 12, 2233-2243.
45. N. Ghaemi, S.S. Madaeni, P. Daraei, H. Rajabi, **A. Alizadeh**, R. Heydari, M. Beygzadeh, S. Ghouzivand, "Polyethersulfone membrane enhanced with iron oxide nanoparticles for copper removal from water: Application of new functionalized Fe₃O₄ nanoparticles" Chemical Engineering Journal[Q1], **2015**, 263, 1-112.
46. **A. Alizadeh**, M.M. Khodaei, G. Abdi, S. Ghouzivand, M. Fakhari, M. Beygzadeh, A.H. Fallah, "N,N-Dimethylbiguanide immobilized on mesoporous and magnetically separable silica: Highly selective and feasible organocatalyst for synthesis of β -nitroalcohols" Iranian Journal of Catalysis, **2015**, 5(3), 261-268.

➤ 2014

47. **A. Alizadeh**, M.M. Khodaei, Z. Hamidi, "Naked-eye colorimetric detection of Cu²⁺ and Ag⁺ ions based on close-packed aggregation of pyridines-functionalized gold nanoparticles" Sensors and Actuators B: Chemical[Q1], **2014**, 190, 782-791.
48. **A. Alizadeh**, M.M. Khodaei, M. Fakhari, M. Shamsuddin, "Direct electrosynthesis of a series of novel caffeic acid analogues through a clean and serendipitous domino oxidation/thia-Michael reaction" RSC Advances[Q1], **2014**, 4, 20781-20788.

➤ 2013

49. M. Beygzadeh, **A. Alizadeh**, M.M. Khodaei, D. Kordestani, "Biguanide/Pd(OAc)₂ immobilized on magnetic nanoparticle as a recyclable catalyst for the heterogeneous Suzuki reaction in aqueous media" Catalyst Communications[Q1], **2013**, 32, 86-91.

50. **A. Alizadeh**, M.M. Khodaei, D. Kordestani, M. Beygzadeh "A biguanide/Pd-decorated SBA-15 hybrid nanocomposite: Synthesis, characterization and catalytic application" *Journal of Molecular Catalysis A: Chemical*[Q1], **2013**, 372, 167-174.
51. **A. Alizadeh**, M.M. Khodaei, D. Kordestani, M. Beygzadeh, "Highly efficient phosphine-free Suzuki aryl couplings mediated by an in situ generated Pd(OAc)₂/metformin complex in green media" *Tetrahedron Letters*[Q2], **2013**, 54(4), 291-294.
52. N. Haghnazari, **A. Alizadeh**, C. Karami, Z. Hamidi "Simple optical determination of silver ion in aqueous solutions using benzo crown-ether modified gold nanoparticles" *Microchimica Acta*[Q1], **2013**, 180, 287-294.
53. M.M. Khodaei, **A. Alizadeh** and T. Kanjouri "An Efficient, One-Pot, Green Synthesis of Tetracyclic Imidazo[2,1-b]Thiazoles via Electrochemically-Induced Tandem Heteroannulation Reactions" *Journal of Heterocyclic Chemistry*[Q4], **2013**, 50, 23.
54. S.H. Kazemi, **A. Alizadeh**, R. Mohamadi, M.M. Khodaei, D. Kordestani "pH-Regulated release of dopamine from an aldehyde terminated self-assembled monolayers: Electrochemical studies" *Material Science Engineering C*[Q1], **2013**, 33, 5095-5099.

➤ **2012**

55. **A. Alizadeh**, M.M. Khodaei, D. Kordestani, A.H. Fallah, M. Beygzadeh, "The Successful Synthesis of Biguanide-Functionalized Mesoporous Silica Catalysts: Excellent Reactivity Combined with Facile Catalyst Recyclability" *Microporous and Mesoporous Materials*[Q1], **2012**, 159, 9-16.
56. **A. Alizadeh**, M.M. Khodaei, M. Beygzadeh, M. Feyzi, D. Kordestani, "Biguanide-Functionalized Fe₃O₄/SiO₂ Magnetic Nanoparticles: An efficient heterogeneous organosuperbase catalyst for various organic transformations in aqueous media" *Bulletin of the Korean Chemical Society*[Q3], **2012**, 33 (8), 2546.
57. S.H. Kazemi, M. Shamsipur, **A. Alizadeh**, M. F. Mousavi, "Electrochemical behaviors of novel electroactive Au nanoparticles protected by self-assembled monolayers" *J Iran Chem Soc*[Q3], **2012**, 10 (2), 333-338.
58. **A. Alizadeh**, M.M. Khodaei, G. Abdi, D. Kordestani, "The first report on chemoselective biguanide-catalyzed Henry reaction under neat conditions" *Bulletin of the Korean Chemical Society*[Q3], **2012**, 33 (11), 3640-3644.
59. N. Ghaemi, S.S. Madaeni, **A. Alizadeh**, P. Daraei, V. Vatanpour, M. Falsafi "Fabrication of cellulose acetate/sodium dodecyl sulfate nanofiltration membrane: Characterization and performance in rejection of pesticides",

Desalination[Q1], **2012**, 290, 99-106.

60. N. Ghaemi, S.S. Madaeni, **A. Alizadeh**, H. Rajabi, P. Daraei, M. Falsafi "Effect of fatty acids on the structure and performance of cellulose acetate nanofiltration membranes in retention of nitroaromatic pesticides", Desalination[Q1], **2012**, 301, 26-41.
61. N. Ghaemi, S.S. Madaeni, **A. Alizadeh**, P. Daraei, M. Mohammadi Sarab Badieh, M. Falsafi, V. Vatanpour "Fabrication and modification of polysulfone nanofiltration membrane using organic acids: Morphology, characterization and performance in removal of xenobiotics", Separation and Purification Technology[Q1], **2012**, 96, 214-228.
62. N. Ghaemi, S.S. Madaeni, **A. Alizadeh**, P. Daraei, A. A. Zinatizadeh, F. Rahimpour, "Separation of nitrophenols using cellulose acetate nanofiltration membrane: Influence of surfactant additives" Separation and Purification Technology[Q1], **2012**, 85, 147-156.

➤ **2011**

63. O. Marvi, **A. Alizadeh** and S. Zarrabi, "Montmorillonite K-10 Clay as an Efficient Reusable Heterogeneous Catalyst for the Solvent-Free Microwave Mediated Synthesis of 5-Substituted 1H-Tetrazoles" Bull. Korean Chem. Soc. [Q3], **2011**, 32 (11), 4001-4004.
64. M. Khanahmadi, F. Shahrezaei and **A. Alizadeh**, "Isolation and Structural Elucidation of Two Flavonoids from *Ferulago angulata* (Schlecht) Boiss", Asian J. Research Chem., **2011**, 4(11), 1667-1670.
65. H. Adibi, A. Rashidi, M.M. Khodaei, **A. Alizadeh**, M.B. Majnooni, N. Pakravan, R. Abiri, and D. Nematollahi, "Catecholthioether Derivatives: Preliminary Study of in-Vitro Antimicrobial and Antioxidant Activities" Chem. Pharm. Bull. [Q2], **2011**, 59(9), 1149-1152.
66. N. Ghaemi, S.S. Madaeni, **A. Alizadeh**, H.R. Rajabi, P. Daraei, "Preparation, characterization and performance of polyethersulfone/organically modified montmorillonite nanocomposite membranes in removal of pesticides" Journal of Membrane Science[Q1], **2011**, 382, 135-147.
67. S.S. Madaeni, N. Ghaemi, **A. Alizadeh**, M. Joshaghani, "Influence of photo-induced superhydrophilicity of titanium dioxide nanoparticles on the anti-fouling performance of ultrafiltration membranes" Applied Surface Science[Q1], **2011**, 257, 6175-6180.

➤ 2010

68. **A. Alizadeh**, M.M. Khodaei, A. Eshghi, "Ambiphilic dual activation role of a task-specific ionic liquid: 2-hydroxyethylammonium formate as a recyclable promoter and medium for the green synthesis of β -nitrostyrenes" *J. Org. Chem.* [Q1], **2010**, 75 (23), 8295-8298.
69. J.J. Tindale, K.D. Hartlen, **A. Alizadeh**, M.S. Workentin, P.J. Ragona, "Maleimide-Modified Phosphonium Ionic Liquids: A Template Towards (Multi)Task-Specific Ionic Liquids" *Chem. Eur. J.* [Q1], **2010**, 16, 9068-9075.
70. **A. Alizadeh**, M.M. Khodaei, C. Karami, M.S. Workentin, M. Shamsipur, M. Sadeghi, "Rapid and selective lead (II) colorimetric sensor based on azacrown ether-functionalized gold nanoparticles" *Nanotechnology*[Q1], **2010**, 21315503.
71. **A. Alizadeh**, M.M. Khodaei, A. Eshghi, "A solvent-free protocol for the green synthesis of arylalkylidene rhodanines in a task-specific ionic liquid." *Can. J. Chem.* [Q3], **2010**, 88(6), 514.
72. **A. Alizadeh**, M.M. Khodaei, Kh. Moradi, "Green and diastereoselective oxidative cyclization of bisnaphthols to spirans" *J. Iran. Chem. Soc.* [Q3], **2010**, 7(2).

➤ 2009

73. H. Ismaili, **A. Alizadeh**, K.E. Snell, M.S. Workentin "Remarkable high-yielding chemical modification of gold nanoparticles using uncatalyzed click-type 1,3-dipolar cycloaddition chemistry and hyperbaric conditions" *Can. J. Chem.* [Q3], **2009**, 87, 1708.
74. A. Mehdiinia, S.H. Kazemi, S.Z. Bathaie, **A. Alizadeh**, M. Shamsipur, M.F. Mousavi, "Electrochemical DNA nano-biosensor for the study of spermidine-DNA interaction" *Journal of Pharmaceutical and Biomedical Analysis*[Q1], **2009**, 49, 587.
75. N. Ghaemi, S.S. Madaeni, M. De Nobili, **A. Alizadeh**, "Ultrafiltration behavior of nitrophenols in the presence of humic substances" *Journal of Membrane Science*[Q1], **2009**, 331 126.

➤ 2008

76. D. Nematollahi, J. Azizian, M. Hesari, S. Jamehbozorgi, **A. Alizadeh**, L. Fotouhi, B. Mirza "Electrochemical Synthesis of 4-(Dihydroxyphenylthio)-2Hchromen-2-one

Derivatives" *Chem. Pharm. Bull.* [Q2], 2008, 56, 11.

77. M.M. Khodaei, **A. Alizadeh**, N. Pakravan "Polyfunctional Tetrazolic Thioethers through Electrooxidative/Michael-Type Sequential Reactions of 1,2- and 1,4-Dihydroxybenzenes with 1-Phenyl-5-mercaptopotetrazole" *J. Org. Chem.* [Q1], 2008, 73, 2527.
78. A. Mehdinia, S.H. Kazemi, S.Z. Bathaie, **A. Alizadeh**, M. Shamsipur, M.F. Mousavi "Electrochemical Studies of DNA Immobilization onto the Azide-Terminated Monolayers and its Interaction with Taxol" *Analytical Biochemistry*[Q2], 2008, 375, 331.

➤ 2007

79. M. Shamsipur, S.H. Kazemi, **A. Alizadeh**, M.F. Mousavi, M.S. Workentin "Self-Assembled Monolayers of a Hydroquinone-Terminated Alkanethiol onto Gold Surface. Interfacial Electrochemistry and Michael-Addition Reaction with Glutathione" *Journal of Electroanalytical Chemistry*[Q1], 2007, 610, 218.
80. **A. Alizadeh**, M. M. Khodaei, E. Nazari "Rapid and Mild Sulfonylation of Aromatic Compounds with Sulfonic Acids via Mixed Anhydrides using Tf_2O " *Tetrahedron Letters*[Q2], 2007, 48, 6805.
81. **A. Alizadeh**, M. M. Khodaei, E. Nazari "Silica Sulfuric Acid as an Efficient Solid Acid Catalyst for Friedel-Crafts Acylation Using Anhydrides" *Bull. Korean Chem. Soc.* [Q3], 2007, 28, 1854.
82. M. M. Khodaei, **A. Alizadeh**, E. Nazari " Tf_2O as a Rapid and Efficient Promoter for the Dehydrative Friedel-Crafts Acylation of Aromatic Compounds with Carboxylic Acids" *Tetrahedron Letters*[Q2], 2007, 47, 4199.
83. **A. Alizadeh**, D. Nematollahi, D. Habibi, M. Hesari "Domino Oxidation/Michael Reaction of Catechols with Barbituric Acid Derivatives in Water: An Efficient Synthesis of Polycyclic Pyrimidinones" *Synthesis* [Q1], 2007,10, 1513.

➤ 2006

84. D. Nematollahi, D. Habibi, **A. Alizadeh** "Diaryl Sulfones through Oxidative Coupling of Catechols and Arylsulfinic Acids" *Phosphorus Sulfur and Silicon* [Q4], 2006, 181, 1391.

➤ 2005

85. A. J. Kell, **A. Alizadeh**, L. Yang, M.S. Workentin "Monolayer-Protected Gold Nanoparticle Coalescence Induced by Photo-generated Radicals" Langmuir [Q1], **2005**, 21(21); 9741.
86. D. Nematollahi, D. Habibi, **A. Alizadeh**, M. Hesari "An Efficient Conversion of Catechols into 6H-Benzofuro [3, 2-c][1]benzopyran-6-one Derivatives" J. Heterocyclic Chem. [Q4], **2005**, 42, 289.
87. D. Habibi, D. Nematollahi, **A. Alizadeh**, M. Hesari "Oxidative Coupling of In-Situ Generated o-benzoquinones with 4-Hydroxy-6-methyl-2-pyrone" Heterocyclic Communications [Q4], **2005**, 11,(2) 145.

➤ **2001**

88. A. Khazaei, **A. Alizadeh**, R. Ghorbani Vaghei "Preparation of Arylthiocyanates Using N, N'-Dibromo-N, N'-bis (2, 5-dimethyl benzenesulphonyl) ethylenediamine and N, NDibromo-2, 5-dimethyl benzene sulphonamide in the Presence of KSCN as a Novel Thiocyanating Reagent" Molecules [Q1], **2001**, 6, 253.

Conferences Presentations

1. G. Abdi, **A. Alizadeh**, A. Szczurek, W. Grochala "Synthetic polyethersulfone nanofiltration membrane modified by magnetic porphyrin nanohybrids in water treatment" Sixth International Conference on Multifunctional Hybrid and Nanomaterials, Sitges, Spain, **2019**.
2. **A. Alizadeh**, G. Abdi, M. Fakhari "Polyamine/magnetic graphene oxide to removal of cationic or anionic dyes" The 25th Iranian Seminar of Organic Chemistry, Iran University of Science and Technology, Tehran, Iran, **2017 (INVITED)**.
3. **A. Alizadeh**, M. Fakhari, G. Abdi "Nanocomposite of magnetic montmorillonite modified by biguanide: a novel Pb(II) adsorbent" The 25th Iranian Seminar of Organic Chemistry, Iran University of Science and Technology, Tehran, Iran, **2017**.
4. **A. Alizadeh**, S-T Wong, M. Shamsuddin, Y.-S. Yun "Bimetallic nanoparticles (BNPs) in organic reactions: In situ-generated palladium seeds lead to single-step bioinspired growth of Au-Pd BNPs with catalytic performance" 18th Iranian Chemistry Congress (18th ICC), Semnan University, Semnan, Iran, **2015. (INVITED)**

5. F. Faha, M. Shamsuddin, **A. Alizadeh** "*The novel triazine cored mono-, di- and tri-podal ligands: From synthesis to application*" 12th Regional Annual Fundamental Science Symposium **2014**, UTM, Johor, Malaysia.
6. F. Karim, M. Shamsuddin, **A. Alizadeh** "*Control on E and Z isomerization in thiosemicarbazone derivatives*" 12th Regional Annual Fundamental Science Symposium **2014**, UTM, Johor, Malaysia.
7. W.S Ting, M. Shamsuddin, **A. Alizadeh**, Y.-S. Yun "*Single-step in situ seed-mediated biogenic synthesis of Au-Pd nanoalloys by using Etlingera alatifolia leaf extract*" 12th Regional Annual Fundamental Science Symposium **2014**, UTM, Johor, Malaysia.
8. **A. Alizadeh**, M.M Khodaei, Z. Beiranvand, M. Shamsuddin, F. Karim "*Stable trigonal-bipyramidal (TBP) structure of novel optically-active oxaphospholene heterocycles: forbidden pseudo-rotation phenomenon*" 12th Regional Annual Fundamental Science Symposium **2014**, UTM, Johor, Malaysia.
9. S. Borhamdin, M. Shamsuddin, **A. Alizadeh** "*Gold cluster on thiol-functionalized Fe₃O₄@SiO₂ nanoparticles: A novel bio-reduced catalyst for oxidation of benzyl alcohol*" 12th Regional Annual Fundamental Science Symposium **2014**, UTM, Johor, Malaysia.
10. **Alizadeh A.**; M.M. Khodaei; D. Kordestani; M. Beygzadeh; G. Abdi; S. Ostovar; F. Monjezi; A. Majdinasab; P. Mohammadi; R. Khadami "*Nanosuperbases for Organic Synthesis*" 20th Iranian Seminar of Organic Chemistry, Bu-Ali Sina University, Hamadan, Iran, **2013**. (INVITED)
11. **Alizadeh A.**; Fallah A.H.; Endud S.; Kordestani D. "*Supported Palladium Catalysis using a Biguanide N-Donor Motif on Mesoporous Silica for Suzuki–Miyaura Coupling Reaction*" International Conference on Nanostructures, Nanomaterials and Nanoengineering (ICNN 2012), Singapore, **2012**. (Oral presentation)
12. **Alizadeh A.** "*Plant-Mediated Synthesis of Metallic Nanoparticles*" 1st National Meeting in NanoBioGeology (1st NBG), Tehran, Iran, **2012**. (INVITED)
13. **Alizadeh A.**; Khodaei M.M.; Ghousivand S. "*Greener Avenue to Metallic Nanoparticles: Plant-Mediated Synthesis of Gold, Silver, Copper, Palladium, Zinc and Iron Nanoparticles*" 4th International Conference on Nanostructures (ICNS4), Kish Island, Iran, **2012**. (Oral presentation)
14. **Alizadeh A.** "*Plant-Mediated Synthesis of Metallic Nanoparticles: A Green and Cost-Effective Avenue to Nanomaterials*" 18th Iranian Seminar of Organic Chemistry, Sistan-e-Baluchestan University, Zahedan, Iran, **2012**. (INVITED)
15. **Alizadeh A.**; Khodaei M.M.; Ghousivand S. "*Plant-mediated green synthesis of metal nanoparticles using an extract of Syzygium aromaticum*" 15th Iranian Chemistry Congress, Hamadan, Iran, **2011**.
16. **Alizadeh A.**; Khodaei M.M.; Beiranvand Z. "*Synthesis and Spectroscopic Study of Novel Optically Active Oxaphospholene Heterocycles*" 15th Iranian Chemistry Congress, Hamadan, Iran, **2011**.
17. **Alizadeh A.**; Khodaei M.M.; Beiranvand Z. "*Green and Solvent-free Route for Synthesis of 2-Benzylidene-indan-1,3-diones Using Catalytic Application of an*

- Ammonium-based Ionic Liquid*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
18. **Alizadeh A.**; Khodaei M.M.; Fakhari M. "*Electrochemically Synthesis of a Novel Group of Caffeic acid Analogues*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 19. **Alizadeh A.**; Khodaei M.M.; Rezaei S. "*DDQ-mediated direct cross-dehydrogenative-coupling (CDC) reaction between benzylic ethers and dicarbonyl compounds*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 20. **Alizadeh A.**; Khodaei M.M.; Rezaei S. "*The development of cross-dehydrogenative-coupling (CDC) protocol for C-S bond formation*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 21. **Alizadeh A.**; Khodaei M.M.; Hatami Z. "*Task-specific ionic liquid-induced one-pot cascade assembly of polyfunctionalized spirocyclopropanes*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 22. **Alizadeh A.**; Khodaei M.M.; Hatami Z. "*Novel ammonium-based ionic liquids as green and recyclable catalysts for the synthesis of bis(indolyl)methanes*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 23. **Alizadeh A.**; Khodaei M.M.; Abdi G. "*The first report on polyamine-catalyzed Henry reaction in aqueous media*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 24. **Alizadeh A.**; Khodaei M.M.; Abdi G. "*The magnetically separable catalyst in Henry reaction*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 25. **Alizadeh A.**; Khodaei M.M.; Majdinasab A. "*Novel polyamine-silica supported catalyst mediated synthesis of 2-benzylidene-indan-1,3-diones under green conditions*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 26. **Alizadeh A.**; Khodaei M.M.; Majdinasab A. "*One-pot synthesis of 1,4-disubstituted 1,2,3-triazoles via a copper(I)-catalyzed three-component reaction in ionic liquid*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 27. **Alizadeh A.**; Khodaei M.M.; Monjezi F. "*An application of ion exchange(III) as solid supported catalyst: One-pot, multi-component synthesis of highly substituted pyridines*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 28. **Alizadeh A.**; Khodaei M.M.; Monjezi F. "*An efficient multi-component synthesis of highly substituted pyridines over newly synthesized organoamine-functionalized mesoporous silica*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 29. **Alizadeh A.**; Khodaei M.M.; Monjezi F. "*Novel cascade route to spirobarbiturates through one-step multi-component reaction of aldehydes with dialkylbarbituric acid in ionic liquid*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 30. **Alizadeh A.**; Khodaei M.M.; Ostovar S. "*Ionic liquid catalyzed Sequential One-pot Cascade Reactions Synthesis of 4, 4'-(arylmethylene) bis (1H-pyrazol-5-ols) and 4-[(indol-3-yl)-arylmethyl]-1-phenyl-3-methyl-5-pyrazolones under solid-state conditions*" 15th Iranian Chemistry Congress, Hamadan, Iran, 2011.
 31. **Alizadeh A.**; Khodaei M.M.; Ostovar S. "*High-yielding synthesis of arylalkylidene rhodanine derivatives using a polyamine catalyst supported on silica as a basic and*

- recyclable catalyst*" 15th Iranian Chemistry Congress, Hamadan, Iran, **2011**.
32. **Alizadeh A.**; Khodaei M.M.; Kordestani D.; Vafajou Z. "*Metformine-protected silver nanoparticles: preparation, characterization and biological investigations*" 15th Iranian Chemistry Congress, Hamadan, Iran, **2011**.
 33. **Alizadeh A.**; Khodaei M.M.; Hamidi Z. "*A rapid colorimetric sensor for metal ions in aqueous solution: Aggregation of organic-modified gold nanoparticles*" 15th Iranian Chemistry Congress, Hamadan, Iran, **2011**.
 34. **Alizadeh A.**; Khodaei M.M.; Ghouzivand S. "*Green synthesis of plant-mediated gold nanoparticles using a water extract of Ferulago Angulata and size control investigations*" 25th National Chemistry Congress with International Participation, Atatürk University, Erzurum, Turkey, **2011**.
 35. **Alizadeh A.**; Khodaei M.M.; Hamidi Z. "*Rapid naked-eye detection of metal ions based on non-cross linking aggregation of pyridinesfunctionalized gold nanoparticles*" 5th International Meeting on Developments in Materials, Processes and Applications of Emerging Technologies (5th MPA Meeting), University of Minho, Alvor, Portugal, **2011**.
 36. **Alizadeh A.**; Khodaei M.M.; Fakhari M. "*Electroorganic Synthesis of Novel Caffeic Acid Analogues in Aqueous Medium*" First United Arab Emirates Conference on Pure and Applied Chemistry (ECPAC11), American University at Sharjah, Sharjah, UAE, **2011**.
 37. **Alizadeh A.**; Khodaei M.M.; Fakhari M. "*Electrochemically Induced Indirect Synthesis of Barbituric Acid Derivatives through Cascade Condensation Reactions*" The 9th Iranian Biennial Electrochemistry Conference (9IBEC), Yazd, Iran, **2010**.
 38. **Alizadeh A.**; Khodaei M.M.; Vafajou Z. "*Electrochemical Synthesis and Evaluation of Antioxidant and Cytotoxicity Effects of New Taurine Derivatives on Different Cell Lines*" The 9th Iranian Biennial Electrochemistry Conference (9IBEC), Yazd, Iran, **2010**.
 39. **Alizadeh A.** "*Organic Modified Gold Nanoparticles: From Synthesis to Applications*" 17th Iranian Seminar of Organic Chemistry, Babolsar, Iran, **2010**. (INVITED)
 40. **Alizadeh A.**; Khodaei M.M.; Ghahremani M. "*Electrosynthesis of highly functionalized hydroquinone derivatives through sequential Michael reaction of benzoquinones with CH-acid nucleophiles*" Shanghai China, **2009**.
 41. Khodaei M.M.; **Alizadeh A.**; Ghahremani M. "*Electrochemical oxidative coupling reaction of hydroquinone derivatives with sulfur nucleophiles*" Shanghai China, **2009**.
 42. Adibi H.; Khodaei M.M.; **Alizadeh A.**; Pakravan N.; Rashidi A.; Majnooni M.B.; Abiri R.; Nematollahi D. "*Synthesis, characterization, in vitro antimicrobial and antioxidant activities of catecholthioethers*" The 13th Asian Chemical Congress, Shanghai China, **2009**.
 43. **Alizadeh A.**; Khodaei M.M.; Karami Ch.; Shamsipur M.; Sadeghi M. "*Modification of Gold Nanoparticles with Monoaza Crown Ethers (Synthesis, Characterization & Aggregation)*" 1st International Conference on Multifunctional, Hybrid and Nanomaterials, Tours France, **2009**.

44. Ghaemi N.; Madaeni S.S.; De Nobili M.; **Alizadeh A.** "Effect of presence of humic substances on ultrafiltration of xenobiotic compounds" EUROMEMBRANE2009, Montpellier France, **2009**.
45. **Alizadeh A.**; Khodaei M.M. "Promotion effect of Zn on catalytic performance of cobalt catalysts supported on TiO_2 " 2nd National Conference on Natural Gas Conversion, Tehran Iran, **2008**.
46. **Alizadeh A.**; Khodaei M.M.; Eshghi E. "An efficient synthesis of (E)-nitroalkenes catalyzed by recoverable ionic liquid under solvent-free conditions" 15th Iranian Seminar of Organic Chemistry, Kermanshah, Iran, **2008**.
47. **Alizadeh A.**; Khodaei M.M.; Kanjouri T. "Electroorganic Synthesis of Novel Imidazo[2,1-b]thiazoles through a Domino Oxidative/Michael-Addition Reaction" 15th Iranian Seminar of Organic Chemistry, Kermanshah, Iran, **2008**.
48. Khodaei M.M.; **Alizadeh A.**; Eshghi E. "High Yielding Ionic Liquid-Catalyzed Crossed-Aldol Condensation of Ketones with Aromatic Aldehydes" 15th Iranian Seminar of Organic Chemistry, Kermanshah, Iran, **2008**.
49. **Alizadeh A.**; Khodaei M.M.; Karami Ch. "Modification of Gold Nanoparticles with Monoaza Crown Ethers (Synthesis, Characterization & Aggregation)" 15th Iranian Seminar of Organic Chemistry, Kermanshah, Iran, **2008**.
50. Fallah A.H.; **Alizadeh A.**; Khodaei M.M. "Nano-engineered Silica Xerogel/Metal Composites: Reusable and Stable Heterogeneous Catalysts for Organic Transformations" 15th Iranian Seminar of Organic Chemistry, Kermanshah, Iran, **2008**.
51. Khodaei M.M.; **Alizadeh A.**; Kordestani D. " P_2O_5 as the efficient catalyst for the Friedländer reaction" 15th Iranian Seminar of Organic Chemistry, Kermanshah, Iran, **2008**.
52. **Alizadeh A.**; Khodaei M.M.; Ghahremani M. "Straightforward Domino Coupling Reactions of Dihydroxybenzenes with Piperidine Dithiocarbamate: Electrochemical Investigations" 15th Iranian Seminar of Organic Chemistry, Kermanshah, Iran, **2008**.
53. **Alizadeh A.**; Khodaei M.M.; Moradi A.; Hamidi Z. "Surface Modification of Aldehyde-Terminated Gold Nanoparticles through Interfacial Coupling Reactions" 15th Iranian Seminar of Organic Chemistry, Kermanshah, Iran, **2008**.
54. Khodaei M.M.; **Alizadeh A.**; Moradi Kh. "The Green and Diastereoselective Oxidative Cyclization Reaction of Bisnaphthols to Spirans" 15th Iranian Seminar of Organic Chemistry, Kermanshah, Iran, **2008**.
55. Fallah A.H.; **Alizadeh A.** "An Eco-Friendly Entry to Glassy Materials through Nano-Engineered Silica Aerogel" XIVth International Sol-Gel Conference, Montpellier France, **2007**.
56. **Alizadeh A.**; Khodaei M.M.; Nematollahi D.; Hesari M.; Pakravan N. and Kanjouri T. "Electrochemical Study of New Enaminones in Aqueous Media: Anodic Investigation" 15th Iranian Seminar of Analytical Chemistry, Shiraz University, Shiraz, Iran, **2007**.

57. Hesari M.; Shariatmanesh T.; Nematollahi D. and **Alizadeh A.** "*Electrochemically Initiated Michael Addition Reaction to Attain Substituted Amino-quinones*" 15th Iranian Seminar of Analytical Chemistry, ShirazUniversity, Shiraz, Iran, **2007**.
58. Hesari M.; Nematollahi D. and **Alizadeh A** "*Electrochemical Synthesis of Coordinated Compounds. Part 1: Tin (II) Catechol Complexes*" 15th Iranian Seminar of Analytical Chemistry, ShirazUniversity, Shiraz, Iran, **2007**.
59. **Alizadeh, A.**; Fallah, A.H and Yamini Y. "*Nano-Engineered Silica Aerogel: An Eco-Friendly Entry to Glassy Materials*" 1st Iranian Conference of Nanotechnology in Environments, The Center of Excellence for Environmental NanoTechnology, Isfahan University of Technology, Isfahan, Iran,**2007**.
60. **Alizadeh, A.**; Nematollahi, D.; Hesari, M. and Malekzadeh, M. "*Comparative Chemical and Electrochemical Oxidations of Dihydroxy benzoic Acids in the Presence of Aryl Sulfinic Acids: Diversity in the Organic and Electroorganic Synthesis of Diaryl Sulfones*"The 89th Conference of the Canadian Chemical Society for Chemistry, Halifax, Nova Scotia, Canada,**2006**.
61. **Alizadeh, A.** and Workentin, M.S. "*Electrochemical Studies of the Radical-induced Surface Modification of the Monolayer-protected Gold Nanoparticle and Self-assembled Monolayer*" 2nd ECHEMS Meeting on Electrochemistry in Surface Functionalization, Canary Islands (La Palma), Spain, **2006**.(Oral Presentation)
62. **Alizadeh, A.** and Workentin, M. S. "*Monolayer-Protected Gold Nanoparticles and Self-Assembled Monolayers: From Immobilization to the Controllable Liberation of Organic Monolayers*" The FirstWorkshop on Nanostructure, Kish University, Kish, Iran,**2006**. (Oral Presentation)
63. **Alizadeh, A.** and Workentin, M. S. "*Photochemically Induced Radical Release of Organic Monolayers from 2D and 3D Gold Surfaces*" The 88th Conference of the Canadian Chemical Society for Chemistry, Saskatoon, SK, Canada,**2005**. (Oral Presentation)
64. **Alizadeh, A.**;Habibi, D. and Workentin, M. S. "*The Monitoring of Radical-Induced Desorption of Self-Assembled Monolayer From Gold Electrode by Cyclic Voltammetry*"6th Biennial Electrochemistry Seminar of Iran (6BESI), Hamadan, Iran, **2005**. (Oral Presentation)
65. Workentin M.S.; Kell A.J.; Chang Y.; Zhu J.; Johnson M.; **Alizadeh A.** "*Photochemical and Termal Reactivity on Monolayer Protected Gold Nanoparticles and to Build New Architectures*" The 88th Conference of the Canadian Chemical Society for Chemistry, Saskatoon, SK, Canada,**2005**.
66. Alizadeh A.; Nematollahi D.; Habibi D. "*Diaryl Sulfones through Oxidative Coupling of Catechols and Arylsulfinic Acids*" 23rd Annual Graduate Student Symposium, Buffalo, USA, **2005**.
67. **Alizadeh, A.**; Kell, A.J. and Workentin, M.S. "*Radical-Induced Change in Homogeneity of Monolayer Protected Gold Nanoparticles*" 32nd Ontario-Québec Physical Organic Mini-Symposium, ON, Queen's University, Canada, **2004**.
68. Nematollahi, D.; Habibi, D.; **Alizadeh, A.**; Hesari M. "*An Efficient Conversion of Catechols into Coumestan Derivatives*" 14th Iranian Chemistry & Chemical

Engineering Congress, Tehran, Iran, **2004**.

69. Nematollahi, D.; Habibi, D.; **Alizadeh, A.**; Hesari M. *"Chemical Oxidation of Catechols in the Presence of 4-Hydroxy-6-methyl-2-pyrone"* 14th Iranian Chemistry & Chemical Engineering Congress, Tehran, Iran, **2004**.
70. **Alizadeh A.**; Khazaei A. *"Thiocyanation of Several Arenes using Novel Electrophilic Thiocyanating Agents"* MCR2003, Genova, Italy, **2003**.
71. Khazaei, A.; **Alizadeh, A.** *"Synthesis and Application of N, N'-Dibromo-N, N'-bis (2, 5-dimethyl benzenesulphonyl) ethylenediamine and N, N-Dibromo-2, 5-dimethyl benzene sulphonamide as Novel Thiocyanating Agents"* 13th Iranian Chemistry & Chemical Engineering Congress, Tehran, Iran, **1999**.