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Professor of Organic Chemistry

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Educational Background

Ph.D.: Organic Chemistry, University of Saskatchewan, Canada, 1999 (Lewis-Acid Catalyzed & Self-Assembled Diels-Alder Reactions).

M.Sc.: Organic Chemistry, University of Tehran, Iran, 1990 (Novel Photoisomerisation of Some 2*H*-Thiopyran Derivatives).

B.Sc.: Chemistry Major, Razi University, Iran, 1986.

Teaching Experience

General Chemistry I

Organic Chemistry I

Organic Chemistry II

Organic Chemistry III

Selected Topics in Organic Chemistry (M.Sc. Level)

Physical Organic Chemistry (M.Sc. Level)

Synthesis (M.Sc. Level)

Advanced Organic Chemistry (M.Sc. Level)

Research Supervision

Supervised 5 Ph. D. and 40 Masters Theses in Organic Chemistry

Supervised undergraduate student research projects

Director of a National Applied Project (Synthesis of Phenobarbital)

Director of three international environmental research projects

Director of 5 national environmental research projects

Cooperation with UNEP on Regional Chemical Projects

Administrative Experience

Dean, Faculty of Organic Chemistry and Natural Products

Departmental Committee member

Member of the Board of Faculty Facilities

General Director of Faculty Members Credit Union

ISI Publications

1. Pourabdi, L.; Owsati, F.; Mojtahedi, M. M.; Abaee, M. S. A convenient one-pot synthesis of thiopyrano[4,3-b]pyran derivatives under LiOH.H₂O/EtOH/ultrasonic conditions. *J. Sulfur Chem.* **2014**, *37*, in press.
2. Sharifi, A.; Moazami, M.; Ghonouei, N.; Abaee, M. S.; Mirzaei, M. Copper-catalyzed *N*-arylation of heterocycles in ethylene glycol medium. *Scientia Iran* **2014**, *23*, in press.
3. Abaee, M. S.; Forghani, S.; Mojtahedi, M. M.; Harms, K. Facile one-pot synthesis of novel dicyanoanilines fused to tetrahydro-4*H*-thiopyran-4-one ring via Et₃N/H₂O catalyzed *pseudo* four-component reaction. *J. Sulfur Chem.* **2016**, *37*, 683-691.
4. Sharifi, A.; Ansari, M.; Darabi, H. R.; Abaee, M. S. Synergistic promoting effect of ball milling and KF-alumina support as a green tool for solvent-free synthesis of 2-arylidene-benzothiazinones. *J. Sulfur Chem.* **2016**, *37*, 593-600.
5. Abaee, M. S.; Mahmoudi, F.; Forghani, S.; Mojtahedi, M. M.; Harms, K. Efficient synthesis of novel bis(arylmethylidenes) of the 2,2-dimethyl-1,3-dithian-5-one system. *J. Sulfur Chem.* **2016**, *37*, 259-268.
6. Abaee, M. S.; Doustkhah, E.; Mohammadi, M.; Mojtahedi, M. M.; Harms, K. Tandem aldol condensation-Diels-Alder-aromatization sequence of reactions: a new pathway for the synthesis of 2-tetralone derivatives. *Can. J. Chem.* **2016**, *94*, 733-737.
7. Abaee, M. S.; Mohammadi, M.; Mojtahedi, M.; Halvagar, M. R. Synthesis and Diels-Alder reactions of novel styrylcyclohexenol dienes: a general pathway for the synthesis of tricyclic lactone and octahydronaphthalene systems. *Tetrahedron Lett.* **2016**, *57*, 4094-4097.
8. Sharifi, A.; Ansari, M.; Darabi, H. R.; Abaee, M. S. Synergistic promoting effect of ball milling and KF-alumina support for the green synthesis of benzothiazinones. *Tetrahedron Lett.* **2016**, *57*, 529-532.
9. Mojtahedi, M. M.; Pourabdi, L.; Abaee, M. S.; Jami, H.; Dini, M.; Halvagar, M. R. Facile one-pot synthesis of novel *ortho*-aminocarbonitriles and dicyanoanilines fused to heterocycles via *pseudo* four-component reactions. *Tetrahedron* **2016**, *72*, 1699-1705.
10. Abaee, M. S.; Mohammadi, M.; Mohammadi, A.; Mojtahedi, M. M.; Rezaei, M. T.; Saberi, F.; Harms, K. Sequential Diels-Alder reactions in a conjugated tetraene system. *J. Chem. Res.* **2016**, *40*, 193-195.
11. Sharifi, A.; Ghonouei, N.; Abaee, M. S. Ethylene glycol, an efficient and recoverable medium for copper-catalyzed *N*-arylation of diazoles under microwave irradiation. *Synth. Commun.* **2016**, *46*, 249-256.
12. Abaee, M. S.; Akbari, A.; Mojtahedi, M. M. Et₃N/H₂O: A green and inexpensive organocatalytic medium for efficient Baylis-Hillman reaction. *Iran J. Catal.* **2016**, *6*, 141-145.
13. Abaee, M. S.; Mobayen, F.; Mojtahedi, M. M.; Saberi, F.; Khavasi, H. R. Et₂NH/H₂O catalyzed tandem aldol condensation - Diels-Alder cycloaddition sequence for the one-pot synthesis of (2*R*,3*S*)-rel-3-aryl-1,2,3,4,5,6,7,8-octahydro-6,6-dimethyl-8-oxo-2-naphthalenecarboxylates. *Arkivoc* **2015**, *vii*, 305-315.
14. Sharifi, A.; Hosseini, F.; Ghonouei, N.; Abaee, M. S.; Mirzaei, M.; Mesbah, A. W.; Harms, K. Reactions of 2-aminothiophenols with chalcones in an ionic liquid medium: a chemoselective catalyst-free synthesis of 1,5-benzothiazepines. *J. Sulfur Chem.* **2015**, *36*, 257-269.
15. Abaee, M. S.; Akbarzadeh, E.; Shockravi, A.; Mojtahedi, M. M.; Khavasi, H. R. Nano ZrO₂: an efficient, recyclable, and inexpensive catalyst for diastereoselective three-component Mannich reactions. *Can. J. Chem.* **2014**, *92*, 659-664.
16. Abaee, M. S.; Cheraghi, S. Aqueous DABCO, an efficient medium for rapid organocatalyzed Knoevenagel condensation and Gewald reaction. *Turk. J. Chem.* **2014**, *38*, 650-660.
17. Abaee, M. S.; Akbarzadeh, E.; Shockravi, A.; Mojtahedi, Mehraki, E.; M. M.; Khavasi, H. R. Three-component *anti* selective Mannich reactions in pyran-4-one system by using PDAG-Co catalyst. *Heterocycl. Commun.* **2014**, *20*, 123-128.
18. Abaee, M. S.; Cheraghi, S. Efficient three-component Gewald reactions under Et₃N/H₂O conditions. *J. Sulfur Chem.* **2014**, *35*, 261-269.

19. Abaee, M. S.; Cheraghi, S. Synthesis of 2-amino-3-carboxamidothiophenes by a four-component Gewald reaction under aqueous conditions. *Arkivoc* **2014**, iv, 1-10.
20. Mojtahedi, M. M.; Abaee, M. S.; Samianifard, M.; Shamloo, A. An efficient synthesis of monoarylidene derivatives of pyran-4-one and piperidin-4-one. *Scientia Iran* **2014**, 21, 719-726.
21. Sharifi, A.; Abaee, M. S.; Mokhtare, Z.; Mirzaei M. A room-temperature method for the efficient synthesis of 2H-1,4-benzoxazine derivatives using a recoverable ionic liquid medium. *Env. Chemm. Lett.* **2014**, 12, 365-370.
22. Saatchi, A.; Kadivar, M.; Soleimanian Zad, S.; Abaee, M. S. Application of some antifungal and antioxidant compounds extracted from some herbs in cake as biopreservatives. *J. Agr. Sci. Tech.* **2014**, 16, 561-568.
23. Mirza-Aghayan, M.; Saravani, F.; Tarlani, A. A.; Abaee, M. S.; Boukherroub, R. One-pot synthesis of 2-aminotetrahydrothiopyrano[4,3-b]-pyran-3-carbonitrile derivatives using mesoporous NH₂-MCM-41. *Monatsh. Chem.* **2013**, 144, 1699-1704.
24. Hemmati, S.; Mojtahedi, M. M.; Abaee, M. S.; Vafajoo, Z.; Saremi, S. G.; Noroozi, M.; Sedrpoushan, A.; Ataee, M. One-pot tandem reactions for direct conversion of thiols and disulfides to sulfonic esters, and Paal-Knorr synthesis of pyrrole derivatives catalyzed by TCCA. *J. Sulfur Chem.* **2013**, 34, 347-357.
25. Yaghoubi Arzephoni, A.; Naimi-Jamal, M. R.; Sharifi, A.; Abaee, M. S.; Mirzaei, M. [Omim][BF₄] ionic liquid, a green and recyclable medium for one-pot aminomethylation of electron-rich aromatic compounds. *J. Chem. Res.* **2013**, 216-218.
26. Sharifi, A.; Abaee, M. S.; Rouzgard, M.; Mirzaei M. Ionic liquid [bmim][NO₃], an efficient medium for green and one-pot synthesis of benzothiazinones at room-temperature. *Scientia Iran* **2013**, 20, 555-560.
27. Sharifi, A.; Abaee, M. S.; Rouzgard, M.; Mirzaei M. [Omim][NO₃], a green and base-free medium for one-pot synthesis of benzothiazinones at room temperature. *Synth. Commun.* **2013**, 43, 2079-2089.
28. Mojtahedi, M. M.; Abaee, M. S.; Samianifard, M.; Shamloo, A.; Padyab, M.; Mesbah, A. W.; Harms, K. Ultrasound mediation for efficient synthesis of monoarylidene derivatives of homo- and heterocyclic ketones. *Ultrason. Sonochem.* **2013**, 20, 924-930.
29. Abaee, M. S.; Cheraghi, S.; Navidipoor, S.; Mojtahedi, M. M.; Forghani, S. An efficient tandem aldol condensation-thia-Michael addition process. *Tetrahedron Lett.* **2012**, 53, 4405-4408.
30. Abaee, M. S.; Mojtahedi, M. M.; Saberi, F.; Karimi, G.; Rezaei, M. T.; Mesbah, A. W.; Harms, K.; Massa, W. A novel and efficient tandem aldol condensation-Diels-Alder reaction pathway for direct synthesis of dehydrodecaline derivatives. *Synlett* **2012**, 23, 2073-2076.
31. Mojtahedi, M. M.; Abaee, M. S.; Rajabi, A.; Mahmoodi, P.; Bagherpoor, S. Recyclable superparamagnetic Fe₃O₄ nanoparticles for efficient catalysis of thiolysis of epoxides. *J. Mol. Catal. A Chem.* **2012**, 361-362, 68-71.
32. Sharifi, A.; Barazandeh, M.; Abaee, M. S.; Mirzaei, M. K₂CO₃/H₂O in [Omim][BF₄] Ionic Liquid: A green medium for efficient room-temperature synthesis of N-substituted 1,4-benzoxazin-3-ones. *J. Heterocycl. Chem.* **2012**, 49, 933-938.
33. Abaee, M. S.; Mojtahedi, M. M.; Akbari, A.; Mehraki, E.; Mesbah, A. W.; Harms, K. Anti selective three-component Mannich reactions in thiopyran-4-one system. *J. Heterocycl. Chem.* **2012**, 49, 1346-1351.
34. Sharifi, A.; Abaee, M. S.; Rouzgard, M.; Mirzaei M. Ionic liquid [omim][NO₃], a green medium for room-temperature synthesis of benzothiazinone derivatives in one pot. *Green Chem. Lett. Rev.* **2012**, 5, 649-698.
35. Harms, K.; Abaee, M. S.; Mojtahedi, M. M.; Mesbah, A. W. *rac* -3-[(3-Chloroanilino)(4-chlorophenyl)methyl]thian-4-one. *Acta Cryst. E68.* **2012**, o749.
36. Harms, K.; Abaee, M. S.; Mojtahedi, M. M.; Mesbah, A. W. *rac* -3-[(3-Chloroanilino)(4-chlorophenyl)methyl]thian-4-one. *Acta Cryst. E68.* **2012**, o646.
37. Abaee, M. S.; Massa, W.; Mojtahedi, M. M.; Mesbah, A. W. (2*E*,6*E*)-2,6-Bis(4-methylbenzylidene)-cyclohex-3-en-1-one. *Acta Cryst. E68.* **2012**, o355.
38. Mojtahedi, M. M.; Massa, W.; Abaee, M. S.; Mesbah, A. W. (4*Z*,6*Z*)-4,6-Bis(4-methoxybenzylidene)-2,2-

dimethyl-1,3-dioxan-5-one. *Acta Cryst. E68*. **2012**, o356.

39. Mojtahedi, M. M.; Abaee, M. S.; Khakbaz, M.; Alishiri, T.; Samianifard, M.; Mesbah, A. W.; Harms, K. An Efficient procedure for the synthesis of α,β -unsaturated ketones and its application to heterocyclic systems. *Synthesis* **2011**, 3821-3826.
40. Abaee, M. S.; Mojtahedi, M. M.; Pasha, G. F.; Akbarzadeh, E.; Shockravi, A.; Mesbah, A. W.; Massa, W. Switching the reactivity of dihydrothiopyran-4-one with aldehydes by aqueous organocatalysis: Baylis-Hillman, aldol, or aldol condensation reactions. *Org. Lett.* **2011**, *13*, 5282-5285.
41. Abaee, M. S.; Mojtahedi, M. M.; Rezaei, M. T.; Khavasi, H. Diels-Alder reactions of styrylcyclohexenones: an efficient procedure for the synthesis of substituted dehydrodecaline derivatives. *Acta Chim. Slov.* **2011**, *58*, 605-610.
42. Abaee, M. S.; Mojtahedi, M. M. Navidipoor, S. Diethylamine catalyzed dimerization of thiols: an inexpensive and green method for the synthesis of homodisulfides under aqueous conditions. *Synth. Commun.* **2011**, *41*, 170-176.
43. Mojtahedi, M. M.; Alishiri T.; Abaee, M. S. Ultrasound mediated Willgerodt-Kindler reactions: non-thermal synthesis of thioacetamides. *Phosphorus Sulfur Silicon.* **2011**, *186*, 1910-1915.
44. Mojtahedi, M. M.; Javadpour, M.; Abaee, M. S.; Solvent-Free Acetylation of thiols under catalysis of $MgBr_2 \cdot OEt_2$. *Phosphorus Sulfur Silicon* **2010**, *185*, 2362-2365.
45. Abaee, M. S.; Akbarzadeh, E.; Sharifi, R.; Mojtahedi, M. M. Environmentally friendly transesterification and transacylation reactions under LiBr catalysis. *Monatsh. Chem.* **2010**, *141*, 757-761.
46. Mojtahedi, M. M. Abaee, M. S.; Mahmoodi, P.; Adib, M. Convenient synthesis of 2-aminothiophene derivatives by acceleration of Gewald reaction under ultrasonic aqueous conditions. *Synth. Commun.* **2010**, *40*, 2067 - 2074.
47. Sharifi, A.; Abaee, M. S.; Mirzaei, M.; Naimi-Jamal M. R. One-pot self-condensation of phenylboronic acid with phenols and aldehydes. *Asian. J. Chem.* **2010**, *22*, 6519-6523.
48. Sharifi, A.; Barazandeh, M.; Abaee, M. S.; Mirzaei, M. [Omim][BF₄], a green and recyclable ionic liquid medium for the one-pot chemoselective synthesis of benzoxazinones. *Tetrahedron Lett.* **2010**, *51*, 1852-1855.
49. Abaee, M. S.; Mojtahedi, M. M. Forghani, S.; Ghandchi, N. M.; Forouzani, M. Sharifi, R. Chaharnazm. B. Green, inexpensive, and efficient organocatalyzed procedure for aqueous aldol condensations. *J. Braz. Chem. Soc.* **2009**, *20*, 1895-1900.
50. Mojtahedi, M. M. Abaee, M. S.; Alishiri T. Superparamagnetic iron oxide as an efficient catalyst for the one-pot, solvent-free synthesis of α -aminonitriles. *Tetrahedron Lett.* **2009**, *50*, 2322-2325.
51. Sharifi, A.; Abaee, M. S.; Mirzaei, M. Chemoselective synthesis of diphenylbenzolactones under montmorillonite K-10 catalysis. *Heterocycl. Commun.* **2009**, *15*, 319-322.
52. Abaee, M. S.; Mojtahedi, M. M.; Hamidi, V.; Mesbah, A. W.; Massa, W. The first synthesis of bis(arylmethylidene)dioxan-5-ones: potential scaffolds to access vicinal tricarbonyl derivatives. *Synthesis* **2008**, 2122-2126.
53. Abaee, M. S.; Hamidi, V.; Mojtahedi, M. M. Ultrasound promoted aminolysis of epoxides in aqueous media: A rapid procedure with no pH adjustment for additive-free synthesis of β -aminoalcohols *Ultrason. Sonochem.* **2008**, *15*, 823-827.
54. Abaee, M. S.; Mojtahedi, M. M.; Abbasi, H.; Fatemi, E. R. Additive-free thiolysis of epoxides in water: a green and efficient regioselective pathway to β -hydroxy sulfides. *Synth. Commun.* **2008**, *38*, 282-289.
55. Abaee, M. S.; Mojtahedi, M. M.; Sharifi, R.; Zahedi, M. M.; Mesbah, A. W.; Massa, W. Synthesis and X-ray crystallographic analysis of bis(arylmethylidene)pyranone structure. *J. Chem. Res.* **2008**, 388-389.
56. Abaee, M. S.; Mojtahedi, M. M.; Sharifi, R.; Mesbah, A. W.; Massa, W. Lithium bromide mediated synthesis and X-Ray analysis of bisarylmethylidenes of piperidinone system. *Chem. Listy* **2008**, *102*, s956-s958.
57. Mojtahedi, M. M.; Abaee, M. S.; Eghtedari, M. Superparamagnetic iron oxide as an efficient and recoverable

- catalyst for rapid and selective trimethylsilyl protection of hydroxyl groups. *Appl. Organometal. Chem.* **2008**, *22*, 529-532.
58. Mojtahedi, M. M.; Javadpour, M.; Abaee, M. S. Convenient ultrasound mediated synthesis of substituted pyrazolones under solvent-free conditions. *Ultrason. Sonochem.* **2008**, *15*, 828-832.
 59. Mojtahedi, M. M.; Abaee, M. S.; Zahedi, M. M.; Jalali, M. R.; Mesbah, A. W.; Massa, W. Yaghoubi, R.; Forouzani, M. Facile solvent-free synthesis and structural elucidation of styrylcyclohex-2-enone derivatives. *Monatsh. Chem.* **2008**, *139*, 917-921.
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 61. Azizian, J.; Mirza, B.; Mojtahedi, M. M. Abaee, M. S.; Sargordan, M. Biginelli reaction for synthesis of novel trifluoromethyl derivatives of bis(tetrahydropyrimidinone)benzenes. *J. Fluorine Chem.* **2008**, *29*, 1083.
 62. Sharifi, A.; Abaee, M. S.; Tavakkoli, A.; Mirzaei, M. An Efficient and General Procedure for Room-Temperature Synthesis of Benzofurans under Solvent-Free Conditions Using KF/AL₂O₃. *J. Iran Chem. Soc.* **2008**, *5*, S113-S117.
 63. Sharifi, A.; Abaee, M. S.; Mirzaei, M.; Salimi, R. Ionic Liquid Mediated Darzen's Condensation: An Environmentally Friendly Procedure for Room Temperature Synthesis of α,β -Epoxy Ketones. *J. Iran Chem. Soc.* **2008**, *5*, 135-139.
 64. Sharifi, A.; Abaee, M. S.; Tavakkoli, A.; Mirzaei, M., Zolfaghari, A. R. Facile Montmorillonite K-10 Supported Synthesis of Xanthene Derivatives under Microwave and Thermal Conditions. *Synth. Commun.* **2008**, *38*, 2958-2966.
 65. Sharifi, A.; Abaee, M. S.; Zamiri, B.; Mirzaei, Efficient ionic liquid promoted synthesis of benzofurans at room-temperature. *Chem. Listy* **2008**, *102*, s978-s980.
 66. Abaee, M. S.; Mojtahedi, M. M.; Zahedi, M. M.; Sharifi, R.; Khavasi, H. Efficient synthesis of novel 3-substituted-thiopyran-4-ones. *Synthesis* **2007**, 3339-3344.
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 71. Abaee, M. S.; Mojtahedi, M. M.; Zahedi, M. M.; Sharifi, R.; Mesbah, A. W.; Massa, W. Synthesis and structural elucidation of novel bisarylmethylidenes of cyclic enones. *Synth. Commun.* **2007**, *37*, 2949-2957.
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78. Abaee, M. S.; Mojtahedi, M. M.; Zahedi, M. M.; Khanalizadeh, G. Efficient MgBr₂.OEt₂-catalyzed Knoevenagel condensation. *Arkivoc* **2006**, 48-52.
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81. Mojtahedi, M. M.; Abbasi, H.; Abaee, M. S. MgBr₂.OEt₂ mediated protection of alcohols with hexamethyldisilazane: an efficient catalytic route for the preparation of silyl ethers under solvent-free conditions. *J. Mol. Catal. A: Chem.* **2006**, *250*, 6-8.
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86. Mojtahedi, M. M.; Jalali, M. R.; Abaee, M. S.; Bolourtchian, M. Microwave-assisted synthesis of substituted pyrazolones under solvent-free conditions. *Heterocycl. Commun.* **2006**, *12*, 225-228.
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92. Ward, D. E.; Nixey, T. E.; Gai, Y.; Hrapchak, M. J.; Abaee, M. S. Intramolecular Diels-Alder reactions of 2*H*-thiopyran dienes. *Can. J. Chem.* **1996**, 1418-1436.
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94. Pirelahi, H.; Parchamazad, I.; Abaee, M. S.; Sheikhebrahimi, S. Photochromism study in some 4-thiopyran derivatives. *Phosphorus Sulfur Silicon.* **1991**, *59*, 251 -254.

Non-ISI Publications

1. Sharifi, A.; Ghonouei, N.; Abaee, M. S. Copper-catalyzed *N*-arylation of primary amines, amino alcohols and ammonia in ethylene glycol medium and under microwave irradiation. *J. Appl. Chem. Res.* **2016**, in press.

2. Abaee, M. S.; Mojtahedi, M. M.; Mehraki, E. Et₃N/H₂O: an efficient method for the synthesis of bisarylmethylidenes of 2,2-dimethyl-1,3-dioxane-5-one via the aldol condensation with aromatic aldehydes. *J. Appl. Chem. Res.* **2016**, 37-44.
3. Abaee, M. S.; Mojtahedi, M. M.; Mehraki, E. Efficient synthesis of novel fluorinated bisarylmethylidenes of pyran-4-one and piperidin-4-one systems via aldol condensation reaction. *Iran J. Org. Chem.* **2015**, 7, 1523-1527.
4. Abaee, M. S. H₂O and triethylamine, an efficient medium for rapid Knoevenagel condensation and Gewald reaction under environmentally friendly conditions. *J. Appl. Chem. Res.* **2014**, 29-33.
5. Abaee, M. S.; Mojtahedi, M. M.; Mehraki, E.; Balazadeh, A. H.; Mahdavi, H. R.; Rahimi, H. A novel procedure for the synthesis of bisarylmethylidene derivatives of thiopyran-4-one. *Org. Chem. J.* **2012**, 3, 22-27.
6. Mojtahedi, M. M.; Abaee, M. S.; Jabbari Arabzadeh, A. A tandem oxidation-aldol condensation sequence for the synthesis of bis(arylmethylidene)cycloalkanones by nanostructured MnO₂. *Org. Chem. J.* **2012**, 3, 11-16.
7. Abaee, M. S.; Mojtahedi, M. M.; Rahimi, H. Efficient MgBr₂.OEt₂ catalyzed one-pot synthesis of cyanohydrin acetates. *Org. Chem. J.* **2010**, 1, 1-4.

Chapter in a book

Mojtahedi, M. M.; Abaee, M. S. in *Handbook on Applications of Ultrasound: Sonochemistry for Sustainability: Chapter 12 (Ultrasound Applications in Synthetic Organic Chemistry)*. CRC Press, New York, 2012.

Selected Conference Posters and Abstracts

Pirelahi, H.; Abaee, M.S. 14th International symposium on the Organic Chemistry of sulfur, Lodz, Poland, 1990.

Pirelahi, H.; Abaee, M.S.; Shariati, Y.R. 15th International Symposium on the Organic Chemistry of Sulfur, Caen, France, 1992.

Ward, D.E.; Abaee, M.S. Abstracts of papers. 81st Canadian Society for chemistry Conference, Whistler, BC.; Canadian Society for Chemistry: Ottawa, ON, 1998; 016644.

Lewis Acid Catalyzed and Self-Assembled Diels-Alder Reactions (LACASA-DA): A New Strategy to Control Reactivity and Selectivity." D. E. Ward and M. S. Abaee. 36th National Organic Chemistry Symposium, June, 1999, Madison, Wisconsin. Abstract # 281.

Synthesis of activated 2H-thiopyron Diels-Alder, 9th Iranian Seminar on Organic Chemistry, Tehran, Iran, 2001.

Diels-Alder Reactions of Some 2H-Thiopyran Derivatives, 10th Iranian Seminar of Organic Chemistry, Rasht Guilan, 2002

"Lewis Acid Catalyzed and Self-Assembled Diels-Alder Reactions (LACASA-DA). A New Approach to Enhance Reactivity, Regio- and Stereoselectivity." D. E. Ward, M. S. Souweha, and M. S. Abaee. 38th National Organic Chemistry Symposium, June 8-12, 2003, Bloomington IN.

Synthesis of Phenobarbital, 8th Iranian Seminar of Pharmaceutical Sciences Shiraz Iran, 2002.

Commercial Production of Ciprofloxacin, 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, Iran August 2004

Phenobarbital Pilot Plant, 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, Iran August 2004

Commercial Production of Ranitidine Hydrochloride, 9th Iranian Seminar of Pharmaceutical Sciences, Tabriz, Iran August 2004

Synthesis of New Chlorinated Thiopyran Derivatives, 14th Iranian Chemistry & Chemical Engineering Congress, Tehran Iran, February 2004

Chemoselective Deprotonation of 2H-Thiopyran Derivatives, 14th Iranian Chemistry & Chemical Engineering Congress, Tehran Iran, February 2004

Assessment of Persistent Toxic Substances in Iran (Part of the Indian Ocean Region), 2nd National Seminar of Chemistry & Environment, Isfahan Iran, 2004

Total Petroleum Hydrocarbons Measurement in Marine Sediment Samples by Fluorescence Spectroscopy Method,), 2nd National Seminar of Chemistry & Environment, Isfahan Iran, 2004

Quantitative and Qualitative Assessment of “Clean-Up” Effect on the Analysis of TPH in Marine Sediments by Fluorescence Spectroscopy Method,), 2nd National Seminar of Chemistry & Environment, Isfahan Iran, 2004

Stabilization and Solidification of Acid Sludge Waste From Regenerative Treatment of Used Oil,), 2nd National Seminar of Chemistry & Environment, Isfahan Iran, 2004

A survey on available methods for analysis and destruction of PolyChlorinated Biphenyls (PCB's)

Industrial Synthesis of Fluoroquinolone Antibacterials in Aqueous Media, 11th Iranian Seminar of Organic Chemistry, Isfahan Iran, 2005.

Commercial Production of Enoxolone, 11th Iranian Seminar of Organic Chemistry, Isfahan Iran, 2005.

Commercial Synthesis of Naltrexone, 11th Iranian Seminar of Organic Chemistry, Isfahan Iran, 2005.

Industrial Scale Catalytic Synthesis of Sulfamethoxazole, 11th Iranian Seminar of Organic Chemistry, Isfahan Iran, 2005.

Application of Temporary Tethering Strategy in Organic Synthesis, 11th Iranian Seminar of Organic Chemistry, Isfahan Iran, 2005.

Synthesis of New Chlorinated Thiopyran Enones, 11th Iranian Seminar of Organic Chemistry, Isfahan Iran, 2005.

Consultation on Research Projects

Industrial Production of Ciprofloxacin and other Fluoroquinolone Antibacterials, Temad Pharmaceutical Company, Tehran Iran (2001-2004)

-Industrial Production of Ranitidine Hydrochloride, Temad Pharmaceutical Company, Tehran Iran

-Industrial Production of Enoxolone, Temad Pharmaceutical Company, Tehran Iran

-Industrial Production of Naltrexone, Temad Pharmaceutical Company, Tehran Iran

-Industrial Production of Sulfamethoxazole, Temad Pharmaceutical Company, Tehran Iran

Professional Membership

Canadian Society for Chemistry

Iranian Society of Chemistry