

CURRICULUM VITAE



Hadi Adibi

Associate Professor of Organic Chemistry

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I- Personal Particulars:

First Name: Hadi Surname: Adibi

Date & Place of Birth: October 3, 1972, Iran.

Nationality: Iranian.

II- Education and Qualification:

2011-2012: Fellowship in Medicinal Chemistry (Adademic Visiting), The University of Queensland

1998-2003: Ph.D in Organic Chemistry, College of Chemistry, Isfahan University of Technology, Isfahan, Iran.

Dissertation Title: Benzyltriphenylphosphonium Peroxymonosulfate as a Novel Reagent in Organic Transformations.

Supervisor: Professor Abdol Reza Hajipour.

1995-1998: MS in Organic Chemistry, Faculty of Sciences, Shiraz University, Shiraz, Iran.

Thesis Title: Iron(III) Trifluoroacetate as a Novel Reagent in Organic Transformations.

Supervisor: Professor Nasser Iranpoor.

1992-1995: BS in Chemistry, Department of Chemistry, Razi University, Kermanshah, Iran.

III- Employment

Associate Professor, Faculty of Pharmacy, Kermanshah University of Medical Sciences.

IV- Teaching Experience:

September 2003-Up to Now:

Lecturer: Advanced Organic Chemistry, Physical Organic Chemistry, Organic Chemistry I, II and III, General Chemistry I and II, Spectroscopic Identification of Organic Compounds, An Introduction to Medicinal Chemistry, Advanced Heterocyclic Chemistry, Instrumental Analysis, Physical Organic Chemistry, Photochemistry

Laboratory: General Chemistry, Organic Chemistry I and II, Instrumental Analysis.

September 2000-2003:

Graduate Teaching Assistant for General Chemistry and Organic Chemistry Laboratories and Discussion Class for Organic Chemistry, College of Chemistry, Isfahan University of Technology, Isfahan, Iran.

V- Research Experience:

- 1- Synthesis of Organic Compounds Under Solvent-Free/Ionic Liquids Conditions.
- 2- Synthesis of Cytotoxic and Anti-Angiogenesis Agents
- 3- Synthesis of Metal-Based Drugs (Biometals, and Metal Chelators)
- 4- Synthesis of Biologically-Active Compounds (Antimicrobial, Antioxidant, Antileishmania, Hypoglycemic, Antiproliferative, Anti-Mycobacterium Tuberculosis, Hypolipidemic Activity, Neuroprotective)

- 5- Synthesis of DNA Intercalators and Nanoparticles for Drug Delivery
- 6- Synthesis of Enzyme Inhibition Agents (Carbonic Anhydrase, Aldose Reductase, Tyrosinase, Aldose Reductase, Metallo-Beta-Lactamase, Purpule Acid Phosphatase, Tyrosine Kinase)
- 7- Synthesis of Antioxidants
- 8- Inhibitors of beta-amyloid aggregation
- 9- Synthesis of caspase activators
- 10- Experiences in molecular modeling softwares related to drug design (Arguslab, Molegro molecular viewer, Ligandscout, chemoffice).
- 11- Experience in NMR spectroscopy and structure characterization

VI- Awards:

May 2005: The Award for the Distinguished Teacher of the Year, Kermanshah University of Medical Sciences, Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

May 2006: The Award for the Distinguished Teacher of the Year, Kermanshah University of Medical Sciences, Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2007: The Award for the Distinguished Researcher of the Year, Kermanshah University of Medical Sciences, Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2008: The Award for the Distinguished Researcher of the Year, Kermanshah University of Medical Sciences, Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2010: The Award for the Distinguished Researcher of the Year, Kermanshah University of Medical Sciences, Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2011: The Award for the Distinguished Researcher of the Year, Kermanshah University of Medical Sciences, Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2012: The Award for the Distinguished Researcher of the Year, Kermanshah University of Medical Sciences, Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2013: The Award for the Distinguished Researcher of the Year, Kermanshah University of Medical Sciences, Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2014: The Award for the Distinguished Researcher of the Year, Kermanshah University of Medical Sciences, Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

December 2015: The Award for the Distinguished Researcher of the Year, Kermanshah University of Medical Sciences, Certificate is given by the Chancellor of Kermanshah University of Medical Sciences.

H-Index in accordance to Scopus: 16

Citations documented in Scopus: 945

VII- Scientific Positions:

January 2007-Up to May 2011: Head of Medicinal Chemistry Department, Faculty of Pharmacy, Kermanshah University of Medical Sciences.

April 2011-October 2011: Research Affairs Director, Faculty of Pharmacy

Member of Iranian Chemical Society.

Referee of International Journals Indexed/Abstracted in ISI and Scopus.

Editorial Board of ISRN Analytical Chemistry (Hindawi Publishing Corporation)

Editorial Board of Biochemistry and Pharmacology

Section Editor, Journal of Reports in Pharmaceutical Sciences

VIII- References:

1. Professor Nasser Iranpoor, Department of Chemistry, Shiraz University, Shiraz, Iran (iranpoor@chem.sucs.ac.ir).
2. Professor Abdol Reza Hajipour, Department of Chemistry, Isfahan University of Technology, Isfahan, Iran (haji@cc.iut.ac.ir).
3. Dr. Ross McGeary, School of Chemistry & Molecular Biosciences, and School of Pharmacy, The University of Queensland (r.mcgeary@uq.edu.au)
4. Dr. Hossein Adibi, Queensland University of Technology, Australia (h.adibi@qut.edu.au)

IX- Students Graduated

MSc. Graduated

- 1- **Parvin Heshmati** (Islamic Azad University, North Tehran Branch, September 2009)
- 2- **Maryam Mazhari** (Payame Noor University, East Tehran Branch)
- 3- **Masoumeh Omid** (Faculty of Chemistry, Payame-Noor University)
- 4- **Majid Ahmadi** (Faculty of Chemistry, Malek-e-Ashtar University of Technology)
- 5- **Zahra Razmjou** (Faculty of Graduate Studies, Islamic Azad University, Kermanshah Branch)

PhD Graduated

- 6- **Parvaneh Pakravan** (Faculty of Chemistry, Razi University)
- 7- **Peyvand Valeh-e- Sheyda** (Faculty of Chemical Engineering , Razi University)

Pharm. D. Graduated

- 8- **Hadi Asgharloo** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 9- **Karim Najafi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 10- **Abdolhamid Monkaresi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 11- **Mohammad B. Majnooni** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 12- **Leila Chehardoli** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 13- **Maryam Emamian** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 14- **Zohreh Ebrahimipour** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 15- **Zohreh Heydari** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 16- **Mehdi Tirandaz** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 17- **Samira Shirouei** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 18- **Shima Seifi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 19- **Zahra Nobahar** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 20- **Marzieh Hamzeh** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 21- **Bahareh Jalilian** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 22- **Mona Taheri** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)

- 23- **Omid Heydari** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 24- **Zahra Hosseinikhah** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 25- **Narges Zandieh** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 26- **Arezu Lari** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 27- **Atefeh Rashidi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 28- **Shamsi Heydarian** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 29- **Nahideh Mahdavi-Aghdam** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 30- **Shahab Eradati** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 31- **Maryam Khaleghi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 32- **Zahra Niazi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 33- **Maryam Mahdian** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 34- **Sepideh Farhadi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 35- **Ehsan Beyhaghi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 36- **Ali Jafari** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 37- **Mehrdad Seifoori** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 38- **Mahya Amirafshari** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 39- **Nahid Alimoradi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 40- **Sara Khamoshi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 41- **Milad Manochehrabadi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 42- **Hesam Yousefi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 43- **Mahdi Rahpeyma** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 44- **Zeynab Mansouri** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 45- **Navid Mahmoodian** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
- 46- **Sonya Hayati** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)

47. **Maryam Abbassi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
48. **Donya Nazari** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
49. **Ehsan Eskandari** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
50. **Kazhal Amiri** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
51. **Sadaf Torabi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
52. **Saeedeh Almasi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
53. **Fereshteh Ahmadi** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
54. **Saeed Jafari** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
55. **Arman Moradi-Mirani** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)
56. **Sima Fereidonfara** (Faculty of Pharmacy, Kermanshah University of Medical Sciences)

Current Pharm. D. Students

Current PhD and MSc. Students

57. **Saba Ghanbari** (Faculty of Science, Behbahan Khatam Alanbia University of Technology)
58. **Hanieh Rahimi** (Faculty of Medicinal Chemistry, Pharmaceutical Sciences Branch, Islamic Azad University)

X- List of Publications and Research Projects:

Research Projects: 45 (completed or in progress)

Please note: Many of our projects are commercially sensitive and cannot be advertised on the web/CV. Please contact Dr Hadi Adibi to discuss the latest research projects.

Title:

Investigation of crystallographic structure, in vitro cytotoxicity and DNA interaction of two La (III) and Ce (IV) complexes containing dipicolinic acid and 4-dimethylaminopyridine

H Adibi, S Abdolmaleki, N Shahabadi, A Golabi, M Mahdavi, ...

Polyhedron 163, 20-32

2019

[Synthesis, X-ray studies, electrochemical properties, evaluation as in vitro cytotoxic and antibacterial agents of two antimony \(III\) complexes with dipicolinic acid](#) 2019

S Abdolmaleki, N Yarmohammadi, H Adibi, M Ghadermazi, ...

Polyhedron 159, 239-250

[Detection/quantification of amyloid aggregation in solution using the novel fluorescent benzofuranone-derivative compounds as amyloid fluorescent probes: synthesis and in vitro ...](#) 2019

S Abbasbeigi, H Adibi, S Moradi, SA Ghadami, R Khodarahmi

Journal of the Iranian Chemical Society, 1-13

[Effective suppression of the modified PHF6 peptide/1N4R Tau amyloid aggregation by intact curcumin, not its degradation products: Another evidence for the pigment as preventive ...](#) 2018

N Bijari, S Balalaie, V Akbari, F Golmohammadi, S Moradi, H Adibi, ...

International journal of biological macromolecules 120, 1009-1022

[In vitro cytotoxic study of benzylthio-triazol-5-haloisatin scaffolds and their evaluation on supernatants activities and levels of MMP-2 and MMP-9 in MCF-7 cell line](#) 2018

M Rahpeyma, H Adibi, M Shahlaei, K Najafi, A Kiani

Journal of Reports in Pharmaceutical Sciences 7 (3), 368

[Synthesis of hybridized benzylthio-1, 3, 4-thiadiazol-isatin derivatives and in vitro cytotoxicity evaluation](#) 2018

MB Salavati, M Omid, L Hosseinzadeh, H Adibi

International Pharmacy Acta 1 (1), 60-61

[Captopril/enalapril inhibit promiscuous esterase activity of carbonic anhydrase at micromolar concentrations: An in vitro study](#) 3 2017

S Esmaeili, MR Ashrafi-Kooshk, H Adibi, R Khodarahmi

Chemico-biological interactions 265, 24-35

- 9
- [Protective effects of glabridin against cytotoxicity and oxidative stress induced by doxorubicin in PC12 Cells](#) 5 2017
- M Modarresi, Y Manoochehri, F Ahmadi, L Hosseinzadeh, ...
- J Rep Pharm Sci 6, 1-12
- [Peppermint and its functionality: A review](#) 7 2017
- M Loolaie, N Moasefi, H Rasouli, H Adibi
- Archives of Clinical Microbiology 8 (4), 54
- [A Spectrophotometric Method for the Determination of Aldehyde Oxidase Activity Using 3-Methyl-2-Benzothiazolinone Hydrazine: A Preliminary Study](#) 1 2017
- M Siaha, MH Farzaeia, MR Ashrafi-Kooshka, H Adibib, R Khodarahmi
- Journal of Reports in Pharmaceutical Sciences 6 (1), 23-33
- [Synthesis and Leishmanicidal Activity of 1-\[5-\(5-nitrofuranyl\)-1, 3, 4-thiadiazole-2-yl\]-4-benzoylpiperazines](#) 1 2017
- A Foroumadi, H Adibi, SK Ardestani, S Shirooie, A Bozorgomid, A Jafari
- Iranian journal of pharmaceutical research: IJPR 16 (3), 904
- [Differential \$\alpha\$ -amylase/ \$\alpha\$ -glucosidase inhibitory activities of plant-derived phenolic compounds: a virtual screening perspective for the treatment of obesity and diabetes](#) 36 2017
- H Rasouli, SMB Hosseini-Ghazvini, H Adibi, R Khodarahmi
- Food & function 8 (5), 1942-1954
- [Diethylalkylsulfonamido \(4-methoxyphenyl\) methyl\) phosphonate/phosphonic acid derivatives act as acid phosphatase inhibitors: synthesis accompanied by experimental and ...](#) 3 2017
- N Alimoradi, MR Ashrafi-Kooshk, M Shahlaei, S Maghsoudi, H Adibi, ...
- Journal of enzyme inhibition and medicinal chemistry 32 (1), 20-28
- [Degradation products of the artificial azo dye, Allura red, inhibit esterase activity of carbonic anhydrase II: A basic *in vitro* study on the food safety of the colorant in ...](#) 9 2016
- S Esmaeili, MR Ashrafi-Kooshk, K Khaledian, H Adibi, S Rouhani, ...
- Food chemistry 213, 494-504

Inhibition of guinea pig aldehyde oxidase activity by different flavonoid compounds: An in vitro study

Maryam Siah, Mohammad Hosein Farzaei, Mohammad Reza Ashrafi-Kooshk, Hadi Adibi, Seyed Shahriar Arab, Mohammad Reza Rashidi, Reza Khodarahmi
Bioorganic chemistry, 2016, Volume 64, Pages 74-84

An insight on reducing the particle size of poorly-water soluble curcumin via LASP in microchannels

P Valeh-e-Sheyda, M Rahimi, H Adibi, Z Razmjou, H Ghasempour
Chemical Engineering and Processing: Process Intensification, 91, 78-88.

Cytotoxic effects of palladium complexes containing squaric ligands and sulfosuccinic acid on cancer cell lines

H Adibi, N Zandieh, K Mansouri
Journal of Kermanshah University of Medical Sciences, 18(11), 619-630.

Effect of microchannel confluence angles on size reduction of curcumin nano-suspension via liquid anti-solvent precipitation process

P Valeh-e-Sheyda, M Rahimi, A Parsamoghadam, H Adibi
Journal of the Taiwan Institute of Chemical Engineers, 46, 65-73.

Active targeted nanoparticles: Preparation, Physicochemical characterization and in vitro cytotoxicity effect

Sh Heidarian, K Derakhshandeh, H Adibi, L Hosseinzadeh
Research in Pharmaceutical Sciences, 10(3), 241-251.

LASP and Villermaux/Dushman protocols for mixing performance in microchannels: Effect of geometry on micromixing characterization and size reduction

M Rahimi, P Valeh-e-Sheyda, MA Parsamoghadam, N Azimi, H Adibi
Chemical Engineering and Processing: Process Intensification, 85, 178-186.

The effect of washing and soaking on decreasing heavy metals (Pb, Cd and As) in the rice distributed in Kermanshah in 2011

H Adibi, M Mazhari, SK Bidoki, M Mahmoodi

Journal of Kermanshah University of Medical Sciences, 17(10), 628-636.

[Synthesis and psychobiological evaluation of modafinil analogs in mice](#)

A Lari, I Karimi, H Adibi, A Aliabadi, L Firoozpour, A Foroumadi

DARU Journal of Pharmaceutical Sciences 21(1), 67.

[Kinetic of Mushroom Tyrosinase Inhibition by Benzaldehyde Derivatives](#)

S Maghsoudi, H Adibi, M Hamzeh, MR Ashrafi-Kooshk, M Rezaei-Tavirani

Journal of Reports in Pharmaceutical Sciences, 2(2), 67-75.

[Synthesis and Cytotoxic Evaluation of 6-Amino-4-Aryl-3-Methyl-2, 4-Dihydropyrano \[2, 3-C\] Pyrazole-Carbonitrile Derivatives Using Borax With Potential Anticancer Effects](#)

H Adibi, L Hosseinzadeh, S Farhadi, F Ahmadi

Journal of Reports in Pharmaceutical Sciences, 2(2), 27-35.

[Synthesis of 7-Substituted Fluoroquinolone Derivatives Containing Triazolidine Dione Moiety and In Vitro Evaluation of Their Cytotoxic Effects](#)

H Adibi, L Hosseizadeh, M Mahdian, A Foroumadi, MA Zolfigol

Journal of Reports in Pharmaceutical Sciences, 2(1), 75-82.

[Synthesis and investigation of antioxidant activities of 2-benzylidene-3-coumaranones](#)

H Adibi, A Foroumadi, R Khodarahmi, K Najafi, M Rezaei-Tavirani

Journal of Paramedical Sciences 4(2), 76-81.

[Synthesis of 4-Aryl-4H-Chromene Derivatives with Boric Acid: Evaluation of Their in vitro Anti-Angiogenesis Effects and Possible Mechanism of Action](#)

H Adibi, R Khodarahmi, K Mansouri, M Khaleghi, S Maghsoudi

Pharmaceutical Sciences 19(1), 23-30,

[Synthesis, and In-vitro Cytotoxicity Studies of a Series of Triazene Derivatives on Human Cancer Cell Lines](#)

H Adibi, MB Majnooni, A Mostafaie, K Mansouri, M Mohammadi

Iranian Journal of Pharmaceutical Research, 12(4), 695-703.

[Synthesis and in vitro characterization of some benzothiazole-and benzofuranone-derivatives for quantification of fibrillar aggregates and inhibition of amyloid-mediated peroxidase activity](#)

SA Ghadami, Z Hossein-pour, R Khodarahmi, S Ghobadi, H Adibi

Medicinal Chemistry Research, 22(1), 115-126.

[Synthesis and In Vitro Anti-Leishmanial Evaluation of 1-\(5-Halo-2-Thienyl\)-2-\[5-\(5-Nitroheteroaryl\)\]-1, 3,](#)

[4-Thiadiazol-2-Ylthio\) Ethanone Derivatives](#)

H Adibi, A Foroumadi, O Heidari, A Aliabadi, SK Ardestani

Journal of Reports in Pharmaceutical Sciences, 1(2), 81-86.

[Evaluation of In Vitro Antimicrobial and Antioxidant Activities of 4-Substituted-1, 2, 4-Triazolidine-3, 5-Dione Derivatives](#)

H Adibi, R Abiri, S Mallakpour, MA Zolfigol, MB Majnooni

Journal of Reports in Pharmaceutical Sciences, 1(2), 87-93.

[Synthesis and Characterization of Hydrazone-Hydrazone Derivatives of 3-Pyridine Carboxylic Acid as Antimycobacterial Tuberculosis Agents](#)

H Adibi, S Zaker, H Monkaresi

Journal of Reports in Pharmaceutical Sciences, 1(1), 60-66.

[Molecular aspects on the interaction of isatin-3-isonicotinylhydrazone to deoxyribonucleic acid: model for intercalative drug-DNA binding](#)

S Kashanian, MM Khodaei, P Pakravan, H Adibi

Molecular Biology Reports, 39(4), 3853-3861.

[Synthesis, in vitro antimicrobial and antioxidant activities of chalcone and flavone derivatives holding allylic substitutions](#)

H Adibi, JS Mojarrad, H Asgharloo, G Zarrini

Medicinal Chemistry Research, 20(8), 1318-1324.

[A New and Efficient Procedure for Synthesis of 1, 5-Benzodiazepine Derivatives in Solution and under Solvent-Free Conditions](#)

K Gholivand, K Zare, H Jafari, H Adibi

Chinese Journal of Chemistry, 29(6), 1290-1293.

[Simple and new method for the synthesis of \$\beta\$ -acetamido ketones on a solid surface](#)

K Gholivand, H Jafari, H Adibi

Synthetic Communications, 41(12), 1786-1793.

[Catecholthioether derivatives: preliminary study of in-vitro antimicrobial and antioxidant activities](#)

H Adibi, A Rashidi, MM Khodaei, A Alizadeh, MB Majnooni, N Pakravan

Chemical and Pharmaceutical Bulletin, 59(9), 1149-1152.

[Synthesis, characterization, and antimicrobial evaluation of sulfonamides containing N-acyl moieties](#)

[catalyzed by bismuth \(III\) salts under both solvent and solvent-free conditions](#)

H Adibi, AR Massah, MB Majnooni, S Shahidi, M Afshar, R Abiri

Synthetic Communications, 40(18), 2753-2766.

[Synthesis, characterization, and in vitro antimicrobial evaluation of hydrazone and bishydrazone derivatives of isatin](#)

H Adibi, MM Khodaei, P Pakravan, R Abiri

Pharmaceutical Chemistry Journal 44 (4), 219-227.

[Post-derivatization procedure for determination of hippuric acid after extraction by an automated micro solid phase extraction system and monitoring by gas chromatography](#)

F Ahmadi, H Asgharloo, S Sadeghi, V Gharehbagh-Aghababa, H Adibi

Journal of Chromatography B, 877(27), 2945-2951.

[Study of Antimicrobial Effects of Trigonella Foenum hydro-alcoholic Extract on Different Bacterial Strains](#)

R Abiri, MB Majnooni, P Malek Khattabi, H Adibi

Medical Laboratory Journal 3(1), 31-35.

[Iron \(III\) trifluoroacetate: chemoselective and recyclable Lewis acid catalyst for diacetylation of aldehydes, thioacetalization and transthoacetalization of carbonyl compounds and aerobic coupling of thiols](#)

H Adibi, HA Samimi, N Iranpoor

Chinese Journal of Chemistry, 26(11), 2086-2092.

[Metal-free oxidative dehydrogenation of imidazolines and pyrazolines using silica-adsorbed peroxymonosulfate under aprotic and almost neutral conditions](#)

H Adibi, AR Hajipour, H Jafari

Chemistry of Heterocyclic Compounds, 44(7), 802-806.

[Synthesis, in vitro antibacterial and carbonic anhydrase II inhibitory activities of N-acylsulfonamides using silica sulfuric acid as an efficient catalyst under both solvent-free and heterogeneous conditions](#)

AR Massah, H Adibi, R Khodarahmi, R Abiri, MB Majnooni, S Shahidi

Bioorganic & Medicinal Chemistry, 16(10), 5465-5472.

[Iron \(III\) trifluoroacetate and trifluoromethanesulfonate: Recyclable Lewis acid catalysts for one-pot synthesis of 3, 4-dihydropyrimidinones or their sulfur analogues and 1, 4-dihydropyridines via solvent-free Biginelli and Hantzsch condensation protocols](#)

H Adibi, HA Samimi, M Beygzadeh

Catalysis Communications 8 (12), 2119-2124.

[Facile protection of carbonyl compounds as oxathiolanes and transoxathioacetalization of oxyacetals promoted by iron \(III\) trifluoroacetate or trifluoromethanesulfonate as chemoselective and recyclable catalysts](#)

H Adibi, H Jafari

Journal of Fluorine Chemistry, 128(6), 679-682.

[A convenient and efficient protocol for oxidative aromatization of Hantzsch 1, 4-dihydropyridines using benzyltriphenylphosphonium peroxymonosulfate under almost neutral reaction conditions](#)

H Adibi, AR Hajipour

Bioorganic & Medicinal Chemistry Letters, 17(4), 1008-1012.

[A convenient and regioselective oxidative bromination of electron-rich aromatic rings using potassium bromide and benzyltriphenylphosphonium peroxymonosulfate under nearly neutral reaction conditions](#)

H Adibi, AR Hajipour, M Hashemi

Tetrahedron Letters, 48(7), 1255-1259.

[Highly selective iodination of phenols using potassium iodide and benzyltriphenylphosphonium peroxymonosulfate](#)

AR Hajipour, H Adibi

Journal of Chemical Research, 2004(4), 294-295.

[Wet silica-supported permanganate for the cleavage of semicarbazones and phenylhydrazones under solvent-free conditions](#)

AR Hajipour, H Adibi, AE Ruoho

The Journal of Organic Chemistry, 68(11), 4553-4555.

[Alumina-supported potassium permanganate: A mild, inexpensive and efficient reagent for solvent-free deprotection of thioacetals](#)

A Hajipour, S Mallakpour, I Mohammadpour-Baltork, H Adibi, A Ruoho

Sulfur Letters, 26(2), 77-81.

[Microwave assisted conversion of oximes and semicarbazones to carbonyl compounds using benzyltriphenylphosphonium peroxymonosulfate](#)

AR Hajipour, SE Mallakpour, I Mohammadpour-Baltork, H Adibi

Monatshefte für Chemie/Chemical Monthly, 134(1), 45-49

[A convenient method for dethioacetalization of 1, 3-dithiolanes and 1, 3-dithianes using benzyltriphenylphosphonium peroxymonosulfate in aprotic solvent](#)

AR Hajipour, SE Mallakpour, I Mohammadpour-Baltork, H Adibi

Phosphorus, Sulfur, and Silicon and the Related Elements, 177(12), 2805-2811.

[Selective and efficient oxidation of sulfides and thiols with benzyltriphenylphosphonium peroxymonosulfate in aprotic solvent](#)

AR Hajipour, SE Mallakpour, H Adibi

The Journal of Organic Chemistry, 67(24), 8666-8668.

[A selective solid state oxidation of sulfides and thiols with benzyltriphenylphosphonium peroxymonosulfate](#)

AR Hajipour, SE Mallakpour, H Adibi

Phosphorus, Sulfur, and Silicon and the Related Elements, 177(10), 2277-2284.

[Solid State Deprotection of Acetals and Thioacetals Using Benzyltriphenylphosphonium Peroxymonosulfate](#)

AR Hajipour, SE Mallakpour, I Mohammadpour-Baltork, H Adibi

Molecules, 7(8), 674-680.

[Oxidation of urazoles to triazolinediones under solvent-free conditions using permanganate and alumina-supported permanganate](#)

AR Hajipour, SE Mallakpour, MA Zolfigol, H Adibi

INDIAN JOURNAL OF CHEMISTRY SECTION B, 41(11), 2425-2427.

[A facile and selective method for oxidation of sulfides and thiols to their corresponding sulfoxides and disulfides with alumina-supported potassium permanganate under solvent-free conditions](#)

A Hajipour, S Mallakpour, H Adibi

Sulfur Letters, 25(4), 155-160.

[CONVERSION OF OXIMES, PHENYLHYDRAZONES, 2, 4-DINITROPHENYLHYDRAZONES, AND SEMICARBAZONES TO CORRESPONDING CARBONYL COMPOUNDS WITH BENZYLTRIPHENYLPHOSPHONIUM PEROXYMONOSULFATE \(BnPh₃P⁺ HSO₅⁻\)\(BTPPMS\) IN THE PRESENCE OF BISMUTH CHLORIDE UNDER NON-AQUEOUS CONDITIONS](#)

AR Hajipour, SE Mallakpour, IM Baltork, H Adibi

Synthetic Communications, 31(22), 3401-3409.

[Oxidation of urazoles to triazolinediones with benzyltriphenylphosphonium peroxymonosulfate under solvent-free conditions](#)

AR Hajipour, SE Mallakpour, H Adibi

Chemistry Letters, 164-165.

[Oxidative deprotection of trimethylsilyl ethers, tetrahydropyranyl ethers, and ethylene acetals with](#)

[benzyltriphenylphosphonium peroxymonosulfate under microwave irradiation](#)

AR Hajipour, SE Mallakpour, IM Baltork, H Adibi

Synthetic Communications, 31(11), 1625-1631.

[Oxidative Deprotection Of Trimethylsilyl and Tetrahydropyranyl Ethers and Ethylene Acetals With Benzyltriphenylphosphonium Peroxomonosulfate in the Presence of Bismuth Chloride Under Non-Aqueous Conditions](#)

AR Hajipour, SE Mallakpour, I Mohammadpoor-Baltork, H Adibi

Phosphorus, Sulfur, and Silicon and the Related Elements, 165(1), 155-163.

[Oxidation of Alcohols with Benzyltriphenylphosphonium Peroxymonosulfate Under Non-Aqueous Conditions](#)

AR Hajipour, SE Mallakpour, H Adibi

Phosphorus, Sulfur, and Silicon and the Related Elements, 167(1), 71-79.

[Iron \(III\) Trifluoroacetate as an Efficient Catalyst for Solvolytic and Nonsolvolytic Nucleophilic Ring Opening of Epoxides.](#)

N Iranpoor, H Adibi

Bulletin of the Chemical Society of Japan, 73(3), 675-680.

[Benzyltriphenylphosphonium Peroxymonosulfate. As a Novel and Efficient Reagent for Oxidation of Alcohols under Solvent-Free Conditions.](#)

AR Hajipour, SE Mallakpour, H Adibi

Chemistry Letters, 460-461

XI- Papers Presented at National and International Meetings, Conferences and Congresses

1. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Oxidation of Alcohols with Benzyltriphenylphosphonium Peroxymonosulfate under Solvent-Free Conditions" **Proceedings of 8th Iranian Seminar of Organic Chemistry, Kashan, Iran, May 16-18, 2000.**
2. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Oxidation of Alcohols with Benzyltriphenylphosphonium Peroxymonosulfate under Non-Aqueous Conditions" **Proceedings of 8th Iranian Seminar of Organic Chemistry, Kashan, Iran, May 16-18, 2000.**

3. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Oxidative Deprotection of Trimethylsilyl and Tetrahydropyranyl Ethers, with Benzyltriphenylphosphonium chlorate under Non-Aqueous Conditions" **Proceedings of 8th Iranian Seminar of Organic Chemistry, Kashan, Iran, May 16-18, 2000.**
4. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Regeneration of Carbonyl Compounds from Oximes, Phenylhydrazones, 2,4-Dinitrophenylhydrazones and Semicarbazones with Benzyltriphenylphosphonium Peroxymonosulfate" **Proceedings of 8th Iranian Seminar of Organic Chemistry, Kashan, Iran, May 16-18, 2000.**
5. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Efficient Method for Conversion of Oximes and Semicarbazones to Carbonyl Compounds under Microwave Irradiation" **Proceedings of 9th Iranian Seminar of Organic Chemistry, Tehran, Iran, October 16-18, 2001.**
6. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Oxidative Deprotection of Trimethylsilyl and Tetrahydropyranyl Ethers and Ethylene Acetals under Microwave Irradiation" **Proceedings of 9th Iranian Seminar of Organic Chemistry, Tehran, Iran, October 16-18, 2001.**
7. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Oxidative Cleavage of Semicarbazones and Phenylhydrazones Using Wet Alumina-Supported Permanganate under Solventless Conditions" **Proceedings of 9th Iranian Seminar of Organic Chemistry, Tehran, Iran, October 16-18, 2001.**
8. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Oxidation of Sulfides and Thiols to the Corresponding Sulfoxides and Disulfides in the Absence of Solvent" **Proceedings of 9th Iranian Seminar of Organic Chemistry, Tehran, Iran, October 16-18, 2001.**
9. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Selective and Efficient Oxidation of Sulfides and Thiols under Solvent-Free Conditions Using Alumina-Supported Permanganate" **Proceedings of 9th Iranian Seminar of Organic Chemistry, Tehran, Iran, October 16-18, 2001.**
10. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Oxidation of Urazoles Using Benzyltriphenylphosphonium Peroxymonosulfate under Solvent-Free Conditions" **Proceedings of 9th Iranian Seminar of Organic Chemistry, Tehran, Iran, October 16-18, 2001.**
11. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Oxidation of Urazoles to Triazolinediones under Solvent-free Conditions Using Permanganate and Alumina-Supported Permanganate"

Proceedings of 9th Iranian Seminar of Organic Chemistry, Tehran, Iran, October 16-18, 2001.

12. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Highly Regioselective Iodination of Activated Aromatic Compounds Using Potassium Iodide and Benzyltriphenylphosphonium Peroxymonosulfate" **Proceedings of 10th Iranian Seminar of Organic Chemistry, Guilan, Iran, September 10-12, 2002.**
13. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Oxidation of Sulfides and Thiols to Sulfoxides and Disulfides in Aprotic Solvent" **Proceedings of 10th Iranian Seminar of Organic Chemistry, Guilan, Iran, September 10-12, 2002.**
14. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Solid State Deprotection of Thioacetals Using Benzyltriphenylphosphonium Peroxymonosulfate and Aluminum Chloride" **Proceedings of 10th Iranian Seminar of Organic Chemistry, Guilan, Iran, September 10-12, 2002.**
15. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "Alumina-Supported Potassium Permanganate: As a Mild, Inexpensive and Efficient Reagent for Solid Phase Deprotection of Thioacetals" **Proceedings of 10th Iranian Seminar of Organic Chemistry, Guilan, Iran, September 10-12, 2002.**
16. A. R. Hajipour, S. Mallakpour and **H. Adibi**, "A Convenient Method for Dethioacetalization of 1,3-Dithiolanes and 1,3-Dithianes in Aprotic Solvent" **Proceedings of 10th Iranian Seminar of Organic Chemistry, Guilan, Iran, September 10-12, 2002.**
17. **H. Adibi** and A. R. Hajipour, "A convenient and regioselective oxidative bromination of phenols using KBr/PhCH₂Ph₃PHSO₅ reagent in CH₃CN" **Proceedings of 12th Iranian Seminar of Organic Chemistry, Ahvaz, Iran, March 7-9, 2006.**
18. **H. Adibi** and Nasser Iranpoor, "Esterification of alcohols with acetic anhydride catalyzed by Fe(CF₃CO₂)₃" **Proceedings of 13th Iranian Seminar of Organic Chemistry, Hamadan, Iran, September 7-9, 2006.**
19. **H. Adibi** and Nasser Iranpoor, "Catalytic coupling of thiols with NaI/Fe(CF₃CO₂)₃ under air atmosphere in acetonitrile" **Proceedings of 13th Iranian Seminar of Organic Chemistry, Hamadan, Iran, September 7-9, 2006.**
20. **H. Adibi** and M. Hashemi, "Scale-up synthesis of nicotinic acid (vitamin B₃) by direct hydrolysis of 3-cyanopyridine in high purity and yield" **Proceedings of 13th Iranian Seminar of Organic Chemistry, Hamadan, Iran, September 7-9, 2006.**

21. **H. Adibi** and M. Hashemi, "Scale-up synthesis of nicotinic acid (vitamin B₃) by direct hydrolysis of 3-cyanopyridine in high purity and yield" **Proceedings of 10th Iranian Pharmaceutical Sciences Conference, Tehran, Iran, August 21-24, 2006.**
22. H. Adibi, A. R. Hajipour and M. Beygzadeh, "Metal-Free Oxidative Dehydrogenation of Imidazolines Using Peroxymonosulfate Adsorbed into Silica" **Proceedings of 12th Asian Chemical Congress, Kuala Lumpur, Malaysia, August 23-25, 2007.**
23. H. Adibi, B. Khedmati and S. Mirfakhraee, "An Improved Protocol for Synthesis of Quinoxaline Derivatives under Non-Aqueous Conditions in the Presence of Heteropoly acid" **Proceedings of 12th Asian Chemical Congress, Kuala Lumpur, Malaysia, August 23-25, 2007.**
24. **H. Adibi** and A. R. Hajipour, "A Convenient and Efficient Protocol for Oxidative Aromatization of Hantzsch 1,4-Dihydropyridines Using Benzyltriphenylphosphonium Peroxymonosulfate under Almost Neutral Reaction Conditions" **Proceedings of International Conference on Organic Chemistry, Erzurum, Turkey, June 5-9, 2007.**
25. **H. Adibi** and H. A. Samimi, "Iron(III) Trifluoroacetate and Trifluoromethanesulfonate: Novel and Recyclable Lewis Acid Catalysts for One-Pot Synthesis of 3,4-Dihydropyrimidinones or Their Sulfur Analogues and 1,4-Dihydropyridines via Solvent-Free Biginelli and Hantzsch Condensation Protocols" **Proceedings of International Conference on Organic Chemistry, Erzurum, Turkey, June 5-9, 2007.**
26. **H. Adibi** and H. Bagherzadeh, "An Improved Protocol for Synthesis of Benzodiazepines Using Silica-Supported Iron(III) Trifluoroacetate" **Abstract of The 13th Seminar of Iranian Pharmacy Students, Tabriz, Iran, October, 23-26, 2007.**
27. **H. Adibi**, Z. Hamedi and N. Jamshidi, "A Convenient and Efficient Protocol for Synthesis and Oxidative Aromatization of Hantzsch 1,4-Dihydropyridines Using Hydrogen Peroxide and Heteropoly Acid" **Abstract of The 13th Seminar of Iranian Pharmacy Students, Tabriz, Iran, October, 23-26, 2007.**
28. **H. Adibi** and N. Jamshidi, "A Practical and Green Approach Towards One-Pot Synthesis of 1,4-Dihydropyridines via Solvent-Free Hantzsch Condensation Using Titanium-Squarate Complex as a Novel and Recyclable Catalyst" **Abstract of The 13th Seminar of Iranian Pharmacy Students, Tabriz, Iran, October, 23-26, 2007.**
29. **H. Adibi** and S. Mirabdali, "Titanium-Squarate Complex: Novel and Recyclable Lewis Acid Catalyst for One-Pot Synthesis of 3,4-Dihydropyrimidinones or Their Sulfur Analogues via

Solvent-Free Biginelli Condensation Protocol” **Abstract of The 13th Seminar of Iranian Pharmacy Students, Tabriz, Iran, October, 23-26, 2007.**

30. **H. Adibi** and M. R. Saberhari, “A Green Approach Towards Synthesis of Coumarins via Pechmann Condensation Protocol under Heterogeneous Conditions” **Abstract of The 13th Seminar of Iranian Pharmacy Students, Tabriz, Iran, October, 23-26, 2007.**
31. **H. Adibi** and J. Ahmadi, “Highly Efficient and Eco-Friendly Synthesis of Benzimidazoles Using Heteropoly Acid in Water” **Abstract of The 13th Seminar of Iranian Pharmacy Students, Tabriz, Iran, October, 23-26, 2007.**
32. **H. Adibi**, B. Khedmati and S. Mirfakhraee, “An Improved Protocol for Synthesis of Quinoxaline Derivatives under Non-Aqueous Conditions in the Presence of Heteropoly Acid” **Abstract of The 13th Seminar of Iranian Pharmacy Students, Tabriz, Iran, October, 23-26, 2007.**
33. **H. Adibi**, and Z. Hamed, “A Convenient and Efficient Protocol for Synthesis and Oxidative Aromatization of Hantzsch 1,4-Dihydropyridines Using Hydrogen Peroxide and Heteropoly Acid” **Abstract of The 14th Iranian Seminar of Organic Chemistry, Zabol, Iran, March, 4-6, 2008.**
34. **H. Adibi**, and M. R. Saberhari, “A Green Approach Towards Synthesis of Coumarins via Pechmann Condensation Protocol Using Iron(III) Trifluoroacetate and Silica” **Abstract of The 14th Iranian Seminar of Organic Chemistry, Zabol, Iran, March, 4-6, 2008.**
35. Massah, A R, **Adibi, H.** Khodarahmi, R, Majnooni, M B, Abiri, R, Shahidi, S, Asadi, B, Afshar, M, Mehrabi, M, Zolfigol, M A, Javaherian Naghash, H, Malek Khatabi, P, “New Methodologies For Synthesis, Characterization And In Vitro Antimicrobial And Carbonic Anhydrase II Inhibitory Activities Of *N*-Acylsulfonamides” **Abstract of The 15th Iranian Seminar of Organic Chemistry, Kermanshah, Iran, August 27-29, 2008.**
36. **H. Adibi**, H. A. Samimi, H. Jafari, “**IRON(III) TRIFLUOROACETATE: CHEMOSELECTIVE AND RECYCLABLE LEWIS ACID CATALYST FOR THIOACETALIZATION AND TRANSTHIOACETALIZATION OF CARBONYL COMPOUNDS**” **Abstract of 2nd EuChemS Chemistry Congress, Torino, Italy, September 16-20, 2008.**
36. M. M. Khodaei, **H. Adibi**, P. Pakravan, “The Synthesis of Indolo-[2,3-*b*]quinoxaline Derivatives As DNA Intercalators” **Abstract of The 15th Iranian Seminar of Organic Chemistry, Kermanshah, Iran, August 27-29, 2008.**

37. **H. Adibi**, Y. Gorgin-Karaji, H. Asgharlou, “**METAL-FREE FRIEDEL-CRAFTS ACYLATION OF AROMATIC COMPOUNDS AT ROOM TEMPERATURE ETHYLENEDIAMMONIUM FORMATE IONIC LIQUID**” Abstract of 2nd Euchems Chemistry Congress, Torino, Italy, September 16-20, 2008.

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My research experience includes:

- 1- Synthesis of Organic Compounds Under Solvent-Free/Ionic Liquids Conditions.
- 2- Synthesis of Cytotoxic and Anti-Angiogenesis Agents
- 3- Synthesis of Metal-Based Drugs (Biometals, and Metal Chelators)
- 4- Synthesis of Biologically-Active Compounds (Antimicrobial, Antioxidant, Antileishmania, Hypoglycemic, Antiproliferative, Anti-Mycobacterium Tuberculosis, Hypolipidemic Activity, Neuroprotective)
- 5- Synthesis of DNA Intercalators and Nanoparticles for Drug Delivery
- 6- Synthesis of Enzyme Inhibition Agents (Carbonic Anhydrase, Aldose Reductase, Tyrosinase, Aldose Reductase, Metallo-Beta-Lactamase, Purpule Acid Phosphatase, Tyrosine Kinase)
- 7- Synthesis of Antioxidants
- 8- Inhibitors of beta-amyloid aggregation
- 9- Synthesis of caspase activators
- 10- Experiences in molecular modeling softwares related to drug design (Arguslab, Molegro molecular viewer, Ligandscout, chemoffice).
- 11- Experience in NMR spectroscopy and structure characterization