

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 (Academic 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: 14

Citations documented in Scopus: 722

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)

Current Pharm. D. Students

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)

Current PhD and MSc. Students

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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:	Cited by:	Year
<p>1. <u>Inhibition of guinea pig aldehyde oxidase activity by different flavonoid compounds: An in vitro study</u></p> <p>Maryam Siah, Mohammad Hosein Farzaei, Mohammad Reza Ashrafi-Kooshk, Hadi Adibi, Seyed Shahriar Arab, Mohammad Reza Rashidi, Reza Khodarahmi</p> <p>Bioorganic chemistry, 2016, Volume 64, Pages 74-84</p>	-	2016
<p>2. <u>An insight on reducing the particle size of poorly-water soluble curcumin via LASP in microchannels</u></p> <p>P Valeh-e-Sheyda, M Rahimi, H Adibi, Z Razmjou, H Ghasempour</p> <p>Chemical Engineering and Processing: Process Intensification, 91, 78-88.</p>		2015
<p>3. <u>Cytotoxic effects of palladium complexes containing squaric ligands and sulfosuccinic acid on cancer cell lines</u></p> <p>H Adibi, N Zandieh, K Mansouri</p> <p>Journal of Kermanshah University of Medical Sciences, 18(11), 619-630.</p>	-	2015
<p>4. <u>Effect of microchannel confluence angles on size reduction of curcumin nano-suspension via liquid anti-solvent precipitation process</u></p>	<u>2</u>	2015

P Valeh-e-Sheyda, M Rahimi, A Parsamoghadam, H Adibi

Journal of the Taiwan Institute of Chemical Engineers, 46, 65-73.

5. [Active targeted nanoparticles: Preparation, Physicochemical characterization and in vitro cytotoxicity effect](#) - 2015

Sh Heidarian, K Derakhshandeh, H Adibi, L Hosseinzadeh

Research in Pharmaceutical Sciences, 10(3), 241-251.

6. [LASP and Villiermaux/Dushman protocols for mixing performance in microchannels: Effect of geometry on micromixing characterization and size reduction](#) 2 2014

M Rahimi, P Valeh-e-Sheyda, MA Parsamoghadam, N Azimi, H Adibi

Chemical Engineering and Processing: Process Intensification, 85, 178-186.

7. [The effect of washing and soaking on decreasing heavy metals \(Pb, Cd and As\) in the rice distributed in Kermanshah in 2011](#) - 2014

H Adibi, M Mazhari, SK Bidoki, M Mahmoodi

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

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

A Lari, I Karimi, H Adibi, A Aliabadi, L Firoozpour, A Foroumadi 1 2013

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

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

S Maghsoudi, H Adibi, M Hamzeh, MR Ashrafi-Kooshk, M Rezaei-Tavirani 2 2013

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

10. [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](#) 2 2013

H Adibi, L Hosseinzadeh, S Farhadi, F Ahmadi

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

11. [Synthesis of 7-Substituted Fluoroquinolone Derivatives Containing Triazolidine Dione Moiety and In Vitro Evaluation of Their Cytotoxic Effects](#) 1 2013

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

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

12. [Synthesis and investigation of antioxidant activities of 2-benzylidene-3-coumaranones](#)
 H Adibi, A Foroumadi, R Khodarahmi, K Najafi, M Rezaei-Tavirani - 2013
 Journal of Paramedical Sciences 4(2), 76-81.
13. [Synthesis of 4-Aryl-4H-Chromene Derivatives with Boric Acid: Evaluation of Their in vitro Anti-Angiogenesis Effects and Possible Mechanism of Action](#) 1 2013
 H Adibi, R Khodarahmi, K Mansouri, M Khaleghi, S Maghsoudi
 Pharmaceutical Sciences 19(1), 23-30,
14. [Synthesis, and In-vitro Cytotoxicity Studies of a Series of Triazene Derivatives on Human Cancer Cell Lines](#) 1 2013
 H Adibi, MB Majnooni, A Mostafaie, K Mansouri, M Mohammadi
 Iranian Journal of Pharmaceutical Research, 12(4), 695-703.
15. [Synthesis and in vitro characterization of some benzothiazole-and benzofuranone-derivatives for quantification of fibrillar aggregates and inhibition of amyloid-mediated peroxidase activity](#) 2 2013
 SA Ghadami, Z Hossein-pour, R Khodarahmi, S Ghobadi, H Adibi
 Medicinal Chemistry Research, 22(1), 115-126.
16. [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](#) - 2012
 H Adibi, A Foroumadi, O Heidari, A Aliabadi, SK Ardestani
 Journal of Reports in Pharmaceutical Sciences, 1(2), 81-86.
17. [Evaluation of In Vitro Antimicrobial and Antioxidant Activities of 4-Substituted-1, 2, 4-Triazolidine-3, 5-Dione Derivatives](#) - 2012
 H Adibi, R Abiri, S Mallakpour, MA Zolfigol, MB Majnooni
 Journal of Reports in Pharmaceutical Sciences, 1(2), 87-93.
18. [Synthesis and Characterization of Hydrazone-Hydrazone Derivatives of 3-Pyridine Carboxylic Acid as Antimycobacterial Tuberculosis Agents](#) 2 2012
 H Adibi, S Zaker, H Monkaresi
 Journal of Reports in Pharmaceutical Sciences, 1(1), 60-66.
19. [Molecular aspects on the interaction of isatin-3-isonicotinylhydrazone to deoxyribonucleic](#)

- [acid: model for intercalative drug-DNA binding](#) **7** 2012
S Kashanian, MM Khodaei, P Pakravan, H Adibi
Molecular Biology Reports, 39(4), 3853-3861.
20. [Synthesis, in vitro antimicrobial and antioxidant activities of chalcone and flavone derivatives holding allylic substitutions](#) **8** 2011
H Adibi, JS Mojarrad, H Asgharloo, G Zarrini
Medicinal Chemistry Research, 20(8), 1318-1324.
21. [A New and Efficient Procedure for Synthesis of 1, 5-Benzodiazepine Derivatives in Solution and under Solvent-Free Conditions](#) **3** 2011
K Gholivand, K Zare, H Jafari, H Adibi
Chinese Journal of Chemistry, 29(6), 1290-1293.
22. [Simple and new method for the synthesis of \$\beta\$ -acetamido ketones on a solid surface](#) **10** 2011
K Gholivand, H Jafari, H Adibi
Synthetic Communications, 41(12), 1786-1793.
23. [Catecholthioether derivatives: preliminary study of in-vitro antimicrobial and antioxidant activities](#) **7** 2011
H Adibi, A Rashidi, MM Khodaei, A Alizadeh, MB Majnooni, N Pakravan
Chemical and Pharmaceutical Bulletin, 59(9), 1149-1152.
24. [Synthesis, characterization, and antimicrobial evaluation of sulfonamides containing N-acyl moieties catalyzed by bismuth \(III\) salts under both solvent and solvent-free conditions](#) **4** 2010
H Adibi, AR Massah, MB Majnooni, S Shahidi, M Afshar, R Abiri
Synthetic Communications, 40(18), 2753-2766.
25. [Synthesis, characterization, and in vitro antimicrobial evaluation of hydrazone and bishydrazone derivatives of isatin](#) **14** 2010
H Adibi, MM Khodaei, P Pakravan, R Abiri
Pharmaceutical Chemistry Journal 44 (4), 219-227.
26. [Post-derivatization procedure for determination of hippuric acid after extraction by an automated micro solid phase extraction system and monitoring by gas chromatography](#) **16** 2009

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

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

27. [Study of Antimicrobial Effects of Trigonella Foenum hydro-alcoholic Extract on Different Bacterial Strains](#) - 2009

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

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

28. [Iron \(III\) trifluoroacetate: chemoselective and recyclable Lewis acid catalyst for diacetylation of aldehydes, thioacetalization and transthioacetalization of carbonyl compounds and aerobic coupling of thiols](#) 9 2008

H Adibi, HA Samimi, N Iranpoor

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

29. [Metal-free oxidative dehydrogenation of imidazolines and pyrazolines using silica-adsorbed peroxymonosulfate under aprotic and almost neutral conditions](#) 5 2008

H Adibi, AR Hajipour, H Jafari

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

30. [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](#) 26 2008

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

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

31. [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](#) 85 2007

H Adibi, HA Samimi, M Beygzadeh

Catalysis Communications 8 (12), 2119-2124.

32. [Facile protection of carbonyl compounds as oxathiolanes and transoxathioacetalization of oxycetals promoted by iron \(III\) trifluoroacetate or trifluoromethanesulfonate as chemoselective and recyclable catalysts](#) 13 2007

H Adibi, H Jafari

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

33. [A convenient and efficient protocol for oxidative aromatization of Hantzsch 1, 4-dihydropyridines using benzyltriphenylphosphonium peroxymonosulfate under almost neutral reaction conditions](#) 27 2007

H Adibi, AR Hajipour

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

34. [A convenient and regioselective oxidative bromination of electron-rich aromatic rings using potassium bromide and benzyltriphenylphosphonium peroxymonosulfate under nearly neutral reaction conditions](#) 34 2007

H Adibi, AR Hajipour, M Hashemi

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

35. [Highly selective iodination of phenols using potassium iodide and benzyltriphenylphosphonium peroxymonosulfate](#) 3 2004

AR Hajipour, H Adibi

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

36. [Wet silica-supported permanganate for the cleavage of semicarbazones and phenylhydrazones under solvent-free conditions](#) 56 2003

AR Hajipour, H Adibi, AE Ruoho

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

37. [Alumina-supported potassium permanganate: A mild, inexpensive and efficient reagent for solvent-free deprotection of thioacetals](#) 3 2003

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

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

38. [Microwave assisted conversion of oximes and semicarbazones to carbonyl compounds using benzyltriphenylphosphonium peroxymonosulfate](#) 12 2003

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

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

39. [A convenient method for dethioacetalization of 1, 3-dithiolanes and 1, 3-dithianes using benzyltriphenylphosphonium peroxymonosulfate in aprotic solvent](#) 9 2002

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

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

40. [Selective and efficient oxidation of sulfides and thiols with benzyltriphenylphosphonium peroxymonosulfate in aprotic solvent](#) 70 2002

AR Hajipour, SE Mallakpour, H Adibi

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

41. [A selective solid state oxidation of sulfides and thiols with benzyltriphenylphosphonium peroxymonosulfate](#) 10 2002

AR Hajipour, SE Mallakpour, H Adibi

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

42. [Solid State Deprotection of Acetals and Thioacetals Using Benzyltriphenylphosphonium Peroxymonosulfate](#) 19 2002

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

Molecules, 7(8), 674-680.

43. [Oxidation of urazoles to triazolinediones under solvent-free conditions using permanganate and alumina-supported permanganate](#) 10 2002

AR Hajipour, SE Mallakpour, MA Zolfigol, H Adibi

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

44. [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](#) 19 2002

A Hajipour, S Mallakpour, H Adibi

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

45. [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](#) - 2001

AR Hajipour, SE Mallakpour, IM Baltork, H Adibi

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

46. [Oxidation of urazoles to triazolinediones with benzyltriphenylphosphonium peroxymonosulfate under solvent-free conditions](#) **16** 2001

AR Hajipour, SE Mallakpour, H Adibi

Chemistry Letters, 164-165.

47. [Oxidative deprotection of trimethylsilyl ethers, tetrahydropyranyl ethers, and ethylene acetals with benzyltriphenylphosphonium peroxymonosulfate under microwave irradiation](#) **39** 2001

AR Hajipour, SE Mallakpour, IM Baltork, H Adibi

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

48. [Oxidative Deprotection Of Trimethylsilyl and Tetrahydropyranyl Ethers and Ethylene Acetals With Benzyltriphenylphosphonium Peroxomonosulfate in the Presence of Bismuth Chloride Under Non-Aqueous Conditions](#) **8** 2000

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

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

49. [Oxidation of Alcohols with Benzyltriphenylphosphonium Peroxymonosulfate Under Non-Aqueous Conditions](#) **8** 2000

AR Hajipour, SE Mallakpour, H Adibi

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

50. [Iron \(III\) Trifluoroacetate as an Efficient Catalyst for Solvolytic and Nonsolvolytic Nucleophilic Ring Opening of Epoxides.](#) **58** 2000

N Iranpoor, H Adibi

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

51. [Benzyltriphenylphosphonium Peroxymonosulfate. As a Novel and Efficient Reagent for Oxidation of Alcohols under Solvent-Free Conditions.](#) **61** 2000

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.**
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My research experience includes:

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- 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