



دانشگاه کاشان

UNIVERSITY OF KASHAN

CURRICULUM VITAE

ABDOLRASOUL HAGHIR  
EBRAHIMABADI

# CURRICULUM VITAE



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## Education and Qualifications

1. Pharm.D. in Pharmacy from Faculty of Pharmacy and Pharmaceutical Sciences, Shaheed Beheshti University of Medical Sciences, Tehran, I. R. Iran (1990-1996).
2. Ph.D. in Medicinal Chemistry from Faculty of Pharmacy and Pharmaceutical Sciences, Isfahan University of Medical Sciences, Isfahan, I. R. Iran (1996-2002).

3. Six Months Postdoc. Fellow in Strathclyde Faculty of Pharmacy and Pharmaceutical Sciences, Strathclyde University, Glasgow, Scotland, UK (2002).

### **Employment to Date**

1. Associate Professor of Medicinal Chemistry, University of Kashan, Kashan, I. R Iran (2007-present).
2. Assistant Professor of Medicinal Chemistry, Kerman University of Medical Sciences and Health Services, Kerman, I. R. Iran (1996-2007).
3. Head of Essential Oils Research Institute, University of Kashan, Kashan, I. R Iran (2010-present).
4. Head of Medicinal Chemistry Department, Kerman University of Medical Sciences and Health Services, Kerman, I. R. Iran (2003-2007).

### **Research Activities and Experiences**

#### **1) Dissertations**

1. Pharm. D. Thesis: Synthesis of Roxithromycin, an Etheroxime Derivative of Erythromycin
2. Ph. D. Thesis: Synthesis and Pharmacological Studies of Some Derivatives of N<sub>1</sub>-Methyl-2-(4-x-benzenesulfonyl)-pyrrolo[2,3-d]imidazole-5-carboxylate as Non-Steroidal Anti-Inflammatory Drugs (NSAIDs)

#### **2) Research Activities**

1. Design and Synthesis of Hybrid Analogs of Valproic Acid with Phenytoin, Phenobarbital and Carbamazepine as Anticonvulsant Agents
2. Design and Synthesis of Some Novel Distamycin and Netropsin (Lexitropsins) as DNA Minor Groove Binders with Potential Antimicrobial and Anticancer Activity
3. Design and Synthesis of Novel Celecoxib Derivatives as Selective Cyclooxygenase 2 Inhibitors
4. Design and Synthesis of Novel Arylacylsulfanamides Derivatives with Potential Anticancer Activity
5. Design, Synthesis and Antiepileptic Evaluation of Some Novel Arylsemicarbazone Derivatives
6. Isolation, Identification and Structure Elucidation of Biologically Active Plant Natural Products

### **Laboratory Skills**

1. Synthesis and Characterization of Organic Compounds
2. Separation and Identification of Biologically Active Natural Products

### **Communication Skills**

Speaking and Writing in English

## Areas of Interest

1. Separation and Structure Elucidation of Biologically Active Natural Products
2. Molecular Modeling and Computer-Aided Drug Design
3. Rational Design and Synthesis of Drug Substances

## Teaching and Professional Experiences

1. Associate Professor and Lecturer in Undergraduate and Graduate Courses: General Chemistry, Organic Chemistry, Practical Organic Chemistry, Analytical Chemistry (Chromatography and Spectroscopy), Natural products Chemistry, Natural Products Isolation, and Medicinal Chemistry
2. Faculty Member of Kerman School of Pharmacy and Pharmaceutical Sciences, Department of Medicinal Chemistry (1996-2007).
3. Head and Member of Essential Oils Research Institute of University of Kashan

## Publications

1. Mohsen-Nia M, Ebrahimabadi AH, Niknahad B. Partition coefficient n-octanol/water of propranolol and atenolol at different temperatures: Experimental and theoretical studies. *Journal of Chemical Thermodynamics*. 2012; 54: 393-7.
2. Mozaffari S, Ghasemi S, Baher H, Khademi H, Amini M, Sakhteman A, et al. Synthesis and evaluation of some novel methylene-bridged aryl semicarbazones as potential anticonvulsant agents. *Medicinal Chemistry Research*. 2011:1-12.
3. Bamoniri A, Ebrahimabadi AH, Mazoochi A, Behpour M, Kashi FJ, Batooli H. Antioxidant and antimicrobial activity evaluation and essential oil analysis of *semenovia tragioides boiss.* from Iran. *Food Chem*. 2010;122(3):553-8.
4. Ebrahimabadi AH, Djafari-Bidgoli Z, Mazoochi A, Kashi FJ, Batooli H. Essential oils composition, antioxidant and antimicrobial activity of the leaves and flowers of *chaerophyllum macropodium boiss.* *Food Control*. 2010;21(8):1173-8.
5. Ebrahimabadi AH, Mazoochi A, Kashi FJ, Djafari-Bidgoli Z, Batooli H. Essential oil composition and antioxidant and antimicrobial properties of the aerial parts of *salvia eremophila boiss.* from iran. *Food and Chemical Toxicology*. 2010;48(5):1371-6.
6. Ebrahimabadi AH, Ebrahimabadi EH, Djafari-Bidgoli Z, Kashi FJ, Mazoochi A, Batooli H. Composition and antioxidant and antimicrobial activity of the essential oil and extracts of *stachys inflata benth* from iran. *Food Chem*. 2010;119(2):452-8.
7. Gholivand MB, Rahimi-Nasrabadi M, Batooli H, Ebrahimabadi AH. Chemical composition and antioxidant activities of the essential oil and methanol extracts of *psammogeton canescens*. *Food and Chemical Toxicology*. 2010;48(1):24-8.
8. Safaei-Ghomi J, Ebrahimabadi AH, Djafari-Bidgoli Z, Batooli H. GC/MS analysis and in vitro antioxidant activity of essential oil and methanol extracts of *thymus caramanicus jalas* and its main constituent carvacrol. *Food Chem*. 2009;115(4):1524-8.
9. Bamoniri A, Mazoochi A, Ebrahimabadi AH, Mirjalili BF, Behpour M, Safaei-Ghomi J, et al. Nano scale injection for determination of chemical composition and antioxidant activity of the essential oils and methanolic extracts from *foeniculum*

vulgare mill. cultivated in central iran. *Journal of Optoelectronics and Advanced Materials*. 2009;11(8):1202-6.

10. Bamoniri A, Mazoochi A, Ebrahimabadi AH, Mirjalili BF, Behpour M, Safaei-Ghomi J, et al. Chemical composition by nano scale injection and antioxidant activity of cleome iberica DC. *Optoelectronics and Advanced Materials, Rapid Communications*. 2009;3(7):744-8.

11. Safaei-Ghomi J, Ebrahimabadi AH, Djafari-Bidgoli Z, Kashi FJ, Batooli H. Bioactive properties of oil and methanol extracts of pimpinella aurea DC. *American-Eurasian Journal of Sustainable Agriculture*. 2009;3(2):151-6.

12. Ebrahimabadi AH, Borazjanian MG, Ebrahimabadi EH. Synthesis of novel 3-chloro-2-methylphenyl substituted methylene bridged aryl semicarbazones with potential anticonvulsant activity. *Asian Journal of Chemistry*. 2008;20(5):3805-10.

13. Foroumadi A, Firoozpour L, Nematollahi N, Ebrahimabadi AH, Emami S, Moshafi MH, et al. Synthesis of new fluoroquinolones containing a N-[5-(fluorobenzylthio)-1,3,4-thiadiazol-2-yl]piperazine moiety. *Asian Journal of Chemistry*. 2007;19(6):4547-52.

14. Foroumadi A, Firoozpour L, Emami S, Mansouri S, Ebrahimabadi AH, Asadipour A, et al. Synthesis and antibacterial activity of N-[5-(chlorobenzylthio)-1,3,4-thiadiazol-2-yl] piperazinyl quinolone derivatives. *Arch Pharm Res*. 2007;30(2):138-45.

15. Hampshire AJ, Khairallah H, Khalaf AI, Ebrahimabadi AH, Waigh RD, Suckling CJ, et al. DNA sequence recognition by an imidazole-containing isopropyl-substituted thiazole polyamide (thiazotropsin B). *Bioorganic and Medicinal Chemistry Letters*. 2006;16(13):3469-74.

16. Khalaf AI, Ebrahimabadi AH, Drummond AJ, Anthony NG, Mackay SP, Suckling CJ, et al. Synthesis and antimicrobial activity of some netropsin analogues. *Organic and Biomolecular Chemistry*. 2004;2(21):3119-27.

17. Zarghi A, Ebrahimabadi AH, Hassanzadeh F, Heydari MR, Shafiee A. Synthesis and anti-inflammatory activity of new 1-methyl-4-(4-X-benzenesulfonyl)pyrrolo[2,3-d]imidazole-5-carboxylates. *Boll Chim Farm*. 2003;142(6):251-4.

18. M. Rabbani, A. Jafarian Dehkordi, F. Hassan Zadeh, S. H. Hashemi, A. H. Ebrahimabadi, S. S. Sabet. Evaluation of Antiepileptic Activity of Phenytoin and Valproic Acid Covalent Conjugate in Mice. *Journal of Shahrekord University of Medical Sciences*. 2004, 6(2), 22-30, (in Persian).

19. A. H. Ebrahimabadi, H. Irannejad. Designing and Synthesis of Novel Celecoxib Derivatives with Aminosulfonylmethyl and Azidomethyl Substituents as Selective Cyclooxygenase-2 Inhibitors. *Journal of Kerman University of Medical Sciences*, 2007; 14(1), 9-18, (in Persian).

20. M. Mehrabani, E. Modirian, A. H. Ebrahimabadi, J. Vafazadeh, S. Shahnavaaz, M. R. Heidari. Study of the Effects of Hydro-methanol Extracts of Lavandula vera DC. and Cuscuta epithymum Murr. on the Seizure Induced by Pentylentetranzol in Mice. *Journal of Kerman University of Medical Sciences*. 2007, 14(1), 25-32, (in Persian).

## Society Membership

1. Member of "American Chemical Society" (2003-present).

2. Member of "Society of Physicians of Islamic Republic of Iran" (2000-present).

## References

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