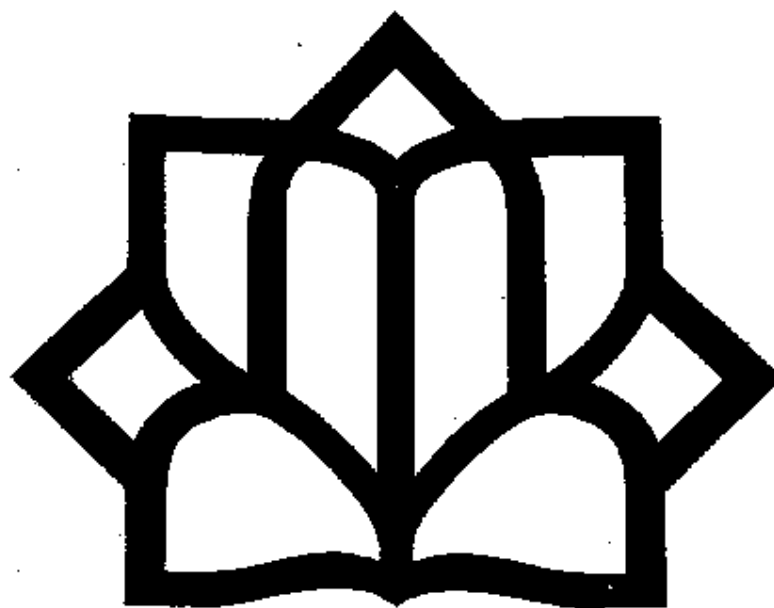


UNIVERSITY OF KASHAN



دانشگاه کاشان

CURRICULUM VITAE

ABDOLRASOUL H. EBRAHIMABADI

## CURRICULUM VITAE



### Personal Information

Surname: Haghiri Ebrahimabadi

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### Education and Qualifications

1. Pharm.D. in Pharmacy from School of Pharmacy and Pharmaceutical Sciences, Shaheed Beheshti University of Medical Sciences, Tehran, I. R. Iran (1990-1996).

2. Ph.D. in Medicinal Chemistry from School of Pharmacy and Pharmaceutical Sciences, Isfahan University of Medical Sciences, Isfahan, I. R. Iran (1996-2002).
3. Postdoc. Fellow in Strathclyde School 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. Head of Essential Oils Research Institute, University of Kashan, Kashan, I. R. Iran (2009-2014).
3. Assistant Professor of Medicinal Chemistry, Kerman University of Medical Sciences and Health Services, Kerman, I. R. Iran (1996-2007).
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 Some 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 Arylacysulfanamides Derivatives with Potential Anticancer Activity.
5. Design, Synthesis and Antiepileptic Evaluation of Some Novel Arylsemicarbazone Derivatives.
6. Evaluation of Essential Oil Composition and Antioxidant Activity of Essential Oil and Methanol Extract of *Stachys inflata* Benth.

### Laboratory Skills

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

### Communication Skills

Spoken and Written 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. Member of Essential Oils Research Institute of the University of Kashan (2007-present).

### Publications

1. Nasrollahi, S., Ghoreishi, S.M., **Ebrahimabadi, A.H.**, Khoobi, A. Gas chromatography-mass spectrometry analysis and antimicrobial, antioxidant and anti-cancer activities of essential oils and extracts of *Stachys schtschegleevii* plant as biological macromolecules. *International Journal of Biological Macromolecules*. **2019**, 128, pp. 718-723.
2. RD Bidgoli, **Ebrahimabadi A.H.**, N Haghighi Qamsari, H Batooli. Essential oil composition and biological activities of extracts of *Acinos graveolens* from Iran. *Life Science Informatics Publications*. **2019**, 5, 834-844.
3. **Ebrahimabadi, A.H.**, Movahedpour, M.M., Batooli, H., Ebrahimabadi, E.H., Mazoochi, A., Mobarak Qamsari, M. Volatile compounds analysis and antioxidant, antimicrobial and cytotoxic activities of *Mindium laevigatum*. *Iranian Journal of Basic Medical Sciences* **2016**, 19(12), pp. 1337-1344.
4. Ebrahimabadi, E.H., Ghoreishi, S.M., Masoum, S., **Ebrahimabadi, A.H.** Combination of GC/FID/Mass spectrometry fingerprints and multivariate calibration techniques for recognition of antimicrobial constituents of *Myrtus communis* L. essential oil. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*. **2016**, 1008, pp. 50-57.
5. Dehghani Bidgoli, R., Pessarakli, M., **Ebrahimabadi, A.H.**, Heshmati, G.A. Relationship Between Grazing Intensity and Qualitative and Quantitative Changes in *Artemisia Sieberi* Besser Essential Oil Compounds in Kashan Province of Iran. *Journal of Plant Nutrition*. **2014**, 37(10), pp. 1690-1701.
6. Bidgoli, R.D., Pessarakli, M., Heshmati, G.A., **Ebrahimabadi, A.H.** Effects of Topographic Factors of the Site on the Essential Oil Compounds of *Artemisia aucheri* Aerial Parts Grown in a Mountainous Region. *Communications in Soil Science and Plant Analysis*. **2013**, 44(17), pp. 2618-2624.

7. Mozaffari, S., Ghasemi, S., Baher, H., Khademi, H., Amini, M., Sakhteman, A., **Ebrahimabadi, A.H.**, Sharifzadeh, M. Synthesis and evaluation of some novel methylene-bridged aryl semicarbazones as potential anticonvulsant agents. *Medicinal Chemistry Research*. **2012**, 21(11), pp. 3797-3808.
8. Mohsen-Nia, M., **Ebrahimabadi, A.H.**, Niknahad, B. Partition coefficient n-octanol/water of propranolol and atenolol at different temperatures: Experimental and theoretical studies. *Journal of Chemical Thermodynamics*. **2012**, 54, pp. 393-397.
9. Bamoniri, A., **Ebrahimabadi, A.H.**, Mazoochi, A., Behpour, M., Kashi, F.J., Batooli, H. Antioxidant and antimicrobial activity evaluation and essential oil analysis of *Semenovia tragioides* Boiss. from Iran. *Food Chemistry*. **2010**, 122(3), pp. 553-558.
10. **Ebrahimabadi, A.H.**, Djafari-Bidgoli, Z., Mazoochi, A., Kashi, F.J., Batooli, H. Essential oils composition, antioxidant and antimicrobial activity of the leaves and flowers of *Chaerophyllum macropodium* Boiss. *Food Control*. **2010**, 21(8), pp. 1173-1178.
11. **Ebrahimabadi, A.H.**, Mazoochi, A., Kashi, F.J., 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), pp. 1371-1376.
12. **Ebrahimabadi, A.H.**, Ebrahimabadi, E.H., Djafari-Bidgoli, Z., Kashi, F.J., Mazoochi, A., Batooli, H. Composition and antioxidant and antimicrobial activity of the essential oil and extracts of *Stachys inflata* Benth from Iran. *Food Chemistry*. **2010**, 119(2), pp. 452-458.
13. Gholivand, M.B., Rahimi-Nasrabadi, M., Batooli, H., **Ebrahimabadi, A.H.** Chemical composition and antioxidant activities of the essential oil and methanol extracts of *Psammogeton canescens*. *Food and Chemical Toxicology*. **2010**, 48(1), pp. 24-28.
14. Safaei-Ghomi, J., **Ebrahimabadi, A.H.**, Djafari-Bidgoli, Z., Batooli, H. GC/MS analysis and in vitro antioxidant activity of essential oil and methanol extracts of *Thymus caramanicus* Jasas and its main constituent carvacrol. *Food Chemistry*. **2009**, 115(4), pp. 1524-1528.
15. Bamoniri, A., Mazoochi, A., **Ebrahimabadi, A.H.**, Mirjalili, B.F., Behpour, M., Safaei-Ghomi, J., Batooli, H. 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), pp. 1202-1206.
16. Bamoniri, A., Mazoochi, A., **Ebrahimabadi, A.H.**, Mirjalili, B.F., Behpour, M., Safaei-Ghomi, J., Batooli, H. Chemical composition by nano scale injection and antioxidant activity of *Cleome iberica* DC. *Optoelectronics and Advanced Materials, Rapid Communications*. **2009**, 3(7), pp. 744-748.
17. Safaei-Ghomi, J., **Ebrahimabadi, A.H.**, Djafari-Bidgoli, Z., Kashi, F.J., Batooli, H. Bioactive properties of oil and methanol extracts of *Pimpinella aurea* DC. *American-Eurasian Journal of Sustainable Agriculture*. **2009**, 3(2), pp. 151-156.

18. **Ebrahimabadi, A.H.**, Borazjanian, M.G., Ebrahimabadi, E.H. Synthesis of novel 3-chloro-2-methylphenyl substituted methylene bridged aryl semicarbazones with potential anticonvulsant activity. *Asian Journal of Chemistry*. **2008**, 20(5), pp. 3805-3810.
19. Foroumadi, A., Firoozpour, L., Nematollahi, N., **Ebrahimabadi, A.H.**, Emami, S., Moshafi, M.H., Asadipour, A., Shafiee, A. Synthesis of new fluoroquinolones containing a N-[5-(fluorobenzylthio)-1,3, 4-thiadiazol-2-yl]piperazine moiety. *Asian Journal of Chemistry*. **2007**, 19(6), pp. 4547-4552.
20. Foroumadi, A., Firoozpour, L., Emami, S., Mansouri, S., **Ebrahimabadi, A.H.**, Asadipour, A., Shafiee, A. Synthesis and antibacterial activity of N-[5-(chlorobenzylthio)-1,3,4- thiadiazol-2-yl] piperazinyl quinolone derivatives. *Archives of Pharmacal Research*. **2007**, 30(2), pp. 138-145.
21. Hampshire, A.J., Khairallah, H., Khalaf, A.I., **Ebrahimabadi, A.H.**, Waigh, R.D., Suckling, C.J., Brown, T., Fox, K.R. DNA sequence recognition by an imidazole-containing isopropyl-substituted thiazole polyamide (thiazotropsin B). *Bioorganic and Medicinal Chemistry Letters*. **2006**, 16(13), pp. 3469-3474.
22. Synthesis and antimicrobial activity of some netropsin analogues. Khalaf, A.I., **Ebrahimabadi, A.H.**, Drummond, A.J., Anthony, N.G., Mackay, S.P., Suckling, C.J., Waigh, R.D. *Organic and Biomolecular Chemistry*. **2004**, 2(21), pp. 3119-3127.
23. Zarghi, A., **Ebrahimabadi, A.H.**, Hassanzadeh, F., Heydari, M.R., Shafiee, A. Synthesis and anti-inflammatory activity of new 1-methyl-4-(4-X-benzenesulfonyl)pyrrolo[2,3-d] imidazole-5-carboxylates. *Bollettino Chimico Farmaceutico*. **2003**, 142(6), pp. 251-254.
24. Jelodarian, S., **Ebrahimabadi, A.H.**, Khalighi, A., Batooli, H. Evaluation of antioxidant activity of *Malus domestica* fruit extract from Kashan area. *African Journal of Agricultural Research*. **2015**, 10, 2136-2140.
25. Jelodarian, S., **Ebrahimabadi, A.H.**, Kashi, F.J. Evaluation of antimicrobial activity of *Malus domestica* fruit extract from Kashan area. *Avicenna Journal of Phytomedicine*. **2013**, 3, 1.
26. Bidgoli, R. D., Pessarakli, M., Heshmati, G. **Ebrahimabadi, A.H.** Effects of topographic factors of the site on the essential oil compounds of *Artemisia aucheri* aerial parts grown in a mountainous region. *Commun. Soil Sci. Plant Anal.* **2013**, 44, 2618-2624.
27. Jelodarian, S., **Ebrahimabadi, A.H.**, Khalighi, A. Batooli, H. Evaluation of antioxidant activity of *Malus domestica* fruit extract from Kashan area. *Avicenna Journal of Phytomedicine*. **2012**, 2, 139.
28. Bamoniri, A., Batooli, H., Najafabadi, H.S., **Ebrahimabadi, A.H.** Evaluation of the in vitro antioxidant activity of polar and non polar extracts from *Perovskia atriplicifolia* Benth. *Research in Pharmaceutical Sciences*. **2012**, 7, S793.
29. Safaei-Ghomi, J., **Ebrahimabadi, A.H.**, Djafari-Bidgoli, Z., Kashi, J. Batooli, H. Bioactive properties of oil and methanol extracts of *Pimpinella aurea* DC. *Am Eurasian J Sustain Agric*. **2009**, 3, 151-156.
30. M. Rabbani, A. Jafarian Dehkordi, F. Hassan Zadeh, S. H. Hashemi, **A.H. Ebrahimabadi**, S.S. Sabet. Evaluation of Antiepileptic Activity of Phenytoin

- and Valperioic Acid Covalent Conjugate in Mice. *Journal of Shahrekord University of Medical Sciences*. **2004**, 6(2), 22-30, (in Persian).
31. **A.H. Ebrahimabadi**, H. Irannejad. Design 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).
32. 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).