

Curriculum Vitae

Seyed Hassan Seradj

Shiraz University of Medical Sciences
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Born: March 22, 1976

Academic Positions:

2021 – present

Associate Professor, Department of Pharmacognosy, School of Pharmacy,
Shiraz University of Medical Sciences, Shiraz, Iran

2009 - 2021

Assistant Professor, Department of Pharmacognosy, School of Pharmacy,
Shiraz University of Medical Sciences, Shiraz, Iran

Summer 2010 & Winter 2012 Visiting Scientist, Department of Biochemistry and Molecular Biology, State
University of New York Upstate Medical University, Syracuse, New York,
USA

Executive Appointments:

2022 – present

Vice Chancellor for Global Strategies and International Affairs, Shiraz
University of Medical Sciences, Shiraz, Iran

2014 – 2022

Associate Vice Chancellor for Education, Shiraz University of Medical
Sciences, Shiraz, Iran

2012 – 2013

Dean of the School of Pharmacy, Shiraz University of Medical Sciences,
Shiraz, Iran

Education:

September 2003-
December 2008

Ph.D. Organic and Medicinal Chemistry, University of Wisconsin-Madison,
USA

June 2001-
July 2003

M.S. Organic Chemistry, Ball State University, Muncie, Indiana, USA

August 1994-
May 2000

Pharm.D., Shiraz University of Medical Sciences, Iran

Research Experience:

Summer 2010 and
January-April 2012

Visiting Scientist, State University of New York Upstate Medical University,
Syracuse, New York, USA
Synthetic retinoids as pharmacological chaperones for the stabilization of
mutant opsin proteins

September 2003- December 2008	Doctoral Research, University of Wisconsin-Madison Chemistry of marine natural products: towards the total synthesis of bryostatin 1
September 2001- July 2003	Graduate Research, Ball State University Synthesis of 6-substituted lavendamycin analogs as novel antitumor agents
September 1998- January 2000	Undergraduate Research, Shiraz University of Medical Sciences New applications of <i>N</i> -bromosuccinimide (NBS) in organic synthesis

Awards:

Junior Faculty Research Award, Shiraz University of Medical Sciences, Iran, 2017
 Faculty Teaching Award, Shiraz University of Medical Sciences, Iran, 2012
 Visiting Researcher Fellowship, State University of New York Research Foundation, 2010 & 2012
 Chemistry Department Travel Grant, University of Wisconsin-Madison, USA, 2007
 Excellence in Research Award, Department of Chemistry, Ball State University, USA, 2003
 Top Student Award, Faculty of Pharmacy, Shiraz University of Medical Sciences, Iran, 2000

Selected Publications:

Shima Hashemi, Amir Reza Jassbi, Nasrollah Erfani, Hassan Seradj, Two new cytotoxic ursane triterpenoids from the aerial parts of *Salvia urmiensis*, *Fitoterapia* **2021**, 154, 105030.

M. Gholampour, A. Sakhteman, S. Pirhadi, H. Seradj, In silico design of novel diamino-quinoline-5,8-dione derivatives as putative inhibitors of NAD(P)H:Quinone Oxidoreductase 1 based on docking studies and molecular dynamics simulations, *Journal of Molecular Structure* **2021**, 129906.

Gholampour, M., Seradj, H., Pirhadi, S., Khoshneviszadeh, M., Novel 2-amino-1,4-naphthoquinone hybrids: Design, synthesis, cytotoxicity evaluation and in silico studies, *Bioorganic and Medicinal Chemistry* **2020**, 28 (21), 115718.

M. Fereidoonzhad, S. M. H. Tabaei, A. Sakhteman, H. Seradj, Z. Faghieh, Z. Faghieh, A. Mojaddami, B. Sadeghian, Z. Rezaei, Design, Synthesis, Molecular Docking, Biological Evaluations and QSAR Studies of Novel Dichloroacetate Analogues as Anticancer Agents, *Journal of Molecular Structure* **2020**, 128689.

Hajar Owji, Ali Hajiebrahimi, Hassan Seradj, Shiva Hemmati, Identification and functional prediction of stress responsive AP2/ERF transcription factors in *Brassica napus* by genome-wide analysis, *Computational Biology and Chemistry* **2017**, 71, 32-56.

Hemmati, S.; Seradj, H., Justicidin B: A promising bioactive lignin, *Molecules* **2016**, 21:820.

Ebrahimi, N.; Rasoul-Amini, S.; Ebrahiminezhad, A.; Ghasemi, Y.; Gholami, A.; Seradj, H., Comparative study on characteristics and cytotoxicity of bifunctional magnetic-silver nanostructures: Synthesized using three different reducing agents, *Acta Metallurgica Sinica* **2016**, 29, 326-334.

Faridi, P.; Seradj, H.; Mohammadi-Samani, S.; Vossoughi, M.; Mohagheghzadeh, A.; Roozbeh, J., Randomized and double-blinded clinical trial of the safety and calcium kidney stone dissolving efficacy of *Lapis judaicus*, *Journal of Ethnopharmacology* **2014**, 156, 82-87.

Faridi, P.; Seradj, H.; Mohammadi-Samani, S.; Roozbeh, J.; Mohagheghzadeh, A., Elemental Analysis, Physicochemical Characterization and Lithonriptic Properties of *Lapis judaicus*, *Pharmacognosy Journal* **2013**, 5, 94-96.

Cai, W.; Hassani, M.; Karki, R.; Walter, E. D.; Koelsch, K. H.; Seradj, H.; Lineswala, J. P.; Mirzaei, H.; York, J. S.; Olang, F.; Sedighi, M.; Lucas, J. S.; Eads, T. J.; Rose, A. S.; Charkhzarrin, S.; Hermann, N. G.; Beall, H. D.; Behforouz, M., Synthesis, Metabolism and In Vitro Cytotoxicity Studies of Novel Lavendamycin Antitumor Agents, *Bioorganic and Medicinal Chemistry* **2010**, *18*, 1899-1909.

Hassani, M.; Cai, W.; Holley, D. C.; Lineswala, J. P.; Maharjan, B. R.; Ebrahimian, G. R.; Seradj, H.; Stocksdale, M. G.; Mohammadi, F.; Marvin, C. C.; Gerdes, J. M.; Beall, H. D.; Behforouz, M., Novel Lavendamycin Analogues as Antitumor Agents: Synthesis, in Vitro Cytotoxicity, Structure-Metabolism, and Computational Molecular Modeling Studies with NAD(P)H:Quinone Oxidoreductase 1, *Journal of Medicinal Chemistry* **2005**, *48*, 7733-7749.

Voight, E. A.; Seradj, H.; Roethle, P. A.; Burke, S. D., Synthesis of the Bryostatin 1 Northern Hemisphere (C1-C16) via Desymmetrization by Ketalization/Ring-Closing Metathesis, *Organic Letters* **2004**, *6*, 4045-4048.

Seradj, H.; Cai, W.; Erasga, N. O.; Chenault, D. V.; Knuckles, K. A.; Ragains, J. R.; Behforouz, M., Total Synthesis of Novel 6-Substituted Lavendamycin Antitumor Agents, *Organic Letters* **2004**, *6*, 473-476.

Karimi, B.; Seradj, H.; Maleki, J., Highly Efficient and Chemoselective Interchange of 1,3-Oxathioacetals and Dithioacetals to Acetals Promoted by *N*-Halosuccinimides, *Tetrahedron* **2002**, *58*, 4513-4516.

Karimi, B.; Seradj, H., Zirconium Tetrachloride (ZrCl₄) as an Efficient and Chemoselective Catalyst for Conversion of Carbonyl Compounds to 1,3-Oxathiolanes, *Synlett* **2000**, 805-806.

Karimi, B.; Ebrahimian, G. R.; Seradj, H., Efficient and Chemoselective Conversion of Carbonyl Compounds to 1,3-Dioxanes Catalyzed with *N*-Bromosuccinimide under Almost Neutral Reaction Conditions, *Organic Letters* **1999**, *1*, 1737-1739.