

## CURRICULUM VITAE

<b>Date Prepared:</b>	April 2018
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## Education

2005	Pharm D	Pharmacy	Isfahan University of Medical Science, Isfahan, Iran.
2010	PhD	Pharmacognosy	Isfahan University of Medical Sciences, Isfahan, Iran.
2009	Fellowship	Phytochemistry	Eastern Piedmont University, Novara, Italy
2017	Fellowship	Medicinal plants analysis	University of Mississippi, Oxford, MS, US

## Skeptical

Dr. Yalda Shokoohinia, a visiting scholar at University of Mississippi, NCNPR, Oxford, MS, is an associate professor of Pharmacognosy in Kermanshah University of Medical Sciences (KUMS), Kermanshah, Iran, where she has started her career as an assistant professor in 2011. She took her Pharm D degree in 2005 from Isfahan University of Medical Sciences, Isfahan, Iran where she obtained her Ph.D. in Pharmacognosy in 2010. She was a visiting scholar of Phytochemistry under supervision of Professor Giovanni Appendino in Eastern University of Piedmont, Novara, Italy in 2008-2009. Dr. Shokoohinia research areas are phytochemistry, natural product isolation and multidimensional chromatography (LC/MS, GC/MS). She has over 40 papers, numerous abstracts, and 420 citations. She has received many honors such as 1st best Ph.D. Student in the Board Exam of Pharmacognosy (2007); 2nd best Student in the National entrance exam of Ph.D. of Pharmacognosy (2005); several best article awards in international and national conferences, several best teacher, and researcher of KUMS; the best woman researcher of Kermanshah province (2015) and as silver ranked researcher of Iran (2017, 2018).

Through her research in Phytochemistry, she has discovered over 90 pure natural products among them 20 were found to have new structures. Besides, she has been the reviewer of more than 15 peers reviewed journals (more than 100 reviewed manuscripts) and the section editor of Journal of Reports in Pharmaceutical Sciences. She has supervised more than 40 theses and has the six-year experience of teaching in pharmacy in 9 different topics. In her professional career, she has been the pharmacist of university and hospital drugstores for more than 10 years; Ravansar Persian Cohort contributor; the head of the Department of Pharmacognosy & Biotechnology (2013-2015), the dean of continuous medical education of Kermanshah province (2015-2016) and she is currently the youngest member and the only woman specialist of Iran's national board (council) of Pharmacognosy.

## Appointments at Hospitals/Affiliated Institutions

2004- 2005	Pharmacist	Alzahra Hospital, Isfahan University of Medical science
2005-2007	Pharmacist	Noor Hospital, Sajjad Pharmacy, University of Medical science
2011-2014	Pharmacist	Mo'tazedi Hospital, Imam Khomeini Pharmacy, Kermanshah University of Medical Sciences

2015-2016	Pharmacist	Taleghani Hospital, Vali-Asr pharmacy, Kermanshah University of Medical Sciences
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### Other Professional Positions

2014-2018	Associate professor	Kermanshah University of Medical sciences
2011-2014	Assistant professor	Kermanshah University of Medical sciences
2013 – 2015	Head of Department of Pharmacognosy & Biotechnology.	Kermanshah University of Medical sciences
2013 up to now	Section Editor of “Journal of Reports in Pharmaceutical Sciences”.	Kermanshah University of Medical sciences
2017 up to now	National Board of Pharmacognosy	Ministry of Health, Iran

### Major Administrative Leadership Positions

2015	Head of Continuous Medical Education	Kermanshah University of Medical sciences.
2017	Dean of Faculty of Pharmacy	Kermanshah University of Medical sciences.

### Committee Service

Development of Knowledge of Traditional Medicine Committee Third generation University Committee Executive Committee of the Congress of Vitreo-retina The Executive Committee of Medicinal Chemistry Seminar University Human Resources Committee Teachers Education Committee International education Committee Research in Continuous Medical Education Committee	Kermanshah University of Medical Sciences
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### Professional Societies

2005 up to now	Medical Council of Iran	member
2015 up to now	Members of Pharmacognosy society of Iran	Member
2013 up to now	Iran Pharmacy Specialists Society	Member
2017 up to now	National Board of Pharmacognosy	member
2017 up to now	American Society of Pharmacognosy	member

### Grant Review Activities

More than 30 grant proposal reviews for Kermanshah University of Medical Sciences

### Editorial Activities

Journal of Reports in Pharmaceutical Sciences  
 Research in Pharmaceutical Sciences  
 Dental Research Journal  
 Iranian Journal of Pharmaceutical Research  
 Pharmaceutical Biology  
 Jundishapur Journal of Natural Pharmaceutical Products  
 Iranian Journal of Basic Medical Sciences  
 Pharmaceutical Sciences  
 International Journal of Preventive Medicine  
 Biomedicine & Pharmacotherapy

### **Honors and Prizes**

2018	Selected as the silver ranked researcher of Iran	Iranian network of researchers
2017	Selected as the silver ranked researcher of Iran	Iranian network of researchers
2017	Selected as the youngest and the only woman specialist of national board of pharmacognosy	Ministry of health, Iran
2016-2017	Fellowship	University of Mississippi, MS, USA
2014, 2016	Selected best teacher of the university	Kermanshah University of Medical Sciences.
2012, 2014, 2015	Selected best researchers of the university.	Kermanshah University of Medical Sciences.
2009-2010	9 month-fellowship.	University of eastern Piedmont, Novara, Italy
2007	1st Best PhD Student in the Board Exam of Pharmacognosy PhD course.	Isfahan School of pharmacy.

### **Report of Funded and Unfunded Projects**

#### **Funding Information**

More than 30 funded projects from Kermanshah University of Medical Sciences  
 1 funded project from Ministry of Health, Iran

### **Report of Local Teaching and Training**

#### **Teaching of Students in Courses**

2016-2017	Mass and LC/MS	NCNPR, Oxford, MS, USA
2016-2017	NMR elucidation	NCNPR, Oxford, MS, USA
2011-present	Pharmacognosy I ; Pharmacognosy II; Pharmacognosy, lab.; Phytochemistry; Pharmacy internship; Medicinal Plants; Medicinal Plants, Lab. Pharmacology	Kermanshah University of medical sciences

### **Clinical Supervisory and Training Responsibilities**

Section responsible for Pharmacy internship in hospital pharmacy for pharmacy students

### Local Invited Presentations

2015	Research Methods / Workshop
2015	End Note / Workshop
2015	Elementary research methods / Workshop

### Report of Regional, National and International Invited Teaching and Presentations

#### Invited Presentations and Courses

2017	Speaker in Oxford International Conference on Botanical Sciences
2015	14 <sup>th</sup> Iranian Pharmaceutical Sciences Conference, Tehran, Iran
2012	Congress on medicinal plants Yasouj. Yasouj University of Medical Sciences Kohgiluyeh and Boyer Ahmad. Iran.
2012	Symposium of Pharmacognosy and Phytochemical, Iran.
2010	12 <sup>th</sup> Iranian Pharmaceutical Sciences Conference, Zanjan, Iran
2008	11 <sup>th</sup> Iranian Pharmaceutical Sciences Conference, Kerman, Iran

### Report of Clinical Activities and Innovations

#### Current Licensure and Certification

2005	Iran's national Pharmacy License
2010	Specialty in Pharmacy, Pharmacognosy

### Report of Scholarship

#### Publications

1. F. Ahmadi, S. Valadbeigi, S.E. Sajjadi, Y. Shokoohinia, H. Azizian, G. Taheripak: *Grandivittin as a natural minor groove binder extracted from Ferulago Macrocarpa to ct-DNA, experimental and in silico analysis*. Chemico-biological interactions 08/2016; 258. DOI:10.1016/j.cbi.2016.08.020
2. Elham Jafarifar, Marziyeh Hajialyani, Mona Akbari, Masoud Rahimi, Yalda Shokoohinia, Ali Fattahi: *Preparation of a reproducible long acting formulation of risperidone-loaded PLGA microspheres using microfluidic method*. Pharmaceutical Development and Technology 08/2016; DOI:10.1080/10837450.2016.1221426
3. SeyedEbrahim Sajjadi, Abbas-Ali Eskandarian, Yalda Shokoohinia, Hosein-Ali Yousefi, Marjan Mansourian, Hasan Asgarian-Nasab, Negar Mohseni: *Antileishmanial activity of prenylated coumarins isolated from Ferulago angulata and Prangos asperula*. Research in pharmaceutical sciences 01/2016; 11(4). DOI:10.4103/1735-5362.189314
4. Yalda Shokoohinia, Shayesteh Gheibi, Amir Kiani, Komail Sadrjavadi, Amin Nowroozi, Mohsen Shahlaei: *Multi-spectroscopic and molecular modeling investigation of the interactions between prantschimgin and matrix metalloproteinase 9 (MMP9)*. Luminescence 08/2015; 31(2). DOI:10.1002/bio.2999
5. Amir Kiani, Khadijeh Almasi, Yalda Shokoohinia, Komail Sadrjavadi, Amin Nowroozi, Mohsen Shahlaei: *Title: Combined Spectroscopy and Molecular Modeling Studies on the Binding of Galbanic Acid and MMP9*. International journal of biological macromolecules 08/2015; 81. DOI:10.1016/j.ijbiomac.2015.08.005
6. Yalda Shokoohinia, Seyed-Ebrahim Sajjadi, Amir Reza Jassbi, Hosein Moradi, Nasrollah Ghassemi, Bernd Schneider: *Sesquiterpenes and Flavonoids of Anthemis odontostephana var. odontostephana*. Chemistry of Natural Compounds 05/2015; 51(3). DOI:10.1007/s10600-015-1322-8

7. Mohammad Bagher Gholivand, Yadollah Yamini, Manijeh Dayeni, Yalda Shokoohinia: *The influence of the extraction mode on three coumarin compounds yield from Prangos ferulacea (L.) Lindl roots.* Journal of the Iranian Chemical Society 04/2015; 12(4). DOI:10.1007/s13738-014-0529-0
8. Yalda Shokoohinia, Maryam Rashidi, Leila Hosseinzadeh, Zohreh Jelodarian: *Quercetin-3-O-β-D-glucopyranoside, a dietary flavonoid, protects PC12 cells from H<sub>2</sub>O<sub>2</sub>-induced cytotoxicity through inhibition of reactive oxygen species.* Food Chemistry 01/2015; 167C. DOI:10.1016/j.foodchem.2014.06.079
9. Yalda Shokoohinia, Gisy Abdi, Ali Fattahi, Maryam Jamali, Seyed-Ebrahim Sajjadi, Behzad Shabbazi: *Antiproliferative evaluation of terpenoids and terpenoid coumarins from Ferulago macrocarpa (Fenzl) Boiss. fruits.* Pharmacognosy Research 01/2015; DOI:10.4103/0974-8490.158437
10. Manpreet Kaur Rawal, Yalda Shokoohinia, Giuseppina Chianese, Behzad Zolfaghari, Giovanni Appendino, Orazio Tagliatalata-Scafati, Rajendra Prasad, Attilio Di Pietro: *Jatrophanes from Euphorbia squamosa as Potent Inhibitors of Candida albicans Multidrug Transporters.* Journal of Natural Products 12/2014; 77(12). DOI:10.1021/np500756z
11. Alireza Ghannadi, Khadijeh Fattahian, Yalda Shokoohinia, Mandana Behbahani, Alireza Shahnoush: *Anti-Viral Evaluation of Sesquiterpene Coumarins from Ferula assa-foetida against HSV-1.* Iranian journal of pharmaceutical research (IJPR) 09/2014; 13(2).
12. Yalda Shokoohinia, Leila Hosseinzadeh, Maryam Alipour, Ali Mostafaie, Hamid-Reza Mohammadi-Motlagh: *Comparative Evaluation of Cytotoxic and Apoptogenic Effects of Several Coumarins on Human Cancer Cell Lines: Osthole Induces Apoptosis in p53-Deficient H1299 Cells.* Advances in Pharmacological Sciences 09/2014; 2014(1). DOI:10.1155/2014/847574
13. Yalda Shokoohinia, Seyed-Ebrahim Sajjadi, Saeed Gholamzadeh, Ali Fattahi, Mandana Behbahani: *Antiviral and cytotoxic evaluation of coumarins from Prangos ferulacea.* Pharmaceutical Biology 07/2014; 52(12). DOI:10.3109/13880209.2014.907322
14. Yalda Shokoohinia, Leila Hosseinzadeh, Maryam Moieni-Arya, Ali Mostafaie, Hamid-Reza Mohammadi-Motlagh: *Osthole Attenuates Doxorubicin-Induced Apoptosis in PC12 Cells through Inhibition of Mitochondrial Dysfunction and ROS Production.* BioMed Research International 06/2014; 2014(2). DOI:10.1155/2014/156848
15. Y Shokoohinia, A Yegdaneh, G Amin, A Ghannadi: *Seasonal variations of Laurus nobilis L. leaves volatile oil components in Isfahan, Iran.* 05/2014; 1(2014).
16. Mahdi Mojarreb, Marieh Rezaei, Sayyed Shahram Miraghaee, Gisy Abdi, Yalda Shokoohinia: *Antimalarial Evaluation of Cuminaldehyde, an Aromatic Monoterpenoid, using Cell Free β-hematin Formation Assay.*
17. Samira Ranjbar, Yalda Shokoohinia, Sirous Ghobadi, Nooshin Bijari, Saeed Gholamzadeh, Nastaran Moradi, Mohammad Reza Ashrafi-Kooshk, Abbas Aghaei, Reza Khodarahmi: *Studies of the Interaction between Isoimperatorin and Human Serum Albumin by Multispectroscopic Method: Identification of Possible Binding Site of the Compound Using Esterase Activity of the Protein.* The Scientific World Journal 11/2013; 2013(2). DOI:10.1155/2013/305081
18. Nooshin Bijari, Yalda Shokoohinia, Mohammad Reza Ashrafi-Kooshk, Samira Ranjbar, Shahram Parvaneh, Maryam Moieni-Arya, Reza Khodarahmi: *Spectroscopic study of interaction between osthole and human serum albumin: Identification of possible binding site of the compound.* Journal of Luminescence 11/2013; 143. DOI:10.1016/j.jlumin.2013.04.045
19. Yalda Shokoohinia, Giuseppina Chianese, Giovanni Appendino, Vincenzo Di Marzo, Luciano De Petrocellis, Alireza Ghannadi, Roshanak Taghvayi, Khadijeh Fattahian, Reza Soltani, Orazio Tagliatalata-Scafati: *Some like it pungent and vile. TRPA1 as a molecular target for the malodorous vinyl disulfides from asafoetida.* Fitoterapia 08/2013; 90. DOI:10.1016/j.fitote.2013.08.001
20. Seyed Ebrahim Sajjadi, Nasrollah Ghassemi, Yalda Shokoohinia, Hossein Moradi: *Essential Oil Composition of Flowers of Anthemis odontostephana Boiss. var. odontostephana.* Journal of essential oil-bearing plants JEOP 08/2013; 16(2). DOI:10.1080/0972060X.2013.793967
21. H Sadraei, Y Shokoohinia, S E Sajjadi, M Mozafari: *Antispasmodic effect of Prangos ferulacea acetone extract and its main component osthole on ileum contraction.* Research in pharmaceutical sciences 04/2013; 8(2).
22. S E Sajjadi, Y Shokoohinia, P Mehrmiri: *Isolation and characterization of steroids, phthalide and essential oil of the fruits of Kelussia odoratissima Mozaff., an endemic mountain celery.* Research in pharmaceutical sciences 03/2013; 8(1).
23. Z. Jelodarian, R. Taghvayi, E. Allahyari, Y. Shokoohinia, A. Ghannadi: *Plant sulfides: Effective compounds on hair and skin diseases.* Journal of Isfahan Medical School 02/2013; 30(217).
24. Ali Fattahi, Paola Petrini, Fabiola Munarin, Yalda Shokoohinia, Mohammed Ali Golozar, Jaleh Varshosaz, Maria Cristina Tanzi: *Polysaccharides Derived from Tragacanth as Biocompatible Polymers and Gels.* Journal of Applied Polymer Science 01/2013; 129(4). DOI:10.1002/APP.38931

25. M. Behbahani, M. Shanehsazzadeh, Y. Shokoohinia, M. Soltani: *Evaluation of Anti-Herpetic Activity of Methanol Seed Extract and Fractions of Securigerasecuridaca In vitro*. Journal of Antivirals and Antiretrovirals 01/2013; 5(4). DOI:10.4172/jaa.100006
26. Gholamreza Bahrami, Reza Soltani, Seyed-Ebrahim Sajjadi, Mohammad-Reza Kanani, Reza Naderi, Nastaran Ghiasvand, Yalda Shokoohinia: *Essential oil composition of Ferula Assa-Foetida L. Fruits from Western Iran*.
27. B. Zolfaghari, Y. Shokoohinia, P. Ramezanlou, A. Sadeghi, M. Mahmoudzadeh, M. Minaiyan: *Effects of methanolic and butanolic fractions of allium elburzense wendelbo bulbs on blood glucose level of normal and STZ-induced diabetic rats*.
28. Seyed Ebrahim Sajjadi, Yalda Shokoohinia, Narjess-Sadat Moayedi: *Isolation and Identification of Ferulic Acid From Aerial Parts of Kelussia odoratissima Mozaff*. Jundishapur Journal of Natural Pharmaceutical Products 10/2012; 7(4). DOI:10.5812/jjnpp.4861
29. B Zolfaghari, Y Shokoohinia, P Ramezanlou, A Sadeghi, M Mahmoudzadeh, M Minaiyan: *Effects of extract and total saponins of Allium elburzense Wendelbo bulbs on blood glucose level of normal and STZ-induced diabetic rats*. Research in pharmaceutical sciences 10/2012; 7(4).
30. Seyed Ebrahim Sajjadi, Yalda Shokoohinia, Saeed Hemmati: *Isolation and identification of furanocoumarins and a phenylpropanoid from the acetone extract and identification of volatile constituents from the essential oil of Peucedanum pastinacifolium*. Chemistry of Natural Compounds 09/2012; 48(4). DOI:10.1007/s10600-012-0343-9
31. S.E. Sajjadi, Y Shokoohinia, M Jamali: *Chemical composition of essential oil of Ferulago macrocarpa (Fenzl) Boiss. Fruits*. Research in pharmaceutical sciences 07/2012; 7(3).
32. H Sadraei, Y Shokoohinia, S.E. Sajjadi, B Ghadirian: *Antispasmodic effect of osthole and Prangos ferulacea extract on rat uterus smooth muscle motility*. Research in pharmaceutical sciences 07/2012; 7(3).
33. Sayid Mahdi Mirghazanfari, Leila Hosseinzadeh, Yalda Shokoohinia, Majid Aslany, Mohammad Kamali-Nejad: *Acute and subchronic toxicological evaluation of Echinophora platyloba DC (Apiaceae) total extract in Wistar rats*. Clinics (São Paulo, Brazil) 05/2012; 67(5). DOI:10.6061/clinics/2012(05)15
34. Seyed Ebrahim Sajjadi, Yalda Shokoohinia, Saeed Gholamzadeh: *Chemical composition of essential oil of Prangos ferulacea (L.) Lindl. roots*. Chemija 01/2011; 22(3).
35. Yalda Shokoohinia, Giuseppina Chianese, Behzad Zolfaghari, Seyed-Ebrahim Sajjadi, Giovanni Appendino, Orazio Tagliatalata-Scafati: *Macrocyclic diterpenoids from the Iranian plant Euphorbia bungei Boiss*. Fitoterapia 10/2010; 82(3). DOI:10.1016/j.fitote.2010.10.015
36. Yalda Shokoohinia, Seyed-Ebrahim Sajjadi, Behzad Zolfaghari, Giuseppina Chianese, Giovanni Appendino, Orazio Tagliatalata-Scafati: *Diterpenoid (poly)esters and a ring A-seco-phorboid from the aerial parts of Euphorbia macroclada Boiss*. Fitoterapia 10/2010; 81(7). DOI:10.1016/j.fitote.2010.05.015
37. Y Shokoohinia, O Tagliatalata-Scafati, S Sajjadi, B Zolfaghari, G Appendino: *Pre-myrsinanes and deoxygenated phorboids from the Iranian spurge Euphorbia macroclada Boiss*. Planta Medica 08/2010; 76(12). DOI:10.1055/s-0030-1264446
38. Y Shokoohinia, O Tagliatalata-Scafati, E Munoz, S Sajjadi, G Appendino: *Isolation and biological evaluation of a triterpenoid from fruits of wild caraway (Bunium persicum Boiss.)*. Planta Medica 08/2010; 76(12). DOI:10.1055/s-0030-1264468
39. Y Shokoohinia, SE Sajjadi, P MehrAmiri: *Isolation of 3-butylyden-4,5-dihydrophthalide and steroids from Kelussia odoratissima, a Persian food seasoning*. Planta Medica 08/2010; 76(12). DOI:10.1055/s-0030-1264626
40. Y Shokoohinia, O Tagliatalata-Scafati, S Sajjadi, B Zolfaghari, G Appendino: *New jatrophanes from Euphorbia bungei Boiss*. Planta Medica 08/2010; 76(12). DOI:10.1055/s-0030-1264467
41. S. E. Sajjadi, H Zeinvand, Y Shokoohinia: *Isolation and identification of osthol from the fruits and essential oil composition of the leaves of Prangos asperula Boiss*.
42. S. Sajjadi, Y. Shokoohinia, S. Hemmati: *Antiviral activity of elemicin from Peucedanum pastinacifolium*.
43. Shayesteh Gheibi, Yalda Shokoohinia, Amir Kiani, Komail Sadrjavadi Amin Nowroozi, Mohsen Shahlaei. Molecular insight into the Grandivitin- matrix metalloproteinase 9 interactions. Journal of Photochemistry & Photobiology, B: Biology 162 (2016) 493–499.

## Thesis

Shokoohinia Y., 2005. Phytochemical investigation of aerial part of <i>Pycnocycla spinosa</i> .
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Shokoohinia Y., 2010. Isolation and structure elucidation of new diterpenoid poly esters from some Iranian <i>Euphorbia</i> species. PhD Thesis, Isfahan University of Medical Sciences.
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## Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

More than 50 abstracts.