

## *Curriculum Vitae*



### **Personal data:**

- Name: Abolghasem Jouyban
- Date of birth: 21<sup>st</sup> April 1966
- Nationality: Iranian

### **Contact information:**

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### **Awards:**

- *Awarded prize for the best lecturer in the School of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 1993.*
- *Awarded prize for the best researcher in the School of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 1996.*
- *ORS scholarship to study at the University of Bradford, 1998, 1999, 2000.*
- *IPRS+IPA scholarships to study at the University of Sydney, 2001, 2002, 2003.*
- *Awarded prize from President Khatami, Iranian Scientific Razi Festival, 2000.*
- *The selected young researcher of Eastern Azarbayjan province, 2003.*
- *Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2002.*
- *Awarded prize for the best researcher of the School of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2003.*

- *Director of the best research project of Tabriz University of Medical Sciences, 2004.*
- *Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2005.*
- *Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2006.*
- *Awarded prize from Iranian President, Iranian Scientific Razi Festival, 2007.*
- *Awarded prize for the best researcher of Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2007.*
- *Awarded prize from Iranian Academy of Medical Sciences, 2008.*
- *Leading scientists and engineers of OIC member states (selected by COMSTECH), 2008.*
- *The selected researcher of Eastern Azarbayjan province, 2009.*
- *Director of the best research project of Tabriz University of Medical Sciences, 2009.*
- *Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2010.*
- *Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2011.*
- *The selected researcher of Eastern Azarbayjan province, 2012.*
- *Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2012.*
- *Awarded prize from Iranian President, Iranian Scientific Razi Festival, 2012.*
- *Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2013.*
- *Awarded prize for the best researcher of Tabriz University of Medical Sciences, Tabriz, Iran, 2019.*
- *Awarded prize for the best national researcher at Aboureyhan Research Festival, shahid Beheshti University of Medical Sciences, Tehran, Iran, 2020.*

### **Grants:**

- *More than 200 small research grants from Tabriz University of Medical Sciences since 2017*

*(with the total budget of 34381348526 Rials)*

- *11 Elite research grants from NIMAD (with the total budget of 4000000000 Rials)*
- *One mega project entitled "Metabolomic profiling of exhaled breath condensate samples (EBC) of asthmatic and COPD patients for discovering possible novel biomarkers in order to develop a non-invasive diagnosis procedure using POC based on microchip electrophoresis technology" supported by TUBITAK (Turkey) and NIMAD (Iran) (with the total budget of 9946463400 Rials)*
- *One research grant from INSF (Iran) (budget of 1500000000 Rials)*
- 

### **Academic positions:**

- *Lecturer in Pharmacology, Faculty of Nursing and Midwifery, Tabriz University of Medical Sciences, Tabriz, Iran, 1989-1991.*
- *Lecturer in Pharmaceutical Analysis, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 1991-1997.*
- *Assistant Professor of Pharmaceutical Analysis, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2001-2003.*
- *Associate Professor of Pharmaceutical Analysis, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2003-2007.*
- *Professor of Pharmaceutical Analysis, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2007-.*
- *Professor of Pharmaceutical Engineering, Faculty of Engineering, University of Tehran, Tehran, Iran, 2009-2014.*

### **Research interests:**

- *Prediction of drug solubility in mixed solvent systems*
- *Prediction of drug solubility in supercritical fluids*
- *Application of chemometric approaches in pharmaceutical/analytical sciences*
- *Pharmaceutical and Biomedical analyses of drugs*
- *Development and validation of analytical methods using capillary electrophoresis*

- *Development and validation of analytical methods using HPLC*
- *Development and validation of analytical methods using spectroscopic methods*

**Member of:**

- *Academy of Medical Sciences of I.R. Iran, 2012-*
- *Drug Discovery Committee, National Institute for Medical Research Development, 2015-2021*
- *National Board of Medicinal Chemistry, 2004-2022*
- *National Pharmaceutical Research Network, 2008-*
- *Iranian Pharmaceutical Association, 2010-*
- *Iranian Chemical Society, 1994-*
- *International Association of Biomedical Sciences (IABMS), 2019-*

**Reviewer of:**

- *AAPS Pharm Sci Tech*
- *ACS Applied Materials & Interfaces*
- *Advanced Drug Delivery Reviews*
- *Advances in Colloid and Interface Science*
- *Applied Organometallic Chemistry*
- *Analytica Chimica Acta*
- *Analytical and Bioanalytical Chemistry*
- *Analytical Methods*
- *Asian Journal of Pharmaceutics*
- *Bioanalysis*
- *Biomedical Chromatography*
- *Biopharmaceutics & Drug Disposition*
- *Biosensors & Bioelectronics*
- *Brazilian Journal of Chemical Engineering*
- *British Journal of Clinical Pharmacology*
- *Bulgarian Chemical Communications*
- *Chemical Engineering & Technology*
- *Chemical Industry & Chemical Engineering Quaterly*
- *Chemical and Pharmaceutical Bulletin*
- *Chemical Engineering Research and Design*
- *Chemical Engineering Communications*
- *Chemical Society Reviews*
- *ChemistrySelect*
- *Ciência e Agrotecnologia*
- *DARU*
- *Disease Markers*

- *Drug Delivery*
- *DNA and Cell Biology*
- *Drug Development and Industrial Pharmacy*
- *Electrophoresis*
- *European Journal of Drug Metabolism and Pharmacokinetics*
- *European Journal of Pharmaceutical Sciences*
- *Fuel*
- *IEEE Sensors Journal*
- *IL Farmaco (re-named)*
- *Indian Journal of Pharmaceutical Sciences*
- *Industrial & Engineering Chemistry Research*
- *International Journal of Environmental Analytical Chemistry*
- *International Journal of Pharmaceutics*
- *International Journal of Thermophysics*
- *International Journal of Biomedical Sciences*
- *Iranian Journal of Chemistry and Chemical Engineering*
- *Iranian Journal of Pharmaceutical Research*
- *Iranian Journal of Pharmaceutical Sciences*
- *Journal of Biotechnology*
- *Journal of Breath Research*
- *Journal of CO<sub>2</sub> Utilization*
- *Journal of Energetic Materials*
- *Journal of Enzyme Inhibition and Medicinal Chemistry*
- *Journal of Chemical and Engineering Data*
- *Journal of Chemical Thermodynamics*
- *Journal of Chromatography A*
- *Journal of Chromatography B*
- *Journal of Chromatographic Sciences*
- *Journal of CO<sub>2</sub> Utilization*
- *Journal of Drug Delivery Science and Technology*
- *Journal of Informatics*
- *Journal of the Iranian Chemical Society*
- *Journal of Liquid Chromatography & Related Technologies*
- *Journal of Pharmaceutical Analysis*
- *Journal of Pharmaceutical Sciences*
- *Journal of Pharmacy and Pharmaceutical Sciences*
- *Journal of Photochemistry & Photobiology, B: Biology*
- *Journal of Physical Chemistry*

- *Journal of Physical Science*
- *Journal of Separation Science*
- *Journal of Solution Chemistry*
- *Journal of Supercritical Fluids*
- *Journal of Taibah University for Science*
- *Korean Journal of Chemical Engineering*
- *Latin American Journal of Pharmacy*
- *Materials Research Innovations*
- *Mediterranean Journal of Chemistry*
- *Microchemical Journal*
- *Molecules*
- *Molecular Pharmaceutics*
- *Optical Fiber Technology*
- *Pakistan Journal of Pharmaceutical Sciences*
- *Pedosphere*
- *Personalized Medicine*
- *Pharmazie*
- *Pharmaceutical Biology*
- *Pharmaceutical Research*
- *Physical Chemistry Chemical Physics*
- *Powder Technology*
- *Processes*
- *Renal Failure*
- *Science of the Total Environment*
- *Spectroscopy Letters*
- *Sensors & Diagnostics*
- *Separation and Purification Technology*
- *Separation Science and Technology*
- *Separation Science Plus*
- *Sustainable Chemistry and Pharmacy*
- *Sustainable Materials and Technologies*
- *Talanta*
- *Thermochimica Acta*
- *Toxicology in vitro*

**Member of Editorial Board of:**

- *Founding Editor and Editor in Chief of ImmunoAnalysis (<http://ia.tbzmed.ac.ir>).*

- Editor of Current Pharmaceutical Analysis (<http://www.bentham.org>).
- Journal of Chemical Thermodynamics (<https://www.journals.elsevier.com/the-journal-of-chemical-thermodynamics>) 2017-.
- Iranian Journal of Pharmaceutical Research, 2018- (<http://ijpr.sbm.ac.ir>).
- Journal of Pharmacology and Toxicology ([http://www.academicjournals.net/c4p.php?j\\_id=jpt](http://www.academicjournals.net/c4p.php?j_id=jpt)), - 2008.
- International Journal of Biomedical Sciences (<http://www.ijbs.org>).
- Revista Colombiana de Ciencias Químico Farmacéuticas (<https://revistas.unal.edu.co/index.php/rccquifa/about/editorialTeam>), Scopus indexed.
- Journal of Bioanalytical Techniques (<https://sciforschenonline.org/journals/bioanalytical-techniques/index.php>).
- Global Journal of Respiratory Care (<http://savvysciencepublisher.com/editorial-board-member-girc/>).
- Bioimpacts (<http://www.bi.tbzmed.ac.ir>) 2011-.
- Pharmaceutical Sciences (<http://www.ps.tbzmed.ac.ir>) 2020-.
- World Journal of Pharmacology (<https://www.wjnet.com/2220-3192/editorialboard.htm>) 2021-.
- Journal of Pharmacy and Pharmaceutical Sciences, (<https://journals.library.ualberta.ca/jpps/index.php/JPPS>), 2022-.
- Liquids 2023.
- Integrated Pharmacy Research and Practice (<https://www.tandfonline.com/journals/dipr20>)
- Euroasian journal of Oncology and Medicine <https://www.ejmo.org/Editorial-Board>).

• **Publications in International Journals:**

*H-index: 33, 2017-6-18*

*H-index: 36, 2018-10-18.*

*H-index: 41, 2019-9-10.*

*H-index: 46, 2021-1-15.*

*H-index: 49, 2021-7-15.*

*H-index: 52, 2022-4-14.*

*H-index: 54, 2022-6-20.*

*H-index: 56, 2023-5-4.*

*H-index: 58, 2023-9-10.*

*H-index: 60, 2024-4-10.*

1. *Models for calculating solubility in binary solvent systems, Barzegar-Jalali, M. and Jouyban-Gharamaleki, A., International Journal of Pharmaceutics, 140, 237-246, 1996.*
2. *Comparison of double log-log, mixture response-surface and combined NIBS/Redlich-Kister solubility models, Barzegar-Jalali, M., Jouyban-Gharamaleki, A., Hanaee, J. and Chokhachizadeh-Moghaddam, fM.H., International Journal of Pharmaceutics, 144, 123-126, 1996.*
3. *Modelling of the chameleonic effect in solubility using statistical techniques, Jouyban-Gharamaleki, A. and Barzegar-Jalali, M., Pharmaceutical Sciences, 2, 559-560, 1996.*
4. *Chameleonic effect and some models for predicting drug solubility in solvent mixtures, Jouyban-Gharamaleki, A., Chemical & Pharmaceutical Bulletin, 45, 1383-1384, 1997.*
5. *A general model from theoretical cosolvency models, Barzegar-Jalali, M. and Jouyban-Gharamaleki, A., International Journal of Pharmaceutics, 152, 247-250, 1997.*
6. *A novel method for improvement of predictability of the CNIBS/R-K equation, Jouyban-Gharamaleki, A. and Hanaee, J., International Journal of Pharmaceutics, 154, 245-247, 1997.*
7. *The modified Wilson model and predicting drug solubility in water cosolvent mixtures, Jouyban-Gharamaleki, A., Chemical & Pharmaceutical Bulletin, 46, 1058-1061, 1998.*
8. *Solubility correlation of structurally related drugs in binary solvent mixtures, Jouyban-Gharamaleki, A., Barzegar-Jalali, M. and Acree, W.E. Jr., International Journal of Pharmaceutics, 166, 205-209, 1998.*
9. *Comparison of models for describing multiple peaks in solubility profiles, Jouyban-Gharamaleki, A. and Acree, W.E. Jr., International Journal of Pharmaceutics, 167, 177-182, 1998.*
10. *Comparison of various cosolvency models for calculating solute solubility in water-cosolvent mixtures,*



- Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J. and Acree, W.E. Jr., *International Journal of Pharmaceutics*, 177, 93-101, 1999.
11. Comment concerning: solubility prediction of caffeine in aqueous N,N-dimethylformamide mixtures using the extended Hildebrand solubility approach, Jouyban-Gharamaleki, A. and Acree, W.E. Jr., *International Journal of Pharmaceutics*, 177, 127-128, 1999.
  12. Comments on "Margules equations applied to PAH solubilities in alcohol-water mixtures", Jouyban-Gharamaleki, A., Acree, W.E. Jr. and Clark, B.J., *Environmental Science and Technology*, 33, 1953-1954, 1999.
  13. Calculation of electrophoretic mobilities in water-organic modifier mixtures, Jouyban-Gharamaleki, A., Khaledi, M.G. and Clark, B.J., *Journal of Chromatography A*, 868, 277-284, 2000.
  14. Multiple solubility maxima of oxolinic acid in mixed solvents and a new extension of Hildebrand solubility approach, Jouyban-Gharamaleki, A., Romero, S., Bustamante, P. and Clark, B.J., *Chemical & Pharmaceutical Bulletin*, 48, 175-178, 2000.
  15. Prediction of drug solubility in ternary solvent mixture, Jouyban-Gharamaleki, A., Clark, B.J. and Acree, W.E. Jr., *Drug Development and Industrial Pharmacy*, 26, 971-973, 2000.
  16. Models to predict solubility in ternary solvents based on sub-binary experimental data, Jouyban-Gharamaleki, A., Clark, B.J. and Acree, W.E. Jr., *Chemical & Pharmaceutical Bulletin*, 48, 1866-1871, 2000.
  17. Evaluating prediction ability of different models used for solute solubility calculation in binary solvent systems, Jouyban-Gharamaleki, A., Chan, H.K. and Barzegar-Jalali, M., *Daru*, 8, 8-14, 2000.
  18. Modelling the electrophoretic mobility of basic drugs in aqueous methanolic buffers in capillary electrophoresis, Jouyban, A., Chan, H.K., Khoubnasabjafari, M., Jouyban, N. and Clark, B.J., *Daru*, 9, 1-5, 2001.
  19. A new mathematical model to investigate drug treatment on the overall process of wound healing, Pipelzadeh, M., Jouyban, A., Khodadadi, A. and Naylor, I.L., *Iranian Biomedical Journal*, 5, 61-67, 2001.
  20. Solubility prediction of salmeterol xinafoate in water-dioxane mixtures, Jouyban-Gharamaleki, A., York, P., Hanna, M. and Clark, B.J., *International Journal of Pharmaceutics*, 216, 33-41, 2001.
  21. Solubility prediction for furosemide in water-cosolvent mixtures using the minimum number of experiments, Jouyban-Gharamaleki, A., Dastmalchi, S., Chan, H.K., Hanaee, J., Javanmard, A. and

- Barzegar-Jalali, M., *Drug Development and Industrial Pharmacy*, 27, 577-583, 2001.
22. Calculation of electrophoretic mobility of amines in methanol-aqueous electrolyte systems, Jouyban, A., Batish, A., Rumbelow, S. J. and Clark, B. J., *Analyst*, 126, 1958-1962, 2001.
23. Mathematical representation of electrophoretic mobility in mixed aqueous-methanolic buffers in capillary zone electrophoresis, Jouyban, A., Chan, H.K., Clark, B.J. and Kenndler, E., *Journal of Microcolumn Separation*, 13, 346-350, 2001.
24. Solubility prediction of anthracene in mixed solvents using a minimum number of experimental data, Jouyban, A., Khoubnasabjafari, M., Chan, H.K., Clark, B.J. and Acree Jr., W.E., *Chemical and Pharmaceutical Bulletin*, 50, 21-25, 2002.
25. Mathematical representation of electrophoretic mobility in ternary solvent electrolyte systems, Jouyban, A., Chan, H.K., Khoubnasabjafari, M. and Clark, B.J., *Daru*, 10, 92-97, 2002
26. Non-aqueous capillary electrophoretic analysis of hexetidine in a commercial liquid formulation, Jouyban, A., Ye, J. and Clark, B.J., *Die Pharmazie*, 57, 248-249, 2002.
27. Solubility prediction in supercritical carbon dioxide using minimum number of experimental data, Jouyban, A., Rehman, M., Shekunov, B.Y., Chan, H.K., Clark, B.J. and York, P., *Journal of Pharmaceutical Sciences*, 91, 1287-1295, 2002.
28. A cosolvency model to predict solubility of drugs at several temperatures from a limited number of solubility measurements, Jouyban, A., Romero, S., Chan, H.K., Clark, B.J. and Bustamante, P., *Chemical and Pharmaceutical Bulletin*, 50, 594-599, 2002.
29. Mathematical representation of solute solubility in supercritical carbon dioxide using empirical expressions, Jouyban, A., Chan, H.K. and Foster, N.R., *Journal of Supercritical Fluids*, 24, 19-35, 2002.
30. A model to represent solvent effects on the chemical stability of solutes in mixed solvent systems, Jouyban, A., Chan, H.-K., Barzegar-Jalali, M. and Acree, W.E. Jr., *International Journal of Pharmaceutics*, 243, 167-172, 2002.
31. Calculation of electrophoretic mobility in ternary solvent buffers in capillary zone electrophoresis using a mixture response surface method, Jouyban, A., Grosse, S.C., Coleman, M.W., Chan, H.K., Kenndler, E. and Clark, B.J., *Analyst*, 127, 1188-1192, 2002.
32. Mathematical representation of apparent dissociation constants in aqueous-organic solvent mixtures, Jouyban, A., Chan, H.K., Clark, B.J. and Acree, W.E. Jr., *International Journal of Pharmaceutics*, 246, 135-142, 2002.

33. *Describing solubility of polymorphs in mixed solvents by CNIBS/R-K equation, Jouyban, A. and Clark, B.J., Die Pharmazie, 57, 861-862, 2002.*
34. *Predicting electrophoretic mobility of beta-blockers in water-methanol mixed electrolyte system, Jouyban, A., Khoubnasabjafari, M., Chan, H.K., Altria, K.D. and Clark, B.J., Chromatographia, 57, 191-196, 2003.*
35. *Calculation of electrophoretic mobility in ternary solvent electrolyte systems, Jouyban, A., Chan, H.K., Khoubnasabjafari, M. and Clark, B.J., Journal of Pharmaceutical and Biomedical Analysis, 32, 203-208, 2003.*
36. *A quantitative structure property relationship study of electrophoretic mobility of analytes in capillary zone electrophoresis, Jouyban, A., Yousefi, B.H., Computational Biology and Chemistry, 27, 297-303, 2003.*
37. *An improved empirical model to calculate solute solubility in supercritical carbon dioxide, Jouyban, A., Jabbaribar, F. and Chan, H.K., Die Pharmazie, 58, 396-398, 2003.*
38. *Comments concerning "Solubility of anthracene in two binary solvents containing toluene", Jouyban, A., Acree, W.E. Jr., Fluid Phase Equilibria, 209, 155-159, 2003.*
39. *Mathematical representation of electrophoretic mobility of basic drugs in ternary solvent buffers in capillary zone electrophoresis, Jouyban, A., Grosse, S.C., Chan, H.K., Coleman, M.W. and Clark, B.J., Journal of Chromatography A, 994, 191-198, 2003.*
40. *Comparison of different algorithms to calculate electrophoretic mobility of analytes as a function of binary solvent composition, Jouyban, A., Chan, H.K., Clark, B.J. and Kenndler, E., Electrophoresis, 24, 1596-1602, 2003.*
41. *Electrophoretic behavior of alprenolol in mixed solvent electrolyte systems, Jouyban, A., Khoubnasabjafari, M., Yeghanli, S., Grosse, S.C. and Clark, B.J., Il Farmaco, 58, 1039-1044, 2003.*
42. *Solubility prediction in water-ethanol mixtures based on excess free energy approach using minimum number of experimental data, Jouyban, A., Chan, H.K., Romero, S., Khoubnasabjafari, M. and Bustamante, P., Die Pharmazie, 59, 117-120, 2004.*
43. *A simple relationship between dielectric constant of mixed solvents with solvent composition and temperature, Jouyban, A., Soltanpour, Sh. and Chan, H.K., International Journal of Pharmaceutics, 269, 353-360, 2004.*
44. *Modeling drug solubility in water-cosolvent mixtures using an artificial neural network (ANN), Jouyban,*

- A., Majidi, M.R., Jalilzadeh, H. and Asadpour-Zeynali, K., *IL Farmaco*, 59, 505-512, 2004.
45. *Correlation of surface tension of mixed solvents with solvent composition*, Jouyban, A., Fathi-Azarbayjani, A., Barzegar-Jalali, M. and Acree, W.E. Jr., *Die Pharmazie*, 59, 937-941, 2004.
  46. *Solubility prediction of anthracene in binary and ternary solvents by artificial neural networks (ANNs)*, Jouyban, A., Majidi, M.R., Jabbaribar, F. and Asadpour-Zeynali, K., *Fluid Phase Equilibria*, 255, 133-139, 2004.
  47. *Surface tension calculation of mixed solvents with respect to solvent composition and temperature by using Jouyban-Acree model*, Jouyban, A., Fathi Azarbayjani, A. and Acree, Jr. , W. E., *Chemical and Pharmaceutical Bulletin*, 52, 1219-1222, 2004.
  48. *Modeling the entrainer effects on solubility of solutes in supercritical carbon dioxide*, Jouyban, A., Khoubnasabjafari, M. and Chan, H.K., *Chemical & Pharmaceutical Bulletin*, 53, 290-295, 2005.
  49. *Modeling acid dissociation constant of analytes in binary solvents at various temperatures using Jouyban-Acree model*, Jouyban, A., Soltani, S., Chan, H.K., Acree, W.E. Jr., *Therimochimica Acta*, 428, 119-123, 2005.
  50. *Modeling the electrophoretic mobility of beta-blockers in capillary electrophoresis using artificial neural networks*, Jouyban, A., Majidi, M.R. and Asadpour-Zeynali, K., *Il Farmaco*, 60, 255-259, 2005.
  51. *Calculation of the viscosity of binary liquids at various temperatures using Jouyban-Acree model*, Jouyban, A., Khoubnasabjafari, M., Vaez-Gharamaleki, Z., Fekari, Z. and Acree, WE Jr., *Chemical and Pharmaceutical Bulletin*, 53, 519-523, 2005.
  52. *Genetic algorithm based potential selection in simultaneous voltammetric determination of isoniazid and hydrazine by using partial least squares (PLS) and artificial neural networks (ANNs)*, Majidi, MR, Jouyban, A, Asadpour-Zeynali, K., *Electroanalysis*, 17, 915-918, 2005.
  53. *A unified cosolvency model for calculating solute solubility in mixed solvents*, Jouyban, A., Chew, N.Y.K., Chan, H.K., Sabour, M and Acree, W.E. Jr., *Chemical & Pharmaceutical Bulletin*, 53, 634-637, 2005.
  54. *Mathematical representation of solute solubility in a binary mixture of supercritical fluids by using Jouyban-Acree model*, Jouyban, A., Khoubnasabjafari, M. and Acree Jr., W.E., *Die Pharmazie*, 60, 527-529, 2005.
  55. *Mathematical representation of the density of liquid mixtures at various temperatures using Jouyban-Acree model*, Jouyban, A., Fathi Azarbayjani, A, Khoubnasabjafari, M. and Acree, Jr. , W. E., *Indian Journal of Chemistry A*, 44, 1553-1560, 2005.

56. *Prediction of the retention factor in micellar electrokinetic chromatography using computational descriptors and an artificial neural network*, Jouyban, A., Jalilzadeh, H. Yeghanli, S. and Asadpour-Zeynali, K., *Polish Journal of Chemistry*, 79,1565-1574, 2005.
57. *Modelling the electrophoretic mobility of analytes in binary solvent electrolyte systems in capillary electrophoresis using artificial neural network*, Jouyban, A., Majidi, M.R., Altria, K.D., Clark, B.J., Asadpour-Zeynali, K., *Die Pharmazie*, 60, 656-660, 2005.
58. *A simple spectrophotometric method for determination of sodium diclofenac in pharmaceutical formulations*, Matin, A.A., Farajzadeh, M.A., Jouyban, A., *Il Farmaco*, 60, 855-858, 2005.
59. *Modeling of retention factors of analytes in chromatography with ternary solvent mobile phases*, Jouyban, A., Vaez-Gharamaleki, Z., Matin, A.A., Djozan, Dj., Acree W.E. Jr., *Chemical Analysis (Warsaw)*, 50, 981-989, 2005.
60. *Mathematical representation of analyte's capacity factor in binary solvent mobile phases using Jouyban-Acree model*, Jouyban, A., Rashidi, M.R., Vaez-Gharamaleki, Z., Matin, A.A., Djozan, Dj., *Die Pharmazie*, 60, 827-829, 2005.
61. *Mathematical representation of solubility of electrolytes in binary solvent mixtures using Jouyban-Acree model*, Khoubnasabjafari, M., Jouyban, A., Acree, Jr. W.E., *Chemical and Pharmaceutical Bulletin*, 53, 1591-1593, 2005.
62. *Theoretical and empirical approaches to express the mobility of small ions in capillary electrophoresis*, Jouyban, A., Kenndler, E., *Electrophoresis*, 27, 992-1005, 2006.
63. *Modeling the solvatochromic parameter ( $E_T^N$ ) of mixed solvents with respect to solvent composition and temperature using Jouyban-Acree model*, Jouyban, A., Khoubnasabjafari, M. and Acree, W.E. Jr., *Daru*, 14, 22-25, 2006.
64. *Solubility prediction of paracetamol in binary and ternary solvent mixtures using Jouyban-Acree model*, Jouyban, A., Chan, H.K., Chew, N.Y.K., Khoubnasabjafari, M and Acree, W.E. Jr., *Chemical and Pharmaceutical Bulletin*, 54, 428-431, 2006.
65. *Voltammetric behavior and determination of isoniazid in pharmaceuticals by using overoxidized polypyrrole glassy carbon modified electrode*, Majidi, M.R., Jouyban, A., Asadpour-Zeynali, K., *Journal of Electroanalytical Chemistry*, 589, 32-37, 2006.

66. *Refractive index correlation of solvent mixtures at various temperatures*, Jouyban, A., Soltani, S., Khoubnasabjafari, M., Acree Jr., W.E., *Asian Journal of Chemistry*, 18, 2037-2040, 2006.
67. *Solubility prediction of salicylic acid in water-ethanol-propylene glycol mixtures using Jouyban-Acree model*, Jouyban, A., Chew., N.Y.K., Chan, H.K., Khoubnasabjafari, M., Acree, W.E. Jr., *Die Pharmazie*, 61, 318-321, 2006.
68. *Correlation of capacity factor of analytes in quaternary solvent mobile phases using Jouyban-Acree model*, Hanaee, J., Jouyban, A., Rashidi, M.R., Esnaashari, S., Acree, W.E. Jr., *Die Pharmazie*, 61, 417-419, 2006.
69. *Phenobarbital and phenytoin serum levels in children with status epilepticus and refractory status epilepticus candidate for midazolam infusion*, Barzegar, M., Rashidi, M.R., Jafari Rouhi, A.H., Jouyban, A. Jabbaribar, F. Melekian, A., *Child Neurology (Medimond Proceedings)*, 1-4, 2006.
70. *Simultaneous voltammetric determination of cysteine, tyrosine and tryptophan by using principal component-artificial neural networks (PC-ANNs)*, Majidi, M.R., Jouyban, A., Abdollahi, H., Asadpour-Zeynali, K., *Asian Journal of Chemistry*, 18, 2445-2457, 2006.
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5. *Medicinal organosilicon compounds*, Blourtchian, S.M. and Jouyban-Gharamaleki, A., 4<sup>th</sup> Iranian Pharmaceutical Congress, Tabriz, October 1992.
6. *Anthropometric measurements of new born infants in Tabriz, Oromieh and Zanzan*, Milani, S., Jouyban-Gharamaleki, A., Pourabdolahi, P. and Ghaemmaghami, J., 2<sup>nd</sup> Iranian Congress of Nutrition, Tabriz, November 1992.
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8. *Formulation and physicochemical stability of acetaminophen suspension*, Barzegar-Jalali, M., Jouyban-Gharamaleki, A., Hanaee, J., Kalantarian, S.M. and Ghamari-Khamneh, S., Fifth Iranian Conference of Pharmaceutical Sciences, Tehran, August 1997.
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13. *Optimization of solvent composition of the running buffer in capillary electrophoresis*, Jouyban, A., 8<sup>th</sup> Iranian Conference of Pharmaceutical Sciences, Shiraz, September 2002.
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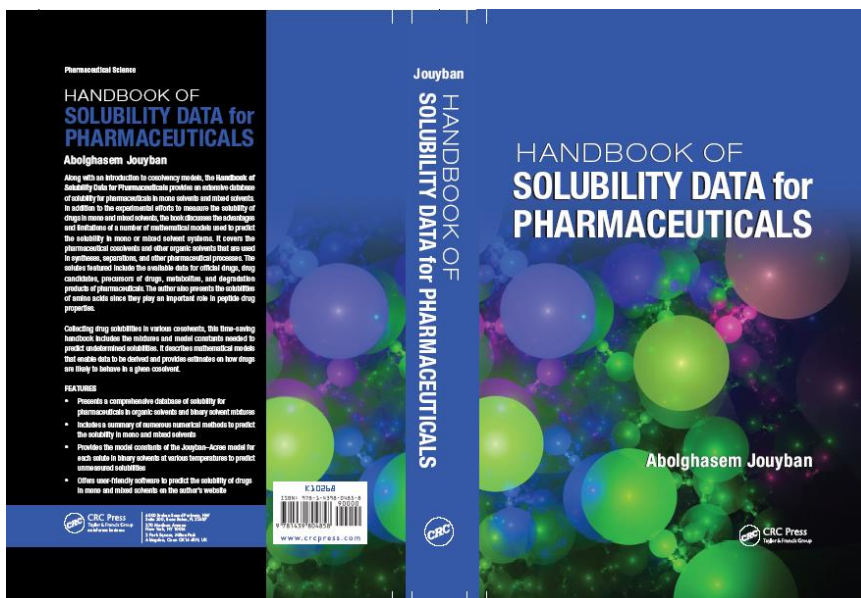
99. *Effect of pioglitazone on plasma concentration of phenytoin on subchronic concurrent use*, Zolali, E., Ghavimi, H., Shayanfar, A., Samini, M., Jouyban, A., 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Iran, September 2012.

*Number of papers co-authored by international colleagues (until Sept 2016):*

<i>Country</i>	<i>No. of joint papers</i>
<b><i>United States</i></b>	<b>103</b>
<b><i>Colombia</i></b>	<b>40</b>
<b><i>United Kingdom</i></b>	<b>38</b>
<b><i>Australia</i></b>	<b>27</b>
<b><i>Austria</i></b>	<b>10</b>
<b><i>Spain</i></b>	<b>8</b>
<b><i>Greece</i></b>	<b>3</b>
<b><i>Egypt</i></b>	<b>2</b>
<b><i>Kuwait</i></b>	<b>2</b>
<b><i>Germany</i></b>	<b>1</b>
<b><i>Grenada</i></b>	<b>1</b>
<b><i>India</i></b>	<b>1</b>
<b><i>Japan</i></b>	<b>1</b>
<b><i>Malaysia</i></b>	<b>1</b>
<b><i>Singapore</i></b>	<b>1</b>
<b><i>Sweden</i></b>	<b>1</b>
<b><i>Tunisia</i></b>	<b>1</b>

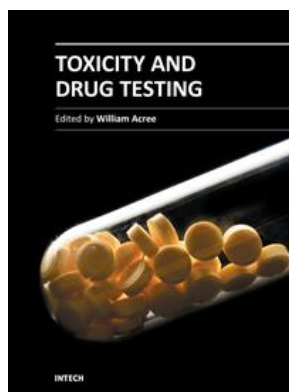
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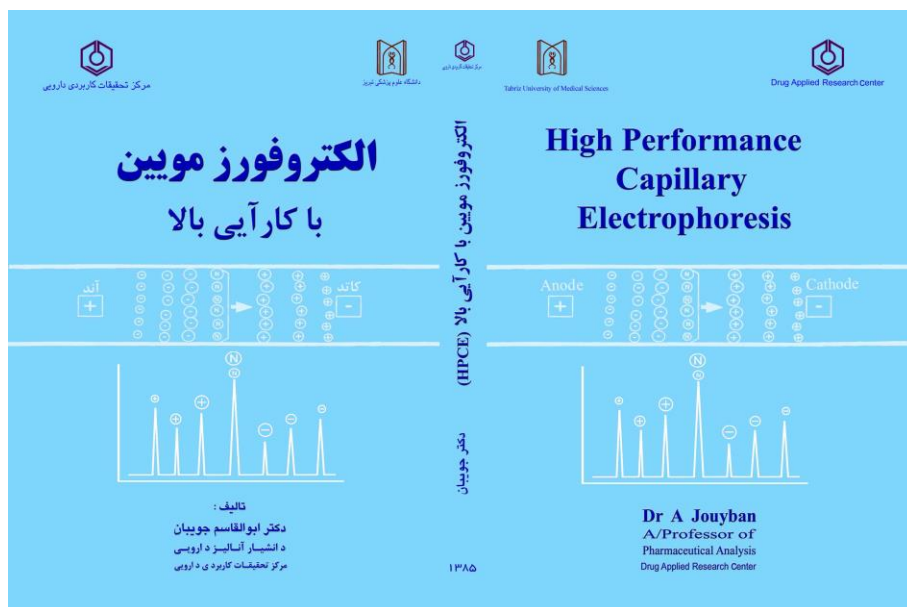


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1. *Pharmacology* (Woodbury and Stickt), Jouyban-Gharamaleki, A. and Samini, M., Tabriz, Iran, 1990.
2. *High performance liquid chromatography* (Lindsay, S.), Djozan, Dj., Hanaee, J., Jouyban-Gharamaleki, A. and Dastmalchi, S., Tabriz, Iran, 1996.

**Teaching activities:**

1. *General Chemistry*
2. *Analytical Chemistry*
3. *Pharmaceutical Analysis*
4. *Medicinal Chemistry*

**Research activities:**

1. *Extension of the computational methods to predict physico-chemical properties (including solubility) of drug/drug like molecules*
2. *Preparation of a computer software to predict solubility of drugs in mixed solvent systems*
3. *Investigations on the quantitative structure property relationships (QSPRs) of drug candidates*
4. *Development of analytical methods using HPLC and HPCE for pharmaceutical/biomedical analyses of drug candidates.*

*Cited articles in the books:*

<i>No.</i>	<i>Authors of the cited article</i>	<i>Cited article</i>	<i>Page citing the article</i>	<i>Editor or author of the book</i>	<i>Date of publication of the book</i>	<i>Publisher of the book</i>	<i>Book citing the article</i>
1	Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J. and Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 177, 93-101, 1999.	212, 430	Ruckenstein, E., Shulgin, L.	2009	Springer	<i>Thermodynamics of solutions. From gases to pharmaceuticals to proteins</i>
2	Jouyban-Gharamaleki, A. and Barzegar-Jalali, M.,	<i>International Journal of Pharmaceutics</i> , 140, 237-246, 1997.	430	Ruckenstein, E., Shulgin, L.	2009	Springer	<i>Thermodynamics of solutions. From gases to pharmaceuticals to proteins</i>
3	Jouyban, A., Romero, S., Chan, H.K., Clark, B.J. and Bustamante, P.	<i>Chemical and Pharmaceutical Bulletin</i> , 50, 594-599, 2002	430	Ruckenstein, E., Shulgin, L.	2009	Springer	<i>Thermodynamics of solutions. From gases to pharmaceuticals to proteins</i>
4	Shaghaghi, M., Manzoori, J.L., Jouyban, A.	<i>Food Chemistry</i> , 108, 695-701, 2008.	1708	Li, D., Zhao, C.	2009	Springer	<i>Computers and computer technology in agriculture II, vol. 3</i>
5	Majidi, M.R., Jouyban, A. Asadpour-Zeynali, K.	<i>Electrochimica Acta</i> , 52, 6248-6253, 2007	566	Zhang, J. Liu, H.	2009	Wiley-VCH	<i>Electroanalysis of direct methanol fuel cells</i>
6	Jouyban-Gharamaleki, A	<i>Chemical &amp; Pharmaceutical Bulletin</i> , 46, 1058-1061, 1998.	1014	Wypych, G	2000	ChemTech publishing	<i>Handbook of Solvents</i>
7	Jouyban, A., Rehman, M., Shekunov, B.Y., Chan, H.K., Clark, B.J. and York, P.	<i>Journal of Pharmaceutical Sciences</i> , 91, 1287-1295, 2002.	266	Brunner, G.	2004	Elsevier	<i>Supercritical Fluids as Solvents and Reaction Media</i>
8	Jouyban, A., Chan, H.K. and Foster, N.R.	<i>Journal of Supercritical Fluids</i> , 24, 19-35, 2002	52	Peter York, Uday B. Kompella, Boris Shekunov	2004	Dekker	<i>Supercritical Fluid Technology for Drug Product Development (Drugs and the Pharmaceutical Sciences: a Series of Textbooks and Monographs)</i>



9	Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J. and Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 177, 93-101, 1999.	19	Chi-Jen Lee, Lucia H Lee, Christopher L Wu, Benjamin R Lee, Mei-Ling Chen	2006	CRC Press	<i>Clinical Trials of Drugs and Biopharmaceuticals</i>
10	Jouyban-Gh., A., Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 167, 177-182, 1998.	44	Carstensen, J.	2001	Marcel Dekker	<i>Advanced Pharmaceutical Solids</i>
11	Barzegar-Jalali, M., Jouyban-Gh., A.	<i>International Journal of Pharmaceutics</i> , 140, 237-246, 1996	44	Carstensen, J.	2001	Marcel Dekker	<i>Advanced Pharmaceutical Solids</i>
12	Jouyban-Gh., A., Hanaee, J	<i>International Journal of Pharmaceutics</i> , 154, 245-247, 1997	44	Carstensen, J.	2000	Marcel Dekker	<i>Advanced Pharmaceutical Solids</i>
13	Barzegar-Jalali, M., Jouyban-Gh., A.	<i>International Journal of Pharmaceutics</i> , 152, 247-250, 1997	179	Swarbrick, J., Boylan, J.C.	1999	Marcel Dekker	<i>Encyclopedia of Pharmaceutical Technology</i> , Vol. 18
14	Jouyban, A., Rehman, M., Shekunov, B.Y., Chan, H.K., Clark, B.J. and York, P.	<i>Journal of Pharmaceutical Sciences</i> , 91, 1287-1295, 2002.	14	York, P., Kompella, U.B., Shekunov, B.Y.	2004	Marcel Dekker	<i>Supercritical fluid technology for drug product development</i>
15	Jouyban, A., Chan, H.K. and Foster, N.R.	<i>Journal of Supercritical Fluids</i> , 24, 19-35, 2002	16	Marcus, Y.	2004	Marcel Dekker	<i>Ion Exchange and Solvent Extraction: A Series of Advances</i>
16	Jouyban-Gharamaleki, A., Clark, B.J. and Acree, W.E. Jr.	<i>Chemical &amp; Pharmaceutical Bulletin</i> , 48, 1866-1871, 2000	250	Marcus, Y.	2002	Marcel Dekker	<i>Solvent Mixtures: Properties and selective solvation</i>
17	Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J. and Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 177, 93-101, 1999.	411	Borchardt, R.T., Kerns, E.H., Lipinski, C.A., Thakker, D.R., Wang, B.	2004	AAPS press	<i>Biotechnology: Pharmaceutical Aspects. Pharmaceutical Profiling In Drug Discovery For Lead Selection</i>
18	Barzegar-Jalali, M., Jouyban-Gh., A.	<i>International Journal of Pharmaceutics</i> , 152, 247-250, 1997	2480	Swarbrick, J., Boylan, J.C.	2002	Marcel Dekker	<i>Encyclopedia of Pharmaceutical Technology</i> , Vol. 3, 2 <sup>nd</sup> Edition

19	Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J. and Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 177, 93-101, 1999.	2480	Swarbrick, J., Boylan, J.C.	2002	Marcel Dekker	<i>Encyclopedia of Pharmaceutical Technology</i> , Vol. 3, 2 <sup>nd</sup> Edition
20	Jouyban-Gh., A., Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 167, 177-182, 1998.	2480	Swarbrick, J., Boylan, J.C.	2002	Marcel Dekker	<i>Encyclopedia of Pharmaceutical Technology</i> , Vol. 3, 2 <sup>nd</sup> Edition
21	Jouyban-Gharamaleki, A., Valaee, L., Barzegar-Jalali, M., Clark, B.J., Acree, W.E. Jr.	<i>International Journal of Pharmaceutics</i> , 177, 93-101, 1999.	82	Lundblad, R. L.	2007		<i>Biochemistry and Molecular Biology Compendium</i>
22	Jouyban, A., Soltanpour, Sh. and Chan, H.K.	<i>International Journal of Pharmaceutics</i> , 269, 353-360, 2004.	271	Sakai, K., Hirayama, N., Tamura, R.	2007		<i>Novel Optical Resolution Technologies (Topics in Current Chemistry)</i>
23	Jouyban, A., Batish, A., Rumbelow, S. J., Clark, B. J.	<i>Analyst</i> , 126, 1958-1962, 2001.	556	Molnar-Perl, I.	2005		<i>Quantitation of Amino Acids and Amines by Chromatography</i> , Vol. 70: <i>Methods and Protocols (Journal of Chromatography Library)</i>
24	Jouyban, A., Chan, H.K., Foster, N.R.	<i>Journal of Supercritical Fluids</i> , 24, 19-35, 2002.	79	Gupta, R. B., Kompella, U. B.	2006		<i>Nanoparticle Technology for Drug Delivery (Drugs and the Pharmaceutical Sciences)</i>
25	Jouyban, A., Majidi, M.R., Jalilzadeh, H. and Asadpour-Zeynali, K.	<i>Il Farmaco</i> , 60, 255-259, 2005.	55	Liu, R	2008	CRC Press	<i>Water-insoluble drug formulation</i>
26	Jouyban, A., Chan, H.K., Chew, N.Y.K., Khoubnasabjafari, M and Acree, W.E. Jr.	<i>Chemical and Pharmaceutical Bulletin</i> , 54, 428-431, 2006	245	Georgiadi s, M.C., Banga, J.R., Pistikopoulos, E.N.	2011	Wiley-VCH	<i>Dynamic Process Modelling</i>
27	Jouyban, A., Khoubnasabjafari, M., Chan, H.K., Clark, B.J. and Acree Jr., W.E.	<i>Chemical and Pharmaceutical Bulletin</i> , 50, 21-25, 2002	61	Gonzalez, E., Ma, G.		USC	<i>Enzymatic Degradation of Polycyclic Aromatic Hydrocarbons (PAHs)</i>
28	Jouyban, A., and Kenndler, E.	<i>Electrophoresis</i> , 29, 3531-3551, 2008	94	Diekmann, J.	2011	Druck and Bindung	<i>Coupling of Capillary Electrophoresis with Nuclear magnetic Resonance</i>

*List of PhD graduates:*

<b>No.</b>	<b>Candidate name</b>	<b>Field of study</b>	<b>Other supervisors</b>	<b>Date</b>	<b>Recent position</b>
1	<i>Karim Assadpour-Zeynali</i>	<i>Analytical Chemistry</i>	<i>Dr. M.R. Majidi</i>	2005	<i>Associate Prof., Tabriz University</i>
2	<i>Farnaz Jabbaribar</i>	<i>Pharmaceutics</i>	<i>Dr. S.A.R. Mortazavi</i>	2009	<i>Researcher, Pharmaceutical Industry, Canada</i>
3	<i>Amir Reza Karami-Bonari</i>	<i>Pharmaceutical Sciences</i>	-	2009	<i>Assistant Prof., Islamic Azad University of Tabriz</i>
4	<i>Masoumeh Shaghghi</i>	<i>Analytical Chemistry</i>	<i>Dr. J. Manzoori</i>	2009	<i>Assistant Prof., Payame Noor University Tabriz</i>
5	<i>Shahla Soltanpour</i>	<i>Pharmaceutical Chemistry</i>	-	2011	<i>Assistant Prof., Zanjan University of Medical Sciences</i>
6	<i>Somaieh Soltani</i>	<i>Pharmaceutical Chemistry</i>	-	2011	<i>Associate Prof., Tabriz University of Medical Sciences</i>
7	<i>Ali Shayanfar</i>	<i>Pharmaceutical Chemistry</i>	-	2013	<i>Assistant Prof., Tabriz University of Medical Sciences</i>
8	<i>Elnaz Tamizi</i>	<i>Pharmaceutical Control</i>	-	2014	<i>Assistant Prof., Tabriz University of Medical Sciences</i>
9	<i>Mohammad Hassanzadeh</i>	<i>Pharmaceutical Analysis</i>	<i>Dr. M.H. Pournaghi-Azar</i>	2014	<i>Assistant Prof., Tabriz University of Medical Sciences</i>
10	<i>Rana Fazeli-Bakhtiyari</i>	<i>Analytical Chemistry</i>	<i>Dr. M.H. Sorouraldin</i>	2015	<i>Post-doc, Mashhad University of Medical Sciences</i>
11	<i>Samin Hamidi</i>	<i>Pharmaceutical Chemistry</i>		2015	<i>Researcher, Tabriz University of Medical Sciences</i>
12	<i>Zeinab Mirzaei-Kalar</i>	<i>Inorganic Chemistry</i>	<i>Dr. A.A. Khandar</i>	2017	<i>Post-doc, University of Tabriz</i>
13	<i>Laleh Samini</i>	<i>Analytical Chemistry</i>	<i>Dr. P. Abroumand</i>	2019	<i>Researcher, R &amp; D, Jaber Ebn Hayan Pharmaceutical Co., Tehran, Iran</i>
14	<i>Behrouz Seifynezhad</i>	<i>Pharmaceutical Chemistry</i>	<i>Dr. S. Ozkan</i>	ongoing	<i>Post-Doc, Pharmaceutical Analysis Research Center</i>
15	<i>Rokhsareh Ebrahimi</i>	<i>Pharmaceutical Chemistry</i>	<i>Dr. M.R. Rashidi</i>	ongoing	
16	<i>Zahra Karimzadeh</i>	<i>Pharmaceutical chemistry</i>	<i>Dr. E. Rahimpour</i>	ongoing	
17	<i>Zhara Golsanamlou</i>	<i>Pharmaceutical chemistry</i>	<i>Dr. J. Soleymani</i>	ongoing	
18	<i>Mir Saleh Hosseini-Nezhad</i>	<i>Pharmaceutical chemistry</i>	<i>Dr. E. Rahimpour</i>	ongoing	

*List of PharmD and/or MSc graduates supervised and/or co-supervised:*

<b>No.</b>	<b>Candidate name</b>	<b>Field of study</b>	<b>Other supervisors</b>	<b>Date</b>	<b>Recent position</b>
1	Mozhgan Rahimi	Pharmacy	Dr. J. Hanaee	1995	Community pharmacist
2	Somaieh Soltani	Pharmacy	-	2003	Associate Prof., Tabriz University of Medical Sciences
3	Shahla Soltanpour	Pharmacy	-	2003	Assistant Prof., Zanjan University of Medical Sciences
4	Anahita Fathi-Azarbayjani	Pharmacy	-	2003	Assistant Prof., Urmia University of Medical Sciences
5	Rogahyeh Ghassemi	Pharmacy	Dr. H. Babaei	2004	Community pharmacist
6	Samira Yeghanli	Pharmacy	-	2004	Community pharmacist
7	Hasan Jalilzadeh	Pharmacy	-	2006	Community pharmacist
8	Amir Separham	Pharmacy	Dr. M.A. Eghbal	2006	Community pharmacist
9	Ebrahim Azadnia	Analytical Chemistry	Dr. Dj. Djozan, Dr. M. Mohammadzadeh	2006	PhD candidate
10	Elnaz Tamizi	Pharmacy	-	2007	Assistant Prof., Tabriz University of Medical Sciences
11	Ali Shayanfar	Pharmacy	-	2009	Assistant Prof., Tabriz University of Medical Sciences
12	Mohammad A.A. Fakhree	Pharmacy	-	2009	PhD Candidate
13	Jafar Soleymani	Analytical Chemistry	Dr. J. Manzoori	2009	Assistant Prof. Pharmaceutical analysis Research Center
14	Vahid Panahi-Azar	Analytical Chemistry	Dr. J. Manzoori	2009	Research Associate, Drug Applied Research Center
15	Hamed Maljaei	Pharmacy	-	2010	Community pharmacist
16	Nasser Soltani	Analytical Chemistry	Dr. J. Manzoori	2011	
17	Amir Ramezani-Moghadam	Analytical Chemistry	Dr. J. Manzoori	2011	PhD candidate
18	Shadi H. Eghrary	Pharmaceutical Engineering	-	2011	PhD candidate
19	Parastoo M. Andashti	Analytical Chemistry	Dr. DJ. Djozan	2011	
20	Fahime Iranmanesh	Analytical Chemistry	Dr. DJ. Djozan	2012	
21	Aram Khalili	Pharmacy	Dr. H. Hamishekar	2012	Community pharmacist
22	Monireh Zamani-Kalajahi	Analytical Chemistry	Dr. M. Amiri	2012	PhD candidate, Azarbaijan University, Tabriz
23	Farzad Farajbakhsh	Analytical Chemistry	Dr. J. Manzoori	2012	
24	Akbar Rezazadeh	Analytical Chemistry	Dr. J. Manzoori	2012	
25	Faroukh Sardari	Pharmaceutical Engineering	-	2012	
26	Azam Assadi	Analytical Chemistry	Dr. DJ. Djozan	2012	
27	Ronak Ramezani	Analytical Chemistry	Dr. DJ. Djozan	2013	
28	Mehdi Khoshbakht	Pharmacy	Dr. H. Hamishekar	2012	Community pharmacist
29	Roghayeh Amini	Analytical Chemistry	Dr. M. Abdolmohammadzadeh	2012	PhD candidate, Tabriz University
30	Masoumeh Abbasi	Pharmacy	-	2015	
31	Siavash Tatardar	Pharmacy	Dr. S. Soltani	2015	

32	<i>Mahdis Mohammadzade</i>	<i>Pharmacy</i>	<i>Dr. M. Barzegar-Jalali</i>	<i>2015</i>	<i>Community pharmacist</i>
33	<i>Sahel Vahdati</i>	<i>Pharmacy</i>	-	<i>2015</i>	<i>PhD candidate, University of Bonn</i>
34	<i>Nastaran Hashemzade</i>	<i>Pharmacy</i>	<i>Dr. N. Shadjou</i>	<i>2015</i>	<i>PhD candidate</i>
35	<i>Fariba Pourkarim</i>	<i>Pharmacy</i>		<i>2017</i>	
36	<i>Fatemeh Keramatnia</i>	<i>Pharmacy</i>	<i>Dr. A. Shayanfar</i>	<i>2015</i>	<i>PhD candidate</i>
37	<i>Abdolrahman Khezri</i>	<i>Pharmacy</i>	<i>Dr. A. Shayanfar</i>		
38	<i>Arezo Mabhoot</i>	<i>Pharmacy</i>	-	<i>2015</i>	<i>Community pharmacist</i>
39	<i>Sarah Nozohouri</i>	<i>Pharmacy</i>		<i>2016</i>	<i>Community pharmacist</i>
40	<i>Faezeh Hossini-Pirhayati</i>	<i>Pharmacy</i>	<i>Dr A. Shayanfar</i>	<i>2017</i>	
41	<i>Afra Rezagholizadeh</i>	<i>Pharmacy</i>	<i>Dr A. Shayanfar</i>	<i>2017</i>	
42	<i>Saba Ershadi</i>	<i>Pharmacy</i>	<i>Dr A. Shayanfar</i>	<i>2018</i>	
43	<i>Monireh Babaei</i>	<i>Pharmacy</i>	<i>Dr A. Shayanfar</i>	<i>2018</i>	
44	<i>Fatemeh Saadatfar</i>	<i>Pharmacy</i>	<i>Dr A. Shayanfar</i>	<i>2018</i>	
45	<i>Esmail Mohamadian</i>	<i>Pharm Chem</i>	<i>Dr A. Shayanfar</i>	<i>2018</i>	<i>PhD candidate in Medicinal Chemistry, Tehran Uni Med Sci</i>
46	<i>Mohammadali Tarfiei</i>	<i>Pharm Chem</i>	<i>Dr A. Bavili</i>	<i>2019</i>	
47	<i>Parastoo Mohamadalizadeh</i>	<i>Pharmacy</i>	<i>Dr M. Hasanzadeh</i>	<i>2019</i>	
48	<i>Shahrzad Moaatar</i>	<i>Pharmacy</i>	<i>Dr A. Shayanfar</i>	<i>2019</i>	
49	<i>Hamid Sargazi</i>	<i>Pharm Chem</i>	<i>Dr E. Tamizi</i>	<i>2019</i>	
50	<i>Nahal Rahimi-Ardabili</i>	<i>Pharmacy</i>	<i>Dr A. Shayanfar</i>	<i>Ongoing</i>	
51	<i>Maryam Niknafs</i>	<i>Pharmacy</i>	<i>Dr A. Shayanfar</i>	<i>Ongoing</i>	
52	<i>Saba Sabouri</i>	<i>Pharmacy</i>	<i>Dr A. Shayanfar</i>	<i>Ongoing</i>	
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