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Dr Jouyban's Home Page

Curriculum Vitae:

Dr Abolghasem Jouyban is graduated in Pharmacy from Tabriz Univesity of Medical Sciences, Tabriz-Iran in 1989 and received his PhD in Pharmaceutical Analysis from Institute of Pharmaceutical Innovations, School of Life Sciences, University of Bradford, Bradford-UK in 2001.

He currently teaches Pharmaceutical/Analytical Chemistry for Pharmacy students, in Tabriz University of Medical Sciences.

Dr Jouyban has been awarded Prizes for the Best Lecturer in 1993 and for the Best Researcher in 1996 in the School of Pharmacy of Tabriz University of Medical Sciences. He got ORS Scholarship to study at the University of Bradford in 1998. In Iranian Scientific Razi Festival, 2000 he also has been awarded a Prize from President Khatami. He was the best researcher of Tabriz University of Medical Sciences in 2003, 2005 & 2006, and director of the best research project in Tabriz University of Medical Sciences in 2004, 2005 & 2006.

Dr Jouyban has gained Third Rank of 12th Razi festival in Pharmacy (Basic Sciences Research), 2006; Dec, Tehran-Iran and he has been awarded from President Ahmadinejhad.

Current research programs:

Prediction of Drug Solubility in Mixed Solvent Systems

Prediction of Electrophoretic Mobility in Mixed Solvent Electrolyte Systems in Capillary Zone Electrophoresis

Prediction of Drug Solubility in Supercritical Fluids

Method Development for Analysis of Pharmaceuticals Using Capillary Electrophoresis and High Performance Liquid Chromatography

Research Eperiences:

Mathematical representation of surface tension of mixed solvents

Modelling of entrainer effects on the solubility of solutes in supercritical carbon dioxide

Mathematical representation of the ratios of organic modifiers on retention of some CNS drugs in HPLC

Preparation of a new solid phase micro extraction fiber, and its applications in determination of solvents residuals in pharmaceuticals by capillary gas chromatography

Preparation of a new potentiometric sensor for determination of bisacodyl in pharmaceutical formulations

Comparison of publication status in international journals from some Iranian Medical Sciences Universities, 1992-2002

Mathematical representation of dielectric constants in mixed solvents

Modelling drug solubility in binary solvents using artificial neural networks

A comparative study of mathematical models for calculating density and its variations on the solubility prediction of drugs in supercritical carbon dioxide

A QSPR study of drug's electrophoretic mobility in capillary electrophoresis

A new spectrophotometric method for determination of sodium diclofenac in pharmaceutical formulations

Assessment of physician and pharmacist's comments on some dosage forms produced by different domestic companies to propose applied research projects in order to enhance quality of pharmaceutical products

Mathematical representation of viscosity of solvent mixtures

Publications

International Journals:

Jouyban A, Khoubnasabjafari M, Hamidi AA, Acree Jr WE. Ab initio solubility prediction of non-electrolytes in ternary solvents using a combination of Jouyban-Acree and Abraham models. Asian Journal of Chemistry. in press

Jouyban A, Ahmadi H, Soltani S. Predicting electrophoretic mobility of amino acids and small peptides using computational descriptors. Asian Journal of Chemistry. 2008; 20: 1148-1152.

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Majidi MR, Jouyban A, Asadpour-Zeynali K. Voltammetric behavior and determination of isoniazid in pharmaceuticals by using overoxidized polypyrrole glassy carbon modified electrode. Journal of Electroanalytical Chemistry. 2006 Oct; 589: 32-37.

Majidi MR, Jouyban A, Abdollahi H, Asadpour-Zeynali K. Simultaneous voltammetric determination of cysteine, tyrosine and tryptophan by using principal component-artificial neural networks (PC-ANNs). Asian Journal of Chemistry. 2006 Oct; 18: 2445-2457.

Jouyban A, Khoubnasabjafari M, Chan H.K, Acree Jr WE. Mathematical representation of solubility of amino acids in binary aqueous-organic solvent mixtures at various temperatures using Jouyban-Acree model. Die Pharmazie. 2006 Sep; 61: 789-792.

Jouyban A, Khoubnasabjafari M, Acree Jr WE. Predicting solubility of anthracene in non-aqueous solvent mixtures using a combination of Jouyban-Acree and Abraham models. Chemical and Pharmaceutical Bulletin. 2006 Aug; 54: 1124-1130.

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Barzegar M, Rashidi MR, Jafari Rouhi, AH, Jouyban A, Jabbaribar F, Melekian A. Phenobarbital and phenytoin serum levels in children with status epilepticus and refractory status epilepticus candidate for midazolam infusion. Child Neurology (Medimond Proceedings). 2006 Jun; 1-4.

Jouyban A, Khoubnasabjafari M, Acree Jr WE. Solubility prediction of anthracene in non-aqueous solvent mixtures using a combination of Jouyban-Acree and Abraham models. Canadian Journal of Chemistry. 2006 Jun: 54: 874-885.

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Jouyban A, Chan HK, Chew NYK, Khoubnasabjafari M, Acree WE Jr. Solubility prediction of paracetamol in binary and ternary solvent mixtures using Jouyban-Acree model. Chemical & Pharmaceutical Bulletin. 2006 Apr; 54: 428-431.

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Jouyban A, Vaez-Gharamaleki Z, Matin AA, Djozan Dj, Acree WE Jr. Modeling of retention factors of analytes in chromatography with ternary solvent mobile phases, , Chemical Analysis (Warsaw). 2005; 50: 981-989.

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Presentations:

Internatioal:

Jouyban A, Hanaee J, Rashidi MR,, Esnaashari S, Acree Jr WE. Correlation of retention factor of analytes in quaternary solvent mobile phases using Jouyban-Acree model. Malaysian Pharmaceutical Conference. November 2005; Malaysia .

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