



► Reza Aalizadeh

Student at University of Athens
Phone: +302107274902
E-mail: raalizadeh@chem.uoa.gr

Education

B.Sc. in Applied Chemistry (2008-2012), IAU, Iran, Grade: 3.69/4.0

M.Sc. in Analytical Chemistry (2013-2015 (expected)), University of Athens, Grade --/--

Research Topic:

Wide-scope retention time prediction models to support suspect and non-target screening of emerging contaminants in environmental samples

The aim of this proposal is to derive the reliable and validated chemometrics models as an alternative tools for identification of emerging contaminants in environmental samples.

Research Interests

- Chemometrics
- QSAR/QSPR/3D-QSAR/molecular docking
- Molecular Descriptors
- Pattern Recognition
- Feature Detection

Publications in journals

1. Pourbasheer E, Aalizadeh R, Ganjali MR, Norouzi P, QSAR study of IKK β inhibitors by the genetic algorithm: multiple linear regressions, *Medicinal Chemistry Research*, 2014, 23 (1),57-66, doi:10.1007/s00044-013-0611-7.
2. Pourbasheer E, Aalizadeh R, Ganjali MR, Norouzi P, QSAR study of α 1 β 4 integrin inhibitors by genetic algorithm -support vector machine, *Structural Chemistry*, 2014, 25 (1), 355-370. doi:10.1007/s11224-013-0300-7.
3. Pourbasheer E, Aalizadeh R, Ganjali MR, Norouzi P, Prediction of superoxide quenching activity of fullerene (C₆₀) derivatives by genetic algorithm-support vector machine, *Fullerenes, Nanotubes and Carbon Nanostructures*, 23,290-299. doi:10.1080/1536383x.2013.798728.
4. Pourbasheer E, Aalizadeh R, Shokouhi Tabar S, Ganjali MR, Norouzi P, Shadmanesh J, 2D and 3D-QSAR study of Hepatitis C Virus NS5B Polymerase inhibitors by CoMFA and CoMSIA methods, *Journal of Chemical Information and Modeling*, 2014, 54 (10), 2902-2914, doi:

10.1021/ci500216c.

5. Pourbasheer E, Aalizadeh R, Ganjali MR, Norouzi P, Shadmanesh J, Methenitis C, QSAR study of Na_v1.7 antagonists by Multiple Linear Regression method based on Genetic Algorithm (GA-MLR), *Medicinal Chemistry Research*, 2014, 23, 2264-2276, doi:10.1007/s00044-013-0821-z.
6. Pourbasheer E, Aalizadeh R, Ganjali MR, Norouzi P, Banaei A, QSAR study of mGlu5 inhibitors by genetic algorithm - Multiple linear regressions. *Medicinal Chemistry Research*, 2014, 23, 3082-3091, doi:10.1007/s00044-013-0896-6.
7. Pourbasheer E, Aalizadeh R, Ganjali MR, Norouzi P, Shadmanesh J, QSAR study of ACK1 inhibitors by genetic algorithm-multiple linear regression (GA-MLR), *Journal of Saudi Chemical Society*, 2014, 18 (5), 681-688, doi:10.1016/j.jscs.2014.01.010.
8. Pourbasheer E, Banaei A, Aalizadeh R, Ganjali MR, Norouzi P, Shadmanesh J, Methenitis C, Prediction of PCE of fullerene (C60) derivatives as polymer solar cell acceptors by genetic algorithm-multiple linear regression. *Journal of Industrial and Engineering Chemistry*, 2015, 21, 1058-1067. doi:10.1016/j.jiec.2014.05.016.
9. Pourbasheer E, Aalizadeh R, Ganjali MR, QSAR study of CK2 inhibitors by GA-MLR and GA-SVM methods. *Arabian Journal of Chemistry*, 2015, *In Press*, doi:10.1016/j.arabjc.2014.12.021.
10. Pourbasheer E, Aalizadeh R, Ardabili JS, Ganjali MR, QSPR study on solubility of some fullerenes derivatives using the genetic algorithms — Multiple linear regression, *Journal of Molecular Liquids*, 2015, *In Press*, doi: 10.1016/j.molliq.2015.01.028.

Conferences Presentations

1. Pablo Gago Ferrero, Anna Bletsou, Reza Aalizadeh, Nikolaos Thomaidis, Suspect and non-target screening of organic micropollutants in wastewater through the development of a LC-HRMS based workflow, 01-10-2014, European Chemistry Congress - 5th EuCheMS, At Turkey.
2. Anna A. Bletsou, Pablo Gago Ferrero, Aikaterini K. Psoma, Reza Aalizadeh, Nikolaos S. Thomaidis, Integrated LC-HRMS workflow for target, suspect and non-target screening of polar emerging contaminants in the aquatic environment, Cyanotoxins in Fresh Waters Advances in Analysis, Occurrence, Treatment, 05/2014, 05-05-2014, Athens, Greece.
3. Reza Aalizadeh, Navid Moghadam Jamei, Javad Shadmanesh, QSAR study of non-nucleoside anti-hepatitis B virus agents by MLR and SVM methods, Optimal management of Hepatitis B virus infection, 25-09-2014, Athens, Greece.

Awards and Honors

1. Distinguished inventor, Top inventor among 163 inventors, Iran National Elites Foundation, 2012.
2. Scholarship awarded for pursuing postgraduate studies in Greece, I.K.Y., 2013.
3. Amount of 750 Euros awarded for top selected invention in Kuhsaran competition, Iran National Elites Foundation, 2013.
4. Young Investigators Bursary for taking part in conference of Optimal management of Hepatitis B virus infection, European Association for the Study of the Liver (EASL), Sep 2014.

Professional Affiliations

Iran National Elites Foundation, 2012-Present
 Young Researchers and Elite Club, 2009-Present

Contact information

Reza Aalizadeh

Office: 4th floor, Wing E, Office 03

Phone: 210 727xxxx

Postal Address: PanepistimioupoliZografou, Postal Code:15771, Athens, Greece

Email: raalizadeh@chem.uoa.gr