



PERSONAL INFORMATION:

Full Name: *Mina Salary*

Nationality: *Iranian*

Academic Level: *Assistant Professor of Analytical Chemistry*

Cell:

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EDUCATION:

Ph.D: Chromatography Research Laboratory of **Prof. M.R. Hadjmohammadi**, Department of Analytical Chemistry, Faculty of Chemistry, University of Mazandaran, Babolsar, Iran. Sep 2010- January 2016.

M.Sc.Degree: Chromatography Research Laboratory of **Prof. M.R. Hadjmohammadi**, Department of Analytical Chemistry, Faculty of Chemistry, University of Mazandaran, Babolsar, Iran. Sep 2006-Aug 2009.

B.Sc. Degree: University of Mazandaran, Babolsar, Iran, Pure Chemistry, Sep 2001-June 2005.

RESEARCH INTEREST:

Separation Techniques of Complex Mixtures using RP-HPLC

Micellar liquid chromatography

QRAR

Novel extraction methods in real sample analysis

PUBLICATION:

- 1- M.R. Hadjmohammadi, [M. Salary](#), Biopartitioning micellar chromatography with sodium dodecyl sulfate as a pseudo α 1-acid glycoprotein to the prediction of protein-drug binding, *Journal of Chromatography B* 912 (2013) 50– 55.
- 2- [M. Salary](#), P. Ebrahimi, M.R. Hadjmohammadi, SDS Based Biomembrane Mimetic Chromatography for Prediction of the Human Drug Transport as an in vitro Technique, *Chromatographia* 76 (2013) 757–765.

- 3- M.R. Hadjmohammadi, [M. Salary](#), P. Biparva, Removal of Cr (VI) from aqueous solution using pine needles powder as a Biosorbent, *Journal of Applied Sciences in Environmental Sanitation*, 6 (1) (2011) 1-13.
- 4- [M. Salary](#), M.R. Hadjmohammadi, Human serum albumin-mimetic chromatography based hexadecyltrimethylammonium bromide as a novel direct probe for protein binding of acidic drugs, *Journal of Pharmaceutical and Biomedical Analysis* 114 (2015) 1–7.
- 5- [M. Salary](#), M.R. Hadjmohammadi, Green mixed micellar liquid chromatography as a toxicity screening method of psychotropic drugs, *J IRAN CHEM SOC* 12 (2015) 1399–1404.
- 6- M.R. Hadjmohammadi, [M. Salary](#), Application of Sigmoidal Transformation Functions in Optimization of Micellar Liquid Chromatographic Separation of Six Quinolone Antibiotics, *Journal of Chromatographic Science*, 2015, 1–7
doi: 10.1093/chromsci/bmv164
- 7- Kh. Didehban, E. Vessally, [M. Salary](#), L. Edjlali, M. Babazadeh, Synthesis of a variety of key medicinal heterocyclic compounds via chemical fixation of CO₂ onto o-alkynylaniline derivatives, *Journal of CO₂ Utilization*, 23 (2018) 42-50. DOI: 10.1016/j.jcou.2017.10.025
- 8- A. Hosseinian, [M. Salary](#), S. Arshadi, E. Vessally, L. Edjlali, The interaction of phosgene gas with different BN nanocones: DFT studies, *Solid State Communications*, 269 (2018) 23-27. doi.org/10.1016/j.ssc.2017.10.011
- 9- A. Moallem, S. Arshadi, M.R. Sarmasti Emami, A. Khaghani, [M. Salary](#), O. Marvi, First-Principles Study of Toxic Industrial Gases Adsorption on Magnesium (4,4)-Porphyrin Nanoballs: Electronic Structure, Dipole Moment Modulation, and High-Sensitivity Gas Sensing Performance, *Journal of Molecular Graphics and Modelling*, Volume 142, January 2026, 10919823. doi.org/10.1016/j.jmgm.2025.109198
- 10- A. Ghasemian, Kh. Armand, E. Afra, A.R. Saraeian, [M. Salary](#), Effect of coating packing paper with polylactic acid-chitosan and polylactic acid-nano-chitosan complexes, *Iranian Journal of Wood and Paper Science Research*, 34 (4) (2020) 507-519. [10.22092/ijwpr.2020.128661.1585](https://doi.org/10.22092/ijwpr.2020.128661.1585) (in Persian).
- 11- M.H. Aryaie Monfared, E. Piri, A. Ghasemian, [M. Salary](#), Novel Applications of Starch in Industrial Products, *Iran Polymer Technology; Research and Development*, Vol. 3, No. 3 (2018) 37-47. (in Persian).

- 12- M. Salary, An overview of efficient and environmentally friendly methods for lignin extraction from lignocellulose biomass: Advantages, Challenges and Limitations, *Green Chemistry and Sustainable Technologies*, 21(2025) 34-49. (in Persian).

ACADEMIC TEACHING EXPERIENCE:

- 1) '*Principles of Instrumental Analysis*, Douglas A. Skoog, James J. Leary'
- 2) '*Chemistry*, Charles E. Mortimer'
- 3) '*Advanced Analytical Chemistry*'
- 4) "*Analytical Chemistry* "
- 5) *Advanced Chemistry of Lignocellulosic Materials*

LANGUAGES:

English



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