CURRICULUM VITAE (CV)

Marzie Salandari Rabori

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Degree:

BSc in Applied Chemistry. Sistan and Balojesan University, Zahedan, 1385.

MSc in Physical Chemisry, Shahid Bahonar Universiy, Kerman, 1387.

(A method of estimating Lennard- Jones (6-12) pair potential parameters of nanoparticles, using thermodynamic perturbation theory)

PhD in Physical Chemistry, Yazd Universtiy, Yazd, 1398.

(Molecular dynamic simulation of electron transfer in gold nanoparticles)

RESEARCH SKILLS:

Drug plants

Relationship between depression and drug plants

Nanoparticles Synthesis

Solar cells

Electrochemical

Drug delivery

Research projects:

1. Surveying the serum scale of blood mineral (Fe, Mg, Zn) and vitamin D, vitamin B12 on suicide committing in Rafsanjan in 2020.
2. Evaluation of the anti-depression effects of Ocimum Basilicum leaf in heart coronary artery patients
3. Comparison of exposure to lead through breast milk or milk powder in infants aged less than 6 month in rafsanjan city
4. Removal of Arsenic from drinking water with adsorption process by synthetic CuO nano particle from wulnut leaf
5. Surveying the serum scale of blood mineral (Fe, Mg, Zn) and vitamin D, vitamin B12 on suicide committing in Rafsanjan in 2020.
6. Determination of Arsenic in Henna used of Rafsanjan city in 2021

7. Determining mortality and morbidity rate due to COVID-19 epidemic and surveying the rate of psychological disorder such as anxiety, depression and suicidal behavior in Afgan refugees resided at camps in Rafsanjan city in 2019-2021

8. Evaluation of the effects pf Nanoparticles from walnut green shell on the apoptosis and immortalization genes in MCF7, HepG2 cell lines

9. Studying total phenolic content in differen parts of Cynancum acutum extracted by aqueous and hydroalchoholic solvents

10. Prevalence of stillbirth in mothers referred to health centers in Rafsanjan in 2016-2019

Papers:

1. A new method of estimating LJ pair potential parameters based on nanoparticle interactions, 11th Iranian Physical Chemistry Seminar, University of Ardabil, 2008.

2. The modeling of inhibitors behavior on Corrosion using QSAR method, Iranian Corrosion Association, 2009.

3. Estimating of Lennard-Jones parameters of nanoparticles by perturbation theory, Tarbiat Moddares University, Tehran, 2010.

4. the role of nano particles in anti-brain-tumor drug delivery, review paper, Kerman, 2012.

5. Molecular dynamic simulations of electron transfer in gold nanoparticles, Journal of Physica Acta Polonica, 2020.

6. Prevalence of stillbirth in mothers referred to health centers in Rafsanjan in 2016-2019, Yazd, 2020.

7. Facile, Low-cost and Rapid Phytosynthesis of stable and eco-friendly gold nanoparticles using green walnut shell and study of their anticancer potential, World Cancer Research Journal, 2021.

Books:

1. Translator of Valency and Bonding (A natural bond orbial donor-acceptor perspective)
2. Environment chemistry laboratory instruction

Received prizes

1. Nano technology prize of the Iran President 1389
2. Nano technology prize of the Iran President for synthesis of metal nanoparticles 1393
3. Certificate of synthesis nanoparticles

Teaching Experience

1- Shahid Bahonar University of Kerman, General Chemistry
2- Shahid Bahonar University of Kerman, General chemistry laboratory (I and II)
3-Rafsanjan University of Medical Sciences, General Chemistry
4-Rafsanjan University of Medical Sciences, General chemistry laboratory (I and II)
5-Rafsanjan University of Medical Sciences, Environmental chemistry
6-Rafsanjan University of Medical Sciences, Environmental chemistry
Laboratory
7. Payam Noor Kerman, General Chemistry
8. Payam Noor Kerman, General chemistry laboratory (I and II)
9. Payam Noor Kerman, Physics Chemistry
10. Payam Noor Kerman, Physics Chemistry laboratory