CURRICULUM VITAE

Name

Ferooze Ahmad Rafiq**i**

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Position Title

Assisstant Professor,

Department of Chemistry

Govt Degree College Tral

Educational Qualification: M.Phill, PhD, NET

MSc from University of Kashmir, Srinagar, India

M.Phill and PhD from National Institute of Technology Srinagar, J&K

NET- UGC-CSIR, Year 2006.

Teaching Expierence: 13 years

Eight Years in School Education Department, J&K

Five Years in Higher Education Department, J&K

Research Interest

Physical Chemistry, Material Chemistry, Polymer Chemistry

Details of Research Papers Published

1. **Ferooze Ahmad Rafiqi,** Kowsar Majid; Sequestration of methylene blue dyes from aqueous solution using polyaniline and polyaniline nitroprusside composite, Journal of Material Science, 52(2017) 6506-6524.
2. **Ferooze Ahmad Rafiqi**, Kowsar Majid; Doping polyaniline with copper bisglycinate—Synthesis, characterization and Thermal Study, Synthetic Metals, 71 (2013) 32-38.
3. **Ferooze Ahmad Rafiqi,** M. S. Rather, Kowsar Majid; Synthesis, characterization, Luminescence properties and thermal studies of polyaniline and polythiophene composites with rare earth terbium (III) complex, Synthetic Metals, 202 (2015) 147-156.

4. **Ferooze Ahmad Rafiqi**, Kowsar Majid; Synthesis, Characterization, Luminescence and Magnetic properties of composite of polyaniline with Nickel bis(acetylacetonate) complex, Polymer Science, series B, 58 (2016) 1-13.
5. **Ferooze Ahmad Rafiqi,** Kowsar Majid, Role of gadolinium (III) complex in improving thermal stability of polythiophene composite, Chemical Papers, 69 (2015) 1331-1340.
6. **Ferooze Ahmad Rafiqi,** Kowsar Majid, Synthesis, characterization and thermal study of composite of polyaniline doped with multiligand urea complex of cobalt(II), Chemical Physics, 18(2014)307-313.
7. **Ferooze Ahmad Rafiqi,** Kowsar Majid, Removal of copper from aqueous solution using polyaniline and polyaniline/ferricyanide composite, Journal of Environmental Chemical Engineering, 3 (2015) 2492-2501.
8. **Ferooze Ahmad Rafiqi,** Kowsar Majid; Synthesis, Characterization, photophysical, thermal and electrical properties of polyaniline with zinc bis(8-hydroxyquinolate): a potent composite for electronic and optoelectronic use, RSC Advances, 6 (2016) 22016-22015.
9. **Ferooze Ahmad Rafiqi,** Syed Kazim Moosvi, Waseem Naqash, Current-Voltage characteristics and thermal studies of polypyrrole-octacyanotungstate composite, Materials Research Innovations, 25(2021)221-226.
10. **Ferooze Ahmad Rafiqi,** Syed Kazim Moosvi, Waseem Naqash, XRD characterization and Thermal Study of Cobalt Complex Based Polypyrrole Composite, Chemical Physics, 108(2017) 47795-47800.
11. **Ferooze Ahmad Rafiqi,** Kowsar Majid; Comparative effect of chelated and non-chelated metal complexes of Ni(II), Zn(II), Tb(III), Fe(II) and Fe(III) on the thermal Stability of polyaniline Composites, (2017), Journal of Thermal Analysis and Calorimetery.
12. **Ferooze Ahmad Rafiqi,** Shabir Ahmed Bhat, Raveed Yousuf Bhat, Removal of Methylene Blue Dye from aqueous Solution onto Novel Adsorbents: Molybdenum Dicarbonate-Filter paper and Molybdenum dicarbonate – Activated Carbon Composites, Applied Chemistry, 178(2023) 56855-56867.
13. Ferooze Ahmad Rafiqi, Syed Kazim Moosvi, M H Najar et al. Current-Voltage Characteristics and Thermal Studies of Polypyrrole-octacyanotungstate composite, Materials Research Innovations, 25(3) (2020) 1-6.

Conference Papers

1. **Ferooze Ahmad Rafiqi,** Thermal Study of Polyaniline-Thiourea transition metal complex of cobalt (II) composite, International Conference on Advance Studeies in Engineering and Sciences, (2017), Conferenceworld.
2. **Ferooze Ahmad Rafiqi,** Fluorescence Property of Two Newly Synthesized Polymeric Metal Complexes of Ni(II) and Cu(II) with Terepthaldehyde and Urea, International Conference on Recent Inovations in Science, Agriculture, Engineering and Management, (2017) conference world.
3. **Ferooze Ahmad Rafiqi,** Brief Discussion on the Properties and Applications of Polypyrrole and Polythiophene Composites, 2nd International Conference on Latest Trends in Engineering, Science, Humanities and Management, (2017) conference worl**d.**
4. **Ferooze Ahmad Rafiqi,** Mechanism of Polymerization of Aniline: A Review,, 2nd International Conference on Innovative Trends in Science, Engineering, and Management, (2016) conference world.
5. **Ferooze Ahmad Rafiqi,** A Review on Photosubstituted Metal Complexes of Transition Elements, 4Th International Conference on Recent Advances in Engineering Science, and Management, (2017) conference world.
6. **Ferooze Ahmad Rafiqi,** Synthesis and characterization of Ni-ferrite based polyaniline nanocomposite for highly efficient dye adsorption, National Conference on Recent Innovations in Science, Technology and Engineering, (2017) conference world.
7. **Ferooze Ahmad Rafiqi,** Sequestration of Methyl Orange Dye from Aqueous Solution by Polyaniline, Polypyrrolr and Polythiophene: A Comparative Study, International Conference on APCMSET, (2017), Krishi Sanskriti Publications.
8. **Ferooze Ahmad Rafiqi,** Adsorption of Pb(II) from Aqueous Solution by Polyaniline, Polypyrrolr and Polythiophene: A Comparative Study, International Conference on EINT, (2018), Krishi Sanskriti Publications.

Book Chapters

1. **Ferooze Ahmad Rafiqi,** Syed Kazim Moosvi, Waseem Naqash, Doping Mechanism and charge Transfer in Polyaniline, Research Trends in Chemical Sciences, 2 (2019) 123-137, ISBN: 978-93-5335-325-4; E-Book ISBN: 978-93-5335-326-1.

2. **Ferooze Ahmad Rafiqi and** Syed Kazim Moosvi, Biomedical and Agricultural Applications of Nanomaterials,Nanotechnology in Food Industry---Applications, Challenges, and Opportunities, (2020) 127-149, ISBN: 978-81-944270-4-9.
3. **Ferooze Ahmad Rafiqi,** Syed Kazim Moosvi, Biomedical and Agricultural Applications of Biomaterials, Nanotechnology in Food Industry, Daiichi Books, Chemical Science Review and Letters, chapter 4 (2022) 127-149.
4. **Ferooze Ahmad Rafiqi,** Emeraldine Base and Salt, Characterization and Properties, Emerging Trends in Chemical Sciences, Walnut Publications, 2023, 86-97.
5. **Ferooze Ahmad Rafiqi,** Shabir Ahmed Bhat, Raveed Yousuf Bhat, Carbon Sequestration to mitigate the impact of Climate change, Advances in Chemical Sciences, Integrated Publications, (2022) 49-72.