List of Research Publications

Research Publications

Published:

1. Application of fly ash for adsorptive removal of malachite green from aqueous solutions. **Shikha Dubey**, Uma, Lavanchawee Sujarittanonta, Yogesh C. Sharma, Desalination and Water Treatment, 2015, 53 (1), 91–98.

2. Adsorption Characteristics of a Low Cost Activated Carbon for the Removal of Victoria Blue from Aqueous Solutions**.** Sushmita Banerjee, Gopesh C Sharma, **Shikha Dubey**, Yogesh C Sharma, J. Mater. Env. Sci., 2015. 6(8), 2045-2052.

3. Studies on optimization of removal of orange G from aqueous solutions by a novel nano adsorbent, nano zirconia. Deepak Gusain, **Shikha Dubey**, Sidhdh Nath Upadhyay, Chih H. Weng, Yogesh C. Sharma, J. Indus. Eng. Chem., 2015, 33, 42-50.

4. Kinetic and isotherm parameter determination for the removal of chromium from aqueous solutions by nano alumina, a nanoadsorbent. **Shikha Dubey**, Deepak Gusain, Yogesh C. Sharma, J. Mol. Liq., 2016, 219, 1-8.

Communicated:

5. Application of Kieselguhr (Diatomite), a natural material for removal of Malachite green from aqueous solutions: process optimization. **Shikha Dubey**, Sushmita Banerjee, Yogesh C. Sharma. Inter. J Env. Sci. Technol (revision submitted)

6. One pot facile and green synthesis of highly dispersed cobalt oxide (Co_3O_4) nanoparticles via latex of *Calotropis procera* and screening of its eco-toxicity. **Shikha Dubey**, Jay Kumar, Ashok Kumar, Yogesh C. Sharma, Thermochimica Acta.

7. Studies on optimization of removal of Cr by a nano adsorbent by response surface methodology. **Shikha Dubey**, Siddh Nath Upadhyay, Yogesh C Sharma, Ecological Engineering.

8. Application of common nano materials for removal of selected metallic species from water and wastewaters: A critical review. **Shikha Dubey**, Sushmita Banerjee, Yogesh C. Sharma, Environmental Nanotechnology, Monitoring & Management.

9. Adsorption characteristics of a novel nanoadsorbent, γ-nano alumina for the removal of Ni from aqueous solutions. **Shikha Dubey**, Yogesh C. Sharma. Journal of Molecular Liquids.

10. Adsorption characteristics of alumina nanoparticles for the removal of hazardous dye, Orange G from aqueous solutions. Sushmita Banerjee, Ravindra Kumar Gautam, **Shikha Dubey**, Mahesh C. Chattopadhyay, Yogesh C. Sharma. J. Indus. Eng. Chem.

11. Adsorption characteristics of iron oxide loaded riverbed sand for the removal of chromium from aqueous solutions. Varsha Srivastava, **Shikha Dubey**, Gopesh Chandra Sharma, Sushmita Banerjee, Mika Sillanpää, Yogesh C. Sharma. Alexandria Engineering Journal.

Under Preparation:

12. One pot green synthesis of Cupric oxide nanoparticles (n-CuO) for adsorptive removal of Cr(VI) from aqueous solutions. **(Tentative)**

13. CuO nanoparticles as an adsorbent for removal of Ni(II) from aqueous solutions: Optimization and Non-linear analysis. **(Tentative)**

List of Research Publications

Symposium and Conferences

1. International Conference on Recent Advances in Analytical Science (RAAS), **March 27th-29th, 2014**, Department of Chemistry, IIT (BHU), Varanasi, India, **(Poster Presentation).**

2. National Symposium on Nanomaterials & Sustainable Synthetic Strategies, **March 21st-22nd, 2015**, Department of Chemistry, BHU, Varanasi, India, **(Poster Presentation).**

3. International Conference on Multifunctional Materials for Future Applications (ICMFA), **27th-29th October 2015**, Department of Chemistry, IIT (BHU), Varanasi, India, **(Poster Presentation).**

4. 4th International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2015), **December 8th-11th**, **2015**, Department of Chemistry, IIT Guwahati, India, **(Poster Presentation).**

5. 18th CRSI-RSC National Symposium in Chemistry, **February 5th-7th, 2016,** Punjab University, Chandigarh, India, **(Poster Presentation).**

6. International Conference on Nanoscience and Technology (ICONSAT 2016), **February 29th-March 2nd, 2016**, IISER Pune, India, **(Poster Presentation).**

7. International Conference on Recent Advances in Analytical Science (RAAS), **April 7th-9th, 2016**, Department of Chemistry, IIT (BHU), Varanasi, India, **(Poster Presentation).**