CV - ANUSHREE

CONTACT INFORMATION

Name: Anushree
Designation: Research Scholar (NTA – NET Qualified 2019, 2020)
Centre of Environmental Studies, University of Allahabad
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Father's Name: Mr. Anand Prakash Srivastava
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Languages Known: English, Hindi
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RESEARCH INTERESTS

- Bioremediation of environmental pollutant.
- Drug resistant microbes
- Synthesis and application of nanoparticles.

EDUCATION QUALIFICATION

- PH.D. in Environmental Sciences from University of Allahabad (Pre-Submitted in February 2022)
- M.Sc. with 64% in Biochemistry in 2016 from (CSJM University, Kanpur)
- B.Sc. with 63% from University of Allahabad.in 2013 (Chemistry, Botany)
- 12^{th} passed in 2009 with 64% (Botany, Zoology, Chemistry, English, Hindi) in 2009.
- 10^{th} passed in 2007 with 58% (Sanskrit, Math, Science, Social science, Hindi, English) in 2007.

SKILL

- Ion Exchange Chromatography
- ELISA
- Microbial Synthesis
- SDS PAGE
- Genomic DNA Isolation
- Synthesis of Adsorbents
- Synthesis of Nanoparticles
- Environmental Chemistry

Software

- Origin-pro
- MS-Office (MS-Word, MS-Power Point, MS-Excel, MS-Publisher)

EXPERIENCE

- Two-year Working experience as a Project Assistant in DST SERB sponsored project under the supervision of Dr. Kumar Suranjit Prasad, Assistant Professor, Centre of Environmental Studies, University of Allahabad, Prayagraj

CONFERENCES:

1. National Conference on Biogeochemical Cycle and Climate Change organized by IIT Dhanbad.

Paper title: Removal of Fluoride from Aqueous Solution using Bio composite Zirconium
Nanoparticle

2. 3rd International Conference on Waste Management: IIT Guwahati, Assam (13-14 Feb 2020)
   Paper title: Adsorptive removal of tetracycline from aqueous solution using bio-char obtained from *Azadirachta indica*
3. 6th International Conference of Environment and Ecology organized by International Foundation for Environment and Ecology, Kolkata, West Bengal with University of Allahabad (24-26 Feb 2020)
   Paper title: Adsorption of Methylene Blue by *Azadirachta indica* A. Juss Derived biochar
   : Kinetic and Thermodynamic study

BOOK CHAPTER:

- Effect of pharmaceuticals wastewater on environment and their promising mitigation methods: an overview published by Society of Biological Sciences and Rural Development
  (ISBN: 978-81-923535-7-9)

RESEARCH ARTICLE

1. A. Srivastava, H. Dave, B. Prasad, A. Kumar, D.M. Maurya, M. Kumari, K.S. Prasad, Adsorptive behavior of L-Arginine-silica micro-particles against arsenic and fluoride in aqueous solution, Environ. Nanotechnology, Monit. Manag. 17 (2022) 100636. https://doi.org/https://doi.org/10.1016/j.enmm.2021.100636.

2. Srivastava Anushree, Madhu Kumari, Alagappan Ramanathan, Kaliaperumal Selvaraj, Bablu Prasad, and Kumar Suranjit Prasad. "Removal of fluoride from aqueous solution by mesoporous silica nanoparticles functionalized with chitosan derived from mushroom." Journal of Macromolecular Science, Part A 57, no. 9 (2020): 619-627

3. Srivastava Anushree, Hemen Dave, Shivesh Kumar Azad, Madhu Kumari, Sharad Karwal, Pooja Karma, Prabhuti Tiwari, and Kumar Suranjit Prasad. "Iron Modification of Biochar Developed from Tectona grandis Linn. F. for Adsorptive Removal of Tetracycline from Aqueous Solution." Analytical Chemistry Letters 11, no. 3 (2021): 360-375.

4. Srivastava Anushree, Madhu Kumari, and Kumar Suranjit Prasad. "Hydrogel beads containing ginger extract mediated nano-zirconium as an adsorbent for fluoride removal from aqueous solution." International Journal of Environmental Analytical Chemistry (2021): 1-15.

5. Srivastava, Anushree, Madhu Kumari, and Kumar Suranjit Prasad. "Guar Gum Hydrogel Beads for Defluoridation from Aqueous Solution: Kinetic and Thermodynamic Study." *Nature Environment and Pollution Technology* 18, no. 4 (2019): 1325-1331.

6. Srivastava, Anushree, Madhu Kumari, and Kumar Suranjit Prasad. "Biogenic nanozirconium in hydrogel beads for fluoride removal: equilibrium, thermodynamic and kinetic studies." (2020).

7. Srivastava, Anushree, Kaliaperumal Selvaraj, and Kumar Suranjit Prasad. "Nanoparticles Based Adsorbent for Removal of Arsenic from Aqueous Solution." Asian Journal of Water, Environment and Pollution 16, no. 1 (2019): 97-103.

8. Srivastava, Anushree, Madhu Kumari, and Kumar Suranjit Prasad. “Fluoride occurrence, health issues, and removal using adsorption process”. Proc. Indian Natl. Sci. Acad.(2022)

DECLARATION

I hereby declare that all the above information is correct best of my knowledge & belief.

Place: Prayagraj Signature