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**Name:** Dr. Shreya Nivesh

**Designation:** Scientist

**Discipline:** Land and Water Management Engineering

**Institute:** ICAR-MGIFRI, Motihari, Bihar

**Qualifications:** Ph.D. (Soil and Water Conservation Engineering)

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### **Research Interest**

Land and Water Management

Hydrological Modelling

### **Publications**

1. **Shreya Nivesh** and Pravendra Kumar (2018). River suspended sediment load prediction using neuro-fuzzy and statistical models: Vamsadhara River Basin, India. *Indian Journal of Soil Conservation*, 46(1): 68-76.
2. **Shreya Nivesh** and Pravendra Kumar (2017). Suspended sediment load estimation using neuro-fuzzy and multiple linear regression: Vamsadhara River Basin, India. *International Journal of Agricultural Engineering*, 10(2): 246-252.
3. **Shreya Nivesh** and Pravendra Kumar (2018). Estimation of sediment load using ANN, ANFIS, MLR and SRC models in Vamsadhara River Basin, India. *Annals of Plant and Soil Research*, 20(1): 37-45.
4. **Shreya Nivesh**, Pravendra Kumar, Bhagwat Saran, Pragati N. Sawant and Ramesh Verma (2019). Assessment of soft computing and statistical approaches for suspended sediment load estimation: Vamsadhara River Basin, India. *The Pharma Innovation Journal*, 8(2): 693-702.
5. **Shreya Nivesh**, Pravendra Kumar, Pragati Sawant and Ramesh Verma (2018). Application of fuzzy logic and statistical approaches for estimation of suspended sediment concentration. *International Journal of Current Microbiology and Applied Sciences*, 7(2): 3716-3733.
6. **Shreya Nivesh** and Pravendra Kumar (2017). Modelling river suspended sediment load using artificial neural network and multiple linear regression: Vamsadhara River Basin India, *International Journal of Chemical Studies*, 5(5): 337-344.
7. **Shreya Nivesh**, Pradeep Singh Kashyap and Bhagwat Saran (2019). Irrigation water requirement modelling using CROPWAT model: Balangir district, Odisha. *The Pharma Innovation Journal*, 8(12): 185-188.

8. **Shreya Nivesh** and Pravendra Kumar (2017). Sediment yield estimation using FL, MLR and SRC models: Vamsadhara River Basin, India. *Proceedings AETSD* (pp. 9-19), Institution of Engineers (India) Pantnagar Local Centre, Uttarakhand.
9. Jaya Kumari, Ranjan Srivastava and **Shreya Nivesh** (2016). The Recycling Greenhouse Concept: Turning Waste into Resources. *Proceeding of the international conference on Agriculture, Food Science, Natural Resources Management and Environmental Dynamics-The Technology People and Sustainable Development* (pp. 150-152), BCKV, Mohanpur, Nadia, West Bengal.

### **Other Publications**

Book Chapters: 4

Popular Articles: 6

Research Abstracts: 9

### **Trainings/Conferences/Seminars attended**

Trainings/Workshops: 7

International conferences: 3

National conferences: 4

### **Awards/Fellowships**

1. Awarded Chancellor`s Gold Medal for securing highest OGPA at Bachelor of Technology.
2. Awarded with best paper presentation award in the second All India Seminar on Advances in Engineering and Technology for Sustainable Development held at Institution of Engineers (Pantnagar) local center Uttarakhand.
3. Awarded two times with best article award by Agriculture and Food magazine.
4. Awarded ICAR-JRF Fellowship during M.Tech. degree programme.
5. Awarded UGC-Rajiv Gandhi National Fellowship during Ph.D. degree programme.