Brief Resume of Dr. Shreya Nivesh

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Scientist (L&WM Engg.)
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Research Specialization

Soil and Water Conservation Engineering-Natural resources management, hydrological modelling, watershed management, water resources modelling and simulation, irrigation and drainage management, water evaluation and planning.

Academic Background

2009-2013	B.Tech. (Agril. Engg.) 1st Class First, CSAUA&T, Chancellor's Gold Medal Award.
2013-2015	M.Tech. (Agril. Engg.)Soil & Water Conservation Engineering, 1st Class First, GBPUAT, Pantnagar, Uttarakhand
2016-2019	Ph.D. (Agril. Engg.) Soil & Water Conservation Engineering, 1st Class First, GBPUAT, Pantnagar, Uttarakhand

Professional Service Experience

Oct to Dec, 2019	Assistant Engineer	Uttar Pradesh State Engineering Services, U.P. Government
2020-contd.	Scientist	ICAR-Mahatma Gandhi Integrated Farming Research Institute (MGIFRI), Motihari, Bihar

Awards, Honours & Recognitions

2016-2019	Rajiv Gandhi National Fellowship, University Grant Commission, New Delhi
2017	Best Paper Presentation Award, Institution of Engineers, India
2013-2015	ICAR-Junior Research Fellowship, New Delhi, India
2013	Chancellor's Gold Medal, CSAUA&T, Kanpur, India
2009-2013	ICAR-National Talent Scholarship, New Delhi, India

Best - 13 Publications

1. Kumari, J., Srivastava, R. and **Nivesh, S.** 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.

2. **Nivesh, S.** and Kumar, P. 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. **Nivesh, S.** and Kumar, P. 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.**

4. **Nivesh**, S., Kumar, P., Saran, B., Sawant, P.N. and Verma, R. 2018.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. **Nivesh, S.** and Kumar, P. 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.

6. **Nivesh, S.** and Kumar, P. 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.

7. **Nivesh**, **S**., Kashyap, P.S. and Saran, B. 2019. Irrigation water requirement modelling using CROPWAT model: Balangir district, Odisha.**The Pharma Innovation Journal,** 8(12): 185-188.

8. Sawant, P.N., Kumar, A. and **Nivesh, S.** 2020. Flume experiment for evaluation of effect of different bed conditions on Manning's roughness coefficient in open channel flow. **Indian Journal of Soil Conservation,** 48(2): 125-130. Saran, B., Kumar, A. and **Nivesh, S.** 2021.

9. Rajput, J., Kushwaha, N.L., Blessy, V.A., **Nivesh, S**. Pramguru, P.K., Rao, K.V. Kumar, M. and Srinivasa, Rao. 2020. Climate Change Mitigation and Adaptation through Biotechnological Interventions. In: Ch. Srinivasarao et al., (Eds). Climate change and Indian Agriculture: Challenges and Adaptation Strategies, **ICAR-National Academy of Agricultural Research Management (NAARM), Hyderabad, Telangana, India.** pp: 157-182.

10. Saran, B. Kumar, A. and **Nivesh, S**. 2021. Objective Questions in Land & Water Management Engineering For ARS/ NET/ SRF/ JRF/ GATE/ AE/ JE/ ADA/ SCO/ SMS/ BHU/ GBPUAT and Other Competitive Exams, New Delhi Publishers.

11.नंदलाल कुशवाहा, जितेंद्र राजपूत, **श्रेया निवेश**, प्रदोष कुमार परमगुरु एवं ब्लेसीवी. ए. 2021.जलवायु परिवर्तन के परिवेश में जलग्रहण क्षेत्र (वाटरशेड) प्रबंधन का महत्त्व इन:जलवायु परिवर्तन और भारतीय कृषि :चुनौतियां अनुकूलन और शमन रणनीतियाँ, भाकृअनुप- राष्ट्रीय कृषि अनुसंधानप्रबंध अकादमी हैदराबाद-500 030, तेलंगाना, भारत, पृष्ठ: 69-74.

12. **Nivesh, S**., Kashyap, P.S. and Saran, B. 2021. Estimation of Water Demand Dynamics: Application of WEAP Model. In Proceedings of the 30th National web conference on Soil and Water Management Technologies for climate resilience, agricultural and environmental sustainability; 2021 Dec 14-16; Bhuwaneshwar, Odisha, India.

13. **Nivesh, S**., Negi, D., Kashyap, P.S., Aggarwal, S., Singh, B., Saran, B. Sawant, P.N. and Sihag, P. 2022. Prediction of river discharge of Kesinga sub-catchment of Mahanadi basin using machine learning approaches. *Arabian Journal of Geosciences*, 15: 1369.

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