Shejule Priya Ashok

Ph. D. Student
Water Resources Engineering Indian Institute of Technology, Guwahati
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Links

Researchgate://Priya shejule
Linkedin://Priya shejule

Skills

LANGUAGES
MATLAB, R

OTHERS
LaTeX, MS Word, MS Excel, Adobe Illustrator, Image processing, Mendeley

SOFTWARES
HEC-RAS, Arc-GIS, ORIGIN Pro

Education

2019-present **Ph.D.** Water Resources Engineering
CGPA: 9.77 **Indian Institute of Technology, Guwahati**
Advisor: Dr. Sreeja Pekkat

2017-2019 **M.Tech** Water Resources Engineering
CGPA: 9.36 **National Institute of Technology, Rourkela**
Advisor: Prof. K. Khatua

2013-2017 **B.Tech** Civil Engineering
CGPA: 7.72 **College of engineering, Pune (COEP)**
Advisor: Prof. P. Raval

2013 **Higher Secondary** Maths, Physics, Chemistry
Passed with 87% **P.N. college Pusad, Maharashtra**

2011 **Secondary School** Maths, Science, Social science, English
Passed with 95.27% **K.D. High school Pusad, Maharashtra**

Research Interests

- Hydrologic Time Series Modelling
- Rainfall Forecast/Nowcast
- Signal Analysis
- Statistical Modelling
- Machine Learning

Publications/Book Chapter/Conference/workshop

- Shejule, P., Khuntia, J. R., & Khatua, K. K. (2022). Calibrating coefficients of emerged vegetative open channel flow. In River Hydraulics (pp. 249-260). Springer, Cham.
- Ashok, S. P., & Pekkat, S. (2022). A systematic quantitative review on the performance of some of the recent short-term rainfall forecasting techniques. Journal of Water and Climate Change, 13(8), 3004-3029.
- Priya Shejule; Sreeja Pekkat, Rainfall Forecast by Identification of Characteristic Components of Rainfall Using Singular Spectrum Analysis. Asia Oceania Geosciences Society 2022, 01 Aug - 05 Aug, Singapore.
- Priya Shejule and Sreeja Pekkat (2022). Performance Assessment of Rainfall Forecasting Models Based on Machine Learning Techniques and Singular Spectrum Analysis. Atmospheric Research (Under Review)
- Workshop on "Artificial Intelligence for Detection and Attribution of Climate Extremes" by International Centre for Theoretical Physics (Italy) is virtually attended during the period 20 June 2022-1 July 2022

Projects

2018-2019 Master's Thesis

Modelling of Calibrating coefficients of SKM in Emerged vegetative Open Channel

Advisor: Prof. K. Khatua

2016-2017 Bachelor's Thesis

Manufacturing of corrugated cement roofing sheet using banana fibers to replace AC sheet and design of wall panels

Advisor: Prof. P. Raval

Teaching Experience

July-Nov 2022	Teaching Assistant for the course Surface Water Hydrology CE-551, IIT Guwahati
Jan-May 2022	Teaching Assistant for the course Engineering Hydrology Lab CE-321, IIT Guwahati
Jun-Nov 2020	Teaching Assistant for the course Engineering Graphics CE-101, IIT Guwahati
Jan-May 2020	Teaching Assistant for the Hydrology Laboratory Course CE-321, IIT Guwahati
2018-2019	Teaching Assistant for the course Water Quality Engineering in the Civil Engineering Department National Institute of Technology, Rourkela

Achievements and Participation

- Winner of Technocraft Booth Competition, Pune
- Won Best Project Award, Bhau Institute, COE Pune
- Runner up at IIT-Bombay Project Competition
- PMRF Scholarship– Recipient of PMRF Scholarship for doctoral studies
- Member of team AQRITY, runner up at WAVE2WEB Hackathon organized by World Resources Institute, Microsoft and BlackRock. Successfully predicted near real-time water availability in reservoirs of the Cauvery River Basin, Bengaluru.

Declaration

I hereby declare that all information given above is true to the best of my knowledge and belief.

Date: 08/11/2022 Priya Shejule