Akanksha Soni
Research Scholar
IIT Madras

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An enthusiastic person, acquiring specialized knowledge in the field of hydrology and water resources engineering & research applicability in multi-dimension perspective contributing to sustainable use of natural resources. Being perseverance, commitment and curious in my research, I strive to find the solutions for the betterment of society.

RESEARCH INTEREST

- Groundwater & Surface-water Hydrology and modeling, Climatic variability.
- Soil & water conservation engineering, Remote Sensing & GIS.

EDUCATION

Pursuing Jul 2021	**Doctor of Philosophy (HWRE)** Department of Civil Engineering, IIT Madras, Chennai, India.
Post Grad. Jul 2020	**Master of Technology (SWCE)** Institute of Agricultural Sciences, B.H.U., Varanasi 8.59 CPI (Rank Holder)
Graduated Jul 2017	**Bachelor of Technology (Civil Engg.)** Dr. APJ Abdul Kalam Technical University, Lucknow 83.22% (Gold Medalist)
Intermediate Jun 2013	**(Science)** Shree Agrasen Kanya Inter College, UP Board – 1st Division
Matriculation Jun 2011	**(General)** Shree Agrasen Kanya Inter College, UP Board – 1st Division

TRAINING & CERTIFICATIONS

- Diploma in Financial Accounting, 2013
- Uttar Pradesh State Bridge Corporation Limited on Foundation, 2015
- ICAR- Indian Institute of Soil & Water Conservation for RS & GIS, 2019
- KSCSTE- Centre for Water Resources Development & Management (R-software), 2021
- National Water Academy (Python), 2021
- Web of Science Training & Certification Program @ Clarivate, 2022
- Big Data Applications in Water Resources and Hydro Informatics @ National Water Academy, 2022
- Environmental Sustainability Assessment @ IITM, 2022
- Land Use Land Cover Mapping using Remote Sensing @ National Water Academy, 2022

PROJECT

- Physical prototype of Water Treatment Plant, 2016
- Design & Analysis of rigid and flexible pavement, 2017
- Assessment of Long-term Groundwater Scenario in Mandla District of Madhya Pradesh" from National Institute of Hydrology, Bhopal, Madhya Pradesh, India. 2020

NATIONAL LEVEL EXAMS QUALIFIED

- GATE (Civil Engineering)
- ICAR-NET (LWRE)

MOOCs, SWAYAM & NPTEL COURSES

Certification Course (Online) from **IIT Kanpur;**
- Design thinking for agricultural implements
- E-extension
- Descriptive Statistics with R-Software
Certification Course (Online) from **IIT Kharagpur;**
- Stress Management

CONFERENCES

https://drive.google.com/file/d/1cWvpDWspBITSH9EDFE0FboK1oqJD1sJT/view?usp=sharing ⇐ (Please see the link)

PUBLICATION

(BOOK CHAPTER)
Singh M, Urmila, Yadav KK , (2021). Soil and Water Conservation and Management. Agrotech Publishing Academy. ISBN 978-93-90647-86-6. (pp. 102-114). *DOI 10.13140/RG.2.2.24082.12485.*

TECHNICAL SKILLS

- AutoCAD
- STAAD Pro
- Microsoft office
- ArcMAP
- GIS & Remote Sensing
- Model (HEC-HMS, HEC-RAS, EPANET, SWMM, HYDRUS-1D, MODFLOW)
- Coding (MATLAB, PYTHON and R-Software)

TRANSFERABLE SKILLS

- Divergent & Creative Thinking
- Adaptability
- Dedication
- Discipline
- Co-ordination

LANGUAGES

- Hindi
- English

EXTRA CURRICULAR ACTIVITIES

- Active sport participant.
- Actively participate in workshop and cultural programs.
- Participated in **'180 Degree Research'** organized by **CEA** @ IIT-Madras.
- Mastering the technique of **"Yoga Prana Vidhya".**

PERSONAL INFORMATION

- Birthday: August 30, 1998
- Marital Status: Single
- Gender: Female
- Father's Name: Babu Lal
- Nationality: Indian

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge and understanding.

Akanksha Soni

August 31, 2022

Chennai, Tamil Nadu