

CONTACT



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Google Scholar:
<https://scholar.google.com/citations?user=5OkpSIIAAAAJ&hl=en>

SKILLS

PROGRAMMING:
Python, R

SOFTWARE:
ArcGIS, TELEMAC, Autocad, StaadPro, Etabs.

PRESENTATIONS

Coupling Hydrus 1-D And BioCro Using Yggdrasil
6th Annual Crops in Silico Symposium and Hackathon. May 11-13th, 2022. University of Illinois

Dam Break Analysis by Use of TELEMAC-MASCARET
Innovative Trends in Hydrological and Environmental Systems. Proceedings Of International Virtual Conference, ITHES-2021. April 28th – 30th, 2021. Water & Environment Division, Department of Civil Engineering, National Institute of Technology, Warangal-India.

REFERENCES

DR. DEEPAK JAISWAL
Assistant Professor – Indian Institute of Technology Palakkad
dj@iitpkd.ac.in

DR. N. SAJIKUMAR
Principal Consultant (Water Resources Specialist) – WRPM consultants, Kerala, Former professor – Government Engineering College Thrissur
director@wrpmconsultants.com

EDUCATION

Aug 2021 – Present	DOCTOR OF PHILOSOPHY - Environmental Sciences and Sustainable Engineering Centre (ESSENCE), Indian Institute of Technology Palakkad. CGPA: 9.75/10.
2018 to 2020	MASTER OF TECHNOLOGY – Department of Water Resources and Hydroinformatics. Government Engineering College Thrissur, APJ Abdul Kalam Technological University. CGPA: 9.48/10
2006 to 2010	Bachelor of Technology – Department of Civil Engineering, Avinashilingam University for Women. CGPA: 7.77/10
2006	Class XII – CBSE, Indian School Salalah, Sultanate of Oman. Percentage: 84%.
2004	Class X – CBSE, Indian School Salalah, Sultanate of Oman. Percentage: 91.6%

EXPERIENCE

March to Aug 2021	TEACHING FACULTY - Wincentre Institute of Entrance Coaching, Thrissur.
July 2019	INTERN - Kerala State Land Use Board, Thrissur, Kerala.
2012 to 2013	STRUCTURAL DESIGNER - Al Manarah Engineering Consultancy, Sultanate of Oman.
2011 to 2012	JUNIOR ENGINEER - Al Anwar Modern Trading and Contracting EST, Sultanate of Oman.
June to Dec 2010	TRAINEE ENGINEER - Perfect Engineers & Contractors, Palakkad, Kerala.
June 2008	INTERN - Cochin Port Trust (Cochin, Kerala)

PUBLICATIONS

S Sruthi and T Reeba “Comparison of hydrodynamic and sediment transport model for dam break analysis over mobile bed” (2021) IOP Conf. Ser.: Mater. Sci. Eng. 1114 012021.

ACHIEVEMENTS AND MEMBERSHIPS

- M.H.R.D. Scholarship for pursuing M. Tech from GEC, Thrissur.
- Qualified **GATE 2018** (score of 420 and 91 percentile) and **GATE 2021** (score of 343 and 85.6 percentile).
- 3rd Proficiency in B.E Civil Engineering Department, Avinashilingam University for Women, Coimbatore.
- Student Member in **American Geophysical Union (AGU)** (Membership ID: 1511451)
- Member of **American Society of Agronomy (ASA)**, **Crop Science Society of America (CSSA)**, and **Soil Society of America (SSSA)** (Membership ID: 809534)

EXTRA CURRICULARS AND ROLES OF RESPONSIBILITIES

- Student Representative for Courses on GIS and Coupling Techniques (Jan 2022 to May 2022), Indian Institute of Technology Palakkad.
- Talk on “Climate Change and Society” - CRYSTAL & SCIENCE QUEST Residential Science Camp at IIT PALAKKAD
- Hosted 6th Institute Day of Indian Institute of Technology Palakkad, January 2022
- Member of the Wellness Club MITRA of Indian Institute of Technology Palakkad.

**COURSE WORKS
COMPLETED**

<u>COURSE NAME</u>	<u>CREDIT</u>	<u>GRADE POINT</u>
PhD (Environmental Sciences and Sustainable Engineering Centre) IIT Palakkad		
◦ INTRODUCTION TO GIS AND REMOTE SENSING.	3	10
M.Tech (Water Resources and Hydroinformatics) Government Engineering College Thrissur		
◦ GIS AND HYDRO INFORMATICS	3	9
◦ SURFACE WATER HYDROLOGY	3	9
◦ WATERSHED CONSERVATION AND MANAGEMENT	3	8.5
◦ HYDROINFORMATICS LAB	1	10
◦ WATER RESOURCES SYSTEMS ENGINEERING	3	10
◦ REMOTE SENSING	3	9
◦ HYDRO-MODELLING LAB	1	10
◦ PLANNING AND DESIGN OF ENVIRONMENTAL FACILITIES	3	8
B.E (Civil Engineering) Avinashilingam University for Women		
◦ WATER RESOURCE ENGINEERING	4	7
◦ BASICS OF REMOTE SENSING AND GIS	4	6
◦ ENVIRONMENTAL ENGINEERING I	4	6
◦ ENVIRONMENTAL ENGINEERING II	4	7

TEACHING EXPERIENCE

<u>COURSE</u>	<u>INSTITUTE</u>
◦ WATER SUPPLY ENGINEERING (ENVIRONMENTAL ENGINEERING I)	WINCENTRE – CENTRE FOR COMPETITIVE EXAMS, THRISSUR
◦ SEWAGE AND WASTEWATER TREATMENT (ENVIRONMENTAL ENGINEERING II)	