

Sujit Jalindar Gatkal (CV)

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Academic Credentials

Class/ Degree	Specialization	Institution	Year	%/CGPA	Class
M. E.	Water Resources Engineering	Government College of Engineering, Aurangabad	2017	7.26	Distinction
B.E.	Civil Engineering	Marathwada Institute of Technology, Aurangabad	2014	68.13	Distinction

Overall Experience

Assistant Professor in Department of Civil Engineering Maharashtra Institute of Technology Aurangabad	Sept 2018 to till
Assistant Professor in Department of Civil Engineering Hi-Tech Institute of Engineering, Aurangabad	Jul 2017 to Aug 2018
Teaching Assistant in Department of Civil Engineering at Government College of Engineering Aurangabad	Sept 2015 to Jun 2016
Lecturer in Department of Civil Engineering at Institute of Engineering and Technology, Kannad	Feb 2015 to Aug 2015
In plant training in Space Craft Interior, Aurangabad	Aug 2011 to Jul 2012

M.E. Dissertation on “Application of Artificial Neural Network to Predict the Rainfall in Aurangabad City, Maharashtra & NDVI: Irrigation Performance Evaluation Using RS and GIS” (Guide – Dr. P.A. Sadgir)

B.E. Project on “Introduction and Design of Water Treatment Plant”(Guide – S.T. Patil)

Publications

- ✓ **S. J. Gatkal**, P. R. Sarda, P. A. Sadgir "Application of Artificial Neural Networks to Rainfall Prediction in Aurangabad, Maharashtra, India", 49th Annual Convention of IWWA on "Smart Water Management" January 19-21, 2017.
- ✓ **S. J. Gatkal**, P. A. Sadgir “NDVI: Irrigation Performance Evaluation Using RS and GIS”, Journal of Water Resource Engineering and Management ISSN: 2349-4336 (Online) Volume 4, Issue 2, (STM, Journals 2017).

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- ✓ Kalayankar, Dhas, Sonawane, **S.J. Gatkal**, R.P Agrawal “Analysis and Treatment of Greywater by Using Natural and Chemical Coagulants” STM Journal, Journal of Water Pollution & Purification Research, Vol. 7, Issue 3, 2020, pp 1-8

Contributions at MIT, Aurangabad

Academic

- ✓ Subject Taught at Under Graduate Level
 - Water Resource Engineering
 - Environmental Engineering
 - Design for Environment
 - Solid Waste Management
 - Advanced Civil Engineering Material
 - Fluid Mechanics\
- ✓ Chairman for Second Year Civil Engineering at Dr. Babasaheb Marathwada University Aurangabad (A.Y. 2019-20)

Extra-Curricular

- ✓ Working as a UBA/UMA Co-ordinator (A.Y. 2018-2021)
- ✓ Working as IIC Departmental Co-ordinator (A.Y. 2020-21)
- ✓ Working as Lab-in-charge Fluid Mechanics (A.Y. 2019-2021)
- ✓ Working as a Practical-Oral Co-ordinator (A.Y. 2019-20)
- ✓ Worked as a Class Teacher S.Y. (A.Y. 2019-20)
- ✓ Worked as CARPE Departmental Co-ordinator (A.Y. 2018-19)
- ✓ NSS member’ of ‘Student Representative Council’ in 2010-11 at MIT, Aurangabad

Consultancy work/ Sponsored Research

- ✓ Third Party Evaluation of CNB Test under Jalyukt Shivar Yojana (UMA/UBA) under Government of Maharashtra in coordination with IIT Mumbai

Computer/Software Proficiency

- ✓ QGIS
- ✓ EPA NET, BRANCH
- ✓ MATLAB (NN TOOL)

Industrial Training Organized

- ✓ Industrial Visit to Sewage Treatment Plant (STP) Aurangabad
- ✓ Industrial Visit to Jayakwadi Nathsagar Dam, Paithan
- ✓ Industrial Visit to WALMI Aurangabad
- ✓ Industrial Visit to Water Treatment Plant (WTP) Pharola Aurangabad

Membership of Professional Bodies

- ✓ Indian Water Resource Society (L.M.-2016-7691)

STTP/FDP/Industrial Training/Seminar/Workshop/Conference Attended

Conference

- ✓ 3 rd National Conference on “Sustainable Water Resources Development and Management-2016”, at Govt. Engineering College, Aurangabad
- ✓ 49th Annual Convention of IWWA on “Smart Water Management-January 19-21, 2017”, at Visvesvaraya National Institute of Technology, Nagpur

Workshops

- ✓ National Workshop on ‘Innovations, Invention and Patents’ at GEC, Aurangabad
- ✓ National Workshop on ‘Intellectual property and Patents’ at GEC, Aurangabad
- ✓ National Workshop on ‘Engineering Optimization and its Application’ at GEC, Aurangabad
- ✓ National Workshop on ‘Pipe Network Analysis’ at GEC, Aurangabad

FDP/STTPs

- ✓ Data Analytics with Python Core Skills at GEC Aurangabad during Dec 21, 2020 to Jan 4, 2021
- ✓ Modelling Analysis and Design of Structures using latest version of STAAD at NITTTR Kolkata during Jul 27, 2020 to Jul 31, 2020
- ✓ Research opportunities in Environmental Engineering at Bharati Vidyapeeth Pune during Jul 20, 2020 to Jul 25, 2020
- ✓ Hydrologic Modelling using Open Source Geospatial techniques’ at GEC, Aurangabad
- ✓ ‘QGIS and its Applications to Water Resource Engineering’ at GEC, Aurangabad
- ✓ ‘Soft Computing Techniques in Engineering Application’ at GEC, Aurangabad

Personal Details

Date of Birth: - 5th Sept, 1991

Mother’s Name :- Mrs. Kamal Jalindar Gatkal

Spouse’s Name :- Mrs. Mayuri Sujit Gatkal

Languages known :- Marathi, Hindi, English