




FACULTY PROFILE

Department: Civil Engineering

1. Personal Details

NAME	Dr. HEMALATHA H. N	
DEPARTMENT	Civil Engineering	
DESIGNATION	Associate Professor	
PHONE	+91 9886277025	
EMAIL ID	hemalathahn@jssateb.ac.in	
Date of Joining (JSSATEB)	16-06-2010	

2. Experience

Total Experience in Years	Teaching: 16 Years	Industry: Nil	Research: 13 Years
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3. Qualifications

Courses	Specialization	Year of Award	Institution	University
B.E.	Environmental Engineering	2003	Sri Jayachamarajendra College of Engineering, Mysuru 570060 Karnataka INDIA	Visvesvaraya Technological University, Belgaum Karnataka
M.Tech.	Environmental Engineering	2005	Sri Jayachamarajendra College of Engineering, Mysuru 570060 Karnataka INDIA	Visvesvaraya Technological University, Belgaum Karnataka
Ph.D.	Faculty of Civil Engineering Sciences	2020	Sri Jayachamarajendra College of Engineering, Mysuru 570060 Karnataka INDIA	Visvesvaraya Technological University, Belgaum Karnataka

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 04	National:
Papers Published in SCOPUS indexed Journals	International: 05	National:
Papers Published in other Journals	International: 08	National: 01
Papers Presented in Conferences / Symposium	International:03	National: 01

5. Research Guidance

PhD Guide? Give field & University	Recognized as guide under VTU Date of Ph.D awarded- 10th January 2020	Research Student Name and Details: Vidyashree M G Assistant Professor, Department of Civil Engineering, Nagarjuna College of Engineering, Bangalore
PhDs / Projects Guided	Nil	Projects at Master's Level: Projects at Bachelor's Level: 12

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
5 Days Workshop on Geospatial Analytics	Rs. 30,000/-	26th to 30th September 2022	5 Days	Funded by Karnataka Science and Technology Academy (KSTA), Department of Science & Technology, Government of Karnataka

ii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
Water Quality Test	Rs. 1000/-	23-03-2021	5 Days	Er. Ramachandra K M/s Civitech Bengaluru-560098
Water Quality Test	Rs. 1000/-	06-07-2021	5 Days	Mr. Akash C. V. BEMLLayout RajarajeshwariNagar Bengaluru-560098

7. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	DOI & Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Hybrid dual treatment of real textile wastewater using electrochemical treatment (ECT) and membrane bioreactor (MBR).	H. N. Hemalatha Dr. S. Mahesh Dr. S. Nanjundaswamy M. Sahana	Desalination and Water Treatment	https://doi.org/10.5004/dwt.2019.23368 Year: 2019	Both WOS / Scopus	1.64	Desalination Publications
2	Real Silk	Hemalatha H N	<u>Brazilian</u>	https://doi.org/	Both	1.5	Springer

	Textile Wastewater Treatment using 2-D Electrochemical Coagulation and Estimation of Electrical Energy Consumption	Sanjay Shekar N C	Journal of Chemical Engineering,	rg/10.1007/s43153-022-00236-4 Year 2022	WOS / Scopus		International Publishing
3	Performances comparison of Penman-Monteith and Priestley-Taylor models using MOD16A2 Remote Sensing product https://doi.org/10.1007/s00024-021-02780-5	Sanjay Shekar N C, Hemalatha H N	Pure and Applied Geophysics Journal	https://doi.org/10.1007/s00024-021-02780-5 Year 2021	Both WOS / Scopus	2.11	Springer International Publishing
4	Evaluation of the Priestley-Taylor method to estimate latent heat flux by triangular and trapezoidal approaches using remote sensing data	Sanjay Shekar N C, Hemalatha H N	Tropical Ecology Journal	https://doi.org/10.1007/s42965-021-00186-x Year 2021	Both WOS / Scopus	1.137	Springer International Publishing
5	Land use and Land Cover Characteristics using Bhuvan and MODIS Satellite Data DOI:10.35940/ijrte.F5322.019521	Sanjay Shekar N C, Hemalatha H N	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-9 Issue-5, PP 289-294 Year 2021	Scopus	1	IJRTE
6	Design of Sanitary Landfill Site and Incineration Unit for Municipal Solid Waste Management	Dr. Hemalatha H N Harshith Nagesh Santosh V S Prathik D M Venkatesh K	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Vol. No. 8 Issue VIII Year 2020	-	7.429	IJRASET

7	Qualitative Analysis and Treatment of Lake Water	Hemalatha H. N Druthi Prasad Shambhavi B. M Abhinandan T. C Siddarth	IOSR Journal of Applied Chemistry (IOSR-JAC)	Vol. No. 16 Issue: 3 Year 2019	-	3.462	IOSR Journal
8	Removal of Hardness from ground water using natural coagulants	Hemalatha H. N Suresha R. A Manoj Kumar K Manjunath Kaatrahalli Zubair Hamid Bhat	IOSR Journal of Applied Chemistry (IOSR-JAC) IOSR Journal	Vol. No. 16 Issue. 3 Year 2019	-	3.462	IOSR Journal
9	Electrochemical degradation of a real silk textile wastewater using iron electrodes.	Hemalatha H. N Dr. S. Mahesh Dr. S. Nanjundaswamy M. Sahana	IOSR Journal of Applied Chemistry (IOSR-JAC)	Vol. No. 11 Issue No. 6 Year 2018	-	3.149	IOSR Journal
10	Design of Pervious Concrete for Recharging Ground Water Table.	Hemalatha H. N Swathi S Hema S R Ritesh Kumar Bharath S	International Research Journal of Engineering And Technology (IRJET)	Vol. No. 5 Issue No. 5 Year 2018	-	6.171	IRJET

ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Removal of Organics from Real Silk Textile Wastewater using Electrochemical Coagulation	Hemalatha H. N Dr. S. Mahesh Dr. S. Nanjundaswamy M. Sahana	Journal of Indian Waterworks Association (IWWA)	Vol. No.10 Issue No. 1 Year 2018	-	-	Indian Waterworks Association

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Organizer
1	Treatment of Silk Textile Wastewaters using Electrochemical Coagulation	Hemalatha H. N Mahesh S Nanjunda Swamy S Sahana M	Recent Advancements in Infrastructural Development RAID-2015
2	Electro-coagulation Studies for the treatment of Textile Wastewaters using Iron Electrodes	Hemalatha H. N	7 th International Congress of Environmental Research (ICER-14)

3	Water Reclamation by Treatment of Textile Wastewater using electrochemical Coagulation(ECC) Technology	Hemalatha H. N Mahesh. S Sahana M Syed I P Anitha S Nanjunda Swamy S	V th World Aqua Congress - 2013 on Adaptive and Integrated Water Management held at New Delhi, India Aqua foundation
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iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	FDP on NEP 2020 - Touching the Iceberg	JSS Academy of Technical Education, Bangalore	09-09-2023
2	Workshop on “Capacity Building in R&D”	JSS Academy of Technical Education, Bangalore	16.03.2023
3	Webinar on Team Work	JSS Academy of Technical Education, Bangalore	16-07-2021
4	3 Days Workshop on Building Research Ecosystem	JSS Academy of Technical Education, Bangalore	02-03-2021 to 04-03-2021
5	International webinar on Smart and Sustainable Cities in India (Issues and Challenges)	JSS Academy of Technical Education, Bangalore	19-09-2020
6	Webinar on Climate Change and Sustainability	Vidyavardhaka College of Engineering	4-06-2020
7	Workshop on Role of Digital Libraries in Academic Research	Davangere University	30-05-2020
8	Webinar on Successful Research Paper: Concepts to Submission	KLE College of Engineering	11-05-2020
9	Webinar on World Environment Day-2020	Central Pollution Control Board and State Pollution Control Board	27-05-2020
10	Webinar on Application of Functionalized Nanotubes in Nano Medicines	Reva University	29-05-2020
11	Two day workshop on “Application of modeling Techniques in Environmental Engineering”	Department of Civil Engineering, B.M.S College of Engineering	4-5 July 2014
12	National Seminar on “Zero Waste Management” sponsored by Karnataka State Pollution Control Board, GOK	JSS Academy of Technical Education, Bangalore.	24 th August, 2012
13	Workshop on “Research Methodologies and Latex”	Vidya Vardhaka College of Engineering, Mysore	21-22 November 2011
14	2-day Workshop on “CAD and MAT Lab” Under Staff Development Program	NMAM Institute of Technology, Nitte.	30-31 July, 2007
15	3-day Workshop on “Competency Based Curriculum Design” sponsored by TEQIP of World Bank through Government of India	SJCE, Mysore	2-4 August, 2007
16	Two-Day Regional Seminar on	Dept. of Environmental	30-31 March,

	“Intellectual Property and Innovation Management in Knowledge Era” and Regional Sensitization Workshop on “How to Protect and Promote Traditional Products – Handicrafts, Natural, Agricultural and Industrial Goods”,	Engineering, SJCE, Mysore	2007
17	TEQIP Sponsored 5-day Workshop on “Safety and Security of Environmental Facilities”	Dept. of Environmental Engineering, SJCE, Mysore	4-8 September, 2006
18	Two-day International Conference on “Water and Health”	S.J. College of Engineering, Mysore and JSS Medical College, Mysore	22-23 January, 2005
19	AICTE sponsored two days National Seminar on “Advanced Technologies in Industrial Hazardous Waste Management”	Dept. of Environmental Engineering, SJCE, Mysore	6– 7December, 2004
20	AICTE sponsored 15 Days Faculty Upgradation Program on “Environmental Economics”	Dept. of Environmental Engineering, SJCE, Mysore	6– 18 September, 2004
21	AICTE Sponsored two days National Seminar on “Emerging Treatment Technologies for High and Medium Strength Wastewaters”	Dept. of Environmental Engineering, SJCE, Mysore	8-9 January, 2004.
22	National Seminar on “ENVIROSCITEC – 2000”	Dept. of Environmental Engineering, SJCE, Mysore	May 2000

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	5 Days Workshop on Geospatial Analytics	Department of Civil Engineering and funded by Karnataka Science and Technology Academy (KSTA), Department of Science & Technology, Government of Karnataka	26th to 30th September 2022	Coordinator
2	Environmental and Water Resource Management (ENWARM)-2015	Department of Civil Engineering in association with Karnataka Urban Water Supply & Drainage Board (KUWSDB), Bangalore, Indian Water Works Association (IWWA), Bangalore Centre	5 th and 6 th of November 2015	Coordinator

vi. Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education"	All India Council for Technical Education (AICTE), New Delhi	29 th May to 02 nd June 2023
2	3-day Workshop on "Competency Based Curriculum Design" sponsored by TEQIP of World Bank through Government of India	SJCE, Mysore	2-4 August, 2007
3	TEQIP Sponsored 5-day Workshop on "Safety and Security of Environmental Facilities"	Dept. of Environmental Engineering, SJCE, Mysore	4-8 September, 2006
4	AICTE sponsored two days National Seminar on "Advanced Technologies in Industrial Hazardous Waste Management"	Dept. of Environmental Engineering, SJCE, Mysore	06 th – 07 th December 2004
5	AICTE sponsored 15 Days Faculty Upgradation Program on "Environmental Economics"	Dept. of Environmental Engineering, SJCE, Mysore	06 th – 18 th September 2004
6	AICTE Sponsored two days National Seminar on "Emerging Treatment Technologies for High and Medium Strength Wastewaters"	Dept. of Environmental Engineering, SJCE, Mysore	08 th – 09 th January 2004.

8. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education"	All India Council for Technical Education (AICTE), New Delhi	02-06-2023	Obtained Certificate for successful completion of the course
2	Municipal Solid Waste Management in Developing Countries	École Polytechnique Fédérale de Lausanne and offered through Coursera	07-08-2020	92.8 %

9. Membership of Professional Bodies:

1. Life Membership in Institution of Engineers (India) (IEI) (A – 552933 - 7)
2. Life Membership in Indian Water Works Association (LM No.: 8395)

10. Any other information you will like to share about your professional experience

- 1) Appointed as **State level Technical committee expert member for “The Rural Drinking Water and Sanitation Department”, Karnataka** to work towards implementation of the Swachh Bharat Mission (Gramin), for setting up Faecal sludge treatment plants (FSTP) across rural Karnataka to manage black water.
- 2) **Doctoral Advisory Committee Member** for Examinations at **JSS Science and Technological University, Mysuru.**
- 3) Successfully completed the project on installation of **Biogas plant** at JSSATEB Boy’s Hostel.
- 4) Actively involved in obtaining “**Consent For Operation (CFO - Air, Water)**” for JSSATE from **Karnataka State Pollution Control Board, Bangalore.**
- 5) College Admission Committee member of JSSATE, Bangalore since 2021-22
- 6) Civil department NBA Criteria 2 and NAAC Criteria 1 coordinator.
- 7) Committee member for Sewage Treatment Plant renovation works and Water Softener Plant installation at JSSATEB.
- 8) Students’ Grievance Redressal Committee member of JSSATE, Bangalore.
- 9) CCTV committee and Eco club member of JSSATEB institution.
- 10) **Reviewer for Water Science and Technology Journal, IWA Publishing, London UK** and reviewed two papers viz., “Recovery of iron by jarosite crystallization and separation of vanadium by solvent extraction with extractant 7101 from titanium white waste liquid (TWL)” (**Reference No: WST-EM2111**) and “Removal of Chloride Ion from Simulated Wastewater by Waste Vitamins Tablets and Mechanism Analysis” (**Reference No: WST-D-22-00252R2**).
- 11) Actively worked for the consultancy project on “River Water Quality Monitoring of River Cauvery and Kabini at Srirangapatna, K.R. Nagar and Nanjangud”, under **NRCD, Ministry of Environment and Forest, Government of India, New Delhi**, September 2005 to April 2007.
- 12) Actively worked for the consultancy project on “Water Quality Predictions in River Kali Due to the Impact of Treated Effluent Discharge” to **M/S. West Coast Paper Mills Ltd., Dandeli**, June to December, 2006.
- 13) Actively worked for the consultancy project on “Design of Pumping Main from Singapura Ground Level Reservoir (GLR) to Bahubalinagar, Bangalore” to **Bangalore Water Supply and Sewerage Board (BWSSB), Bangalore**, June to September 2006.
- 14) Actively worked for the consultancy project on “Design of Effluent Pipe Outfall from WCPML ETP Junction Point to Kali River Basin” to **M/S. West Coast Paper Mills Ltd., Dandeli**, April to July, 2007.

Dr. Hemalatha H. N.

hemalathahn@jssateb.ac.in

Ph. +91 9886277025

Associate Professor

Department of Civil Engineering

JSS Academy of Technical Education

Bangalore 560060