



Congratulations.....

M. Tech – Env. Engg. (2020-2022)	HEMALATHA D S	– I rank
M. Tech – HSWE (2020-2022)	NIDHI A H	– I rank
B.E. (Batch 2018 – 2022)	BHOOMIKA B V	– I rank
	SINDHUJA URS C B	– II rank
	SADHANA P	– III rank
	ATHUL BABU	– IV rank

Ph. D. Awards...

Sl. No.	Name of the Candidate	Title	Guide Name
1	Dr. Deepthi B P	“HYDROLOGIC AND NONPOINT SOURCE POLLUTION MODELING OF CAUVERY RIVER BASIN, UPSTREAM OF KRS RESERVOIR USING SWAT MODEL”	Dr. Pushpa Tuppad and Dr. K.S. Lokesh
2	Dr. Najamussahar H Mulla	“RIVER WATER QUALITY MODELING FOR NON-POINT SOURCES”	Dr. B M Krishna
3	Dr. Srirashmi S.	“IMPACT OF ECOLOGICAL SANITATION ON HUMAN HEALTH AND AGRICULTURE”	Dr. D. Istalingamurthy and Dr. K.S. Lokesh

Articles Published...

- 1 Shamitha D, Suraj S, Nandini Hiremath, **Sadashiva Murthy B M and Hemalatha Prabhuswamy**. “Greywater Reclamation by Vermifilters”. International J. of Novel Research and Development (IJNRD), Vol: 8, Issue 8, 2023, ISSN: 2456–4184.
- 2 **Vishishtta Nagaraj, Lenita Infancia, Sadaf Anwari, Harshitha M and Sanjay K N** (2023), “Characterization of bioplastic prepared from composites of food waste”, IJNRD, Volume 8, Issue 8, ISSN: 2456-4184.
- 3 **Shobhan Majumder, Istalingamurthy D, Sadashiva Murthy B.M.** and Prakash B. M. “Sensitivity Analysis of microbial Desalination Cell (MDC) Technology and Comparison with Existing Biological Treatment Systems”, Journal of Propulsion Technology, Volume 44, No. 6, ISSN: 1001-4055.
- 4 **Shobhan Majumder, Istalingamurthy D., Sadashiva Murthy B. M., Prakash B. M.** " Impact of different electrodes, mediators, and microbial cultures on wastewater treatment and power generation in the microbial desalination cell (MDC)" Water Science and Technology (2023) Vol. 88 No.12 3194–3225.
<https://doi.org/10.2166/wst.2023.406>
- 5 **Shobhan Majumder, Istalingamurthy D., Sadashiva Murthy B. M., Prakash B. M.** " Impact of different external resistance, substrate and salt concentration on wastewater treatment and power generation in microbial desalination cell" Desalination and Water Treatment (2023), vol. 314, pp. 70-78
- 6 Sunil Shivakumar, Monisha Shanmuganathan, Ashantha Goonetilleke, Darryl Day, Archana Sarkar, Dharmappa Hagare, Basant Maheshwari, Ricky Spencer, Matadadoddi Nanjundegowda Thimmegowda, Damodhara Rao Mailapalli, Mihir Kumar Purkait, **Sadashiva Murthy Boohalli Mahadevappa**. “Managing floods in Chennai City as part of situation understanding and improvement project”, J. of World water policy – Wiley, 2023, 1 – 25, <https://doi.org/10.1002/wwp2.12119>
- 7 Issac, A. M., Harshitha, M. S., Lakshmi, T. V., Hagare, D., Maheshwari, B., Reynolds, J. K., Rao, L., **Tuppad, P.**, Prasad, S., Ynag, S., & Sivakumar, M. (2023). “Geospatial data and web based tools for managing irrigation infrastructure expansion projects”. World Water Policy, 9(3), 388–403. <https://doi.org/10.1002/wwp2.12130>
- 8 Dhandapani, Abisheg, Jawed Iqbal, Radhakrishnan Naresk Kumar, Ankur Bhardwaj, Deeksha Shukla, Ramya Sunder Raman, Sanyasihally Vasanthkumar Laxmi Prasad, and **Boohalli Mahadevappa Sadashiva Murthy** (2023). “Characterization of fine particulate matter water-soluble inorganic ions and estimation of aerosol acidity at three COALESCE network sites—Mysuru, Bhopal, and Mesra—in India”. Environmental Science and Pollution Research, 30(26), 69241-69257.
- 9 Priyan, R. Shanmuga, **Savitha Ulavi**, and SM Shiva Nagendra. (2023). “Source Apportionment of Ambient Fine Particle Size Distribution Using Positive Matrix Factorisation and Conditional Bivariate Probability Function in a Coastal Urban Area”. Journal of The Institution of Engineers (India): Series A, 104(3), 685-696.

- 10 Diksha Haswani, Ramya Sunder Raman, Kajal Yadav, Abisheg Dhandapani, Iqbal Jawed, R Naresh Kumar, Laxmi Prasad Sanyasihally Vasanth Kumar, Adi Yogesh, **Sadashiva Murthy**, and Kaggere Shivananjaiah Lokesh. “*Study of aerosol trace elements over three COALESCE network locations in India: Spatio-temporal variability, dry deposition and health risks*”, <https://doi.org/10.5194/egusphere-egu23-6113>, EGU General Assembly 2023.
- 11 Diksha Haswani, Ramya Sunder Raman, Kajal Yadav, Abisheg Dhandapani, Jawed Iqbal, Jawed, R. Naresh Kumar, S.V. Laxmi Prasad, Adi Yogesh, B.M. Sadashiva Murthy, K.S. Lokesh, Pollution characteristics and ecological risks of trace elements in PM_{2.5} over three COALESCE network sites - Bhopal, Mesra, and Mysuru, India, Chemosphere, 2023, 138203, ISSN 0045-6535, <https://doi.org/10.1016/j.chemosphere.2023.138203>.
- 12 Ananya S S, B. M. Krishna, Pradeeksha K R, Sindhu D R, Ullas R K, (2023) “Use of Coconut shell and waste sludge as a building construction material”, International research journal of Engineering Technology (IRJET) Vol No.10 (9): pp42-48. e-ISSN:2395-0056, p-ISSN:2395-0072
- 13 Ashokan D, B. M. Krishna, S. Saravan Niraimathi J (2023) “Flood inundation mapping (FIM) and climate change impact (CCI) using simulation model and GIS: A review”, International research journal of Engineering Technology (IRJET) Vol No.10 (11): pp176-187. e-ISSN:2395-0056, p-ISSN:2395-0072
- 14 Sujit Singh, Shivaswamy Mahesh, Mahesh Sahana. Hybrid Treatment of Hospital Wastewater Combining Continuous Flow Electrochemical Coagulation Coupled with Adsorption. J. of Water Air Soil Pollut (2023) 234:107, Vol.: (0123456789)13 <https://doi.org/10.1007/s11270-023-06083-4>
- 15 Thanushree Siddappa Mysuru, Mahesh Shivaswamy, and Mahadevaswamy Mahadevappa. "2D and 3D electrochemical degradation (ECD) of raw cotton industry wastewater (CIWW) using stainless steel and aluminium electrodes." Journal of Water and Health 21, no. 7 (2023): 856-868.
- 16 Thanushree M S, Mahadevaswamy Mahadevappa, Mahesh Shivaswamy, Sahana Mahesh and Chiranth Premanandasagar. Electrochemical treatment of real cotton fabric industry wastewater using copper and stainless steel electrodes, J. of Water, Sanitation and Hygiene for Development doi: 10.2166/washdev.2023.209
- 17 Shivaprasad, K. S., Mahesh, S., & Sahana, M. (2023). Hospital wastewater treatment coupling electrochemical coagulation and activated sludge process. Journal of Water, Sanitation and Hygiene for Development, 13(9), 655-668. (scopus) IF 1.786

R & D Projects...

Title: “Comparative study on Complete Cost Analysis of Intermittent V/s. 24X7 Water supply system for Urban Areas”

Funding amount: Rs. 40,27,300/-

Funding agency: CPHEEO (Central Public Health and Environmental Engineering Organization)

Feather in the cap...

Ms. Sinchana U. Gowda, 6th Sem, B.E. in Environmental Engineering completed the Self Learning Modules on Net – Zero Energy and Water Buildings conducted during Solar Decathlon India 2023-24. She is selected as a “Project partner” of team Ecovista for Solar Decathlon India 2023-24.

Dr. Vishishtta Nagaraj, Mrs. Hemalatha Prabhuswamy and Mr. Trishul A.M with **M.Tech. students** participated in National Level Training Camp conducted by Paryavaran Sanrakshan on 29th and 30th July 2023 at Shubodhini Convention hall, Hebbal, Mysuru where students exhibited the facilities related to environmental protection and conservation.

Mrs. Hemalatha D S was awarded with "His Holiness Jagadguru Dr. Sri Shivarathri Rajendra Mahaswamiji Gold Medal for obtaining highest marks in MSc – ODL Mode" during 13th Convocation of JSS Academy of Higher Education & Research, Mysuru scheduled 06 February 2023.

Mrs. Hemalatha D S was awarded with "First Rank Gold Medal " in M.Tech Environmental Engineering during 5th Convocation of JSS Science and Technology University, Mysuru scheduled on 20 March 2023.

Mr. Shivaprasad has successfully completed the online certification course on Environmental, Social & Governance (ESG) conducted from June 5, 2023 to August 287, 2023 jointly offered by Scheveran Cleanfix Academy and Department of Environmental Engineering, SJCE, JSSSTU, Mysuru.

Dr. Pushpa Tuppad, Dr. Vishishtta Nagaraj, Mrs. Thanushree M S, Mrs. Sahana M, Mr. Shivaprasad K S and Mrs. Hemalatha Prabhuswamy have successfully completed the 8 week NPTEL Online Certification course funded by the MoE, Govt. of India on Sustainable Engineering Concepts and Life Cycle Analysis by Prof. Brajesh Kumar Dubey from IIT, Kharagpur between July to September 2023.

Faculty as resource person...

- **Dr. Pushpa Tuppad** delivered invited guest lecture in department of Civil Engineering, The National Institute of Engineering, Mysuru on “DEWATS, Concept of Constructed Wetlands, Self-Purification of Streams” on 13.02.2023, 9:00 am to 10.30 am and “DEWATS, Concept of Constructed Wetlands, Self-Purification of Streams, Biomagnification and Bioaccumulation” on 15.02.2023, 2.30 pm to 4.00 pm.

- **Dr. Sadashiva Murthy B. M**, Professor and Head, Department of Environmental Engineering delivered a talk on Climate change Biological and Natural disaster Management at 204th Common Foundation course for Group A& B officers of GOK at Training Hall-4 Kabini Hostel, ATI, Mysuru on Wednesday 21st June 2023.
- **Dr. Sadashiva Murthy B. M**, delivered a video lecture on Environmental Issues in Business: Emissions, Water and Effluents for the Certificate programme on Environmental Social Governance, jointly conducted by Scheveran Cleanfix Academy and Department of Environmental Engineering, SJCE, JSSSTU, Mysuru.
- **Dr. Sadashiva Murthy B. M**, delivered a talk on LiFEstyle Management and Solution to Plastic Pollution the Theme of World Environment Day for the administrative officers of ITC Foods, Kadakola Industrial area, Nanjangud on 8th June 2023 organized as part of World Environment Day.
- **Dr. Sadashiva Murthy B. M**, delivered a talk on LiFEstyle Management for the Senior officers of BEML, Mysuru on 2nd June 2023 organized as part of World Environment Day at BEML.
- **Dr. Vishishtta Nagaraj**, Assistant Professor, Department of Environmental Engineering delivered a lecture on World Environmental Day on 9th June 2023 organized by Karnataka State Pollution Control Board, Hunsur Taluk, Mysuru.
- **Dr. Sadashiva Murthy B M** participated in the National capacity building workshop for “Safe Sanitation, Used Water Management and Mechanized Desludging” on 23rd and 24th November 2023 at Hotel Le Royal Meridien, Chennai, Tamil Nadu to discuss the planning and implementation strategy.
- **Dr. Sadashiva Murthy B M and Dr. D. Istalingamurthy** were invited as a Panel discussion member for a Concluding workshop on the “Clean Energy for Healthy Environments and Lives in India” (CE4HEAL-India) project activities on Wednesday, 29th November 2023, at Visveswaraya Hall (BSB, IITM) at 09:00 am IST jointly organized by the Department of Civil Engineering, IIT Madras, and the National Centre for Epidemiology & Population Health, Australian National University.
- **Dr. Sadashiva Murthy B.M.** was invited as a panel member for STUNA2023 Mysuru, Students’ National Conference in the Heritage City Mysuru organized by National Institute of Personnel Management (NIPM) Mysore Chapter in Association with the Dept of Studies in Social Work, University of Mysore on Friday, 15th December 2023 at Senate Bhavan, Manasagangothri, Mysuru.
- **Dr. Pushpa Tuppad** presented a talk on “Hydrological Processes, rainfall-runoff and effectiveness of land management strategies modeling of upper Cauvery river basin” in one day National Conference on “Cauvery: Nature Presents and Man Disputes (NC-CNPAMD)”, organized by Prof. B. Shivalingaiah Felicitation Committee and Mandavya Group of Institutions (SBET), on 6 December 2023, Mandya.

Programs Organized...

Special lecture on ‘Geoinformatics – data sources and applications in Environmental Engineering’ by Dr. Vinay M., Faculty of Geoinformatics, Centre for Geoinformatics Technology, University of Mysore for 5th semester students on 30th January 2023 in the department seminar hall, Environmental Engineering, SJCE, JSSSTU, Mysuru.



Invited Talk on “Municipal Solid Waste Management in Mysuru city” by Mr. Madhukar M, Assistant Engineer, MCC, Mysuru on 21st Jan 2023 for 3rd semester students in the department seminar hall, Environmental Engineering, SJCE, JSSSTU, Mysuru.

Special lecture on “Life Cycle Assessment: Methodologies for Impact Quantification and Industrial Case Studies” by **Mr. Raviteja Hegde**, Chief Executive Officer, Paryaavaraneer Engineers & Consultants Private Limited on 21st Jan 2023 for 5th semester students, department seminar hall, Environmental Engineering, SJCE, JSSSTU, Mysuru.



Dr. Sadashiva Murthy. B. M., Professor and Head of the Department along with the other department staff organized “A Thanks giving Event on behalf of International women's day 2023, as a token of gratitude for all Housekeeping staff and maintenance staff of JSSSTU, Mysuru for keeping our campus clean and green” on March 8th 2023, 4 pm onwards at SJCE Auditorium, SJCE, JSSSTU, Mysuru.

The Department of Environmental Engineering, in association with District Legal Services authority, KSPCB and RDWS & SD celebrated "World Water Day 2023, with the theme "Accelerating Change" on Friday 31st March 2023 at 11.00 am at CMS Seminar Hall, JSSSTU, Mysuru. Sri Devaraj Bhute, Senior Civil Judge and Member Secretary, District Legal Services Authority, Mysuru and Sri G R Ganeshan, Regional Environmental Officer, Karnataka State Pollution Control Board, Mysuru, were the Guest of Honour. Sri M N Krishnamurthy, Superintending Engineer, Rural Drinking Water Supply and Sanitation Division, Mysore Circle, Mysuru was the Guest Speaker for the occasion.



As part of AICTE jointly with **Energy Swaraj Foundation (ESF)** launched a **G-20** initiative on **Youth Action for Climate Correction (YACC)** in line with mission LIFE of Hon. Prime Minister. In this regard, the faculty members and students of Environmental Engineering department registered for the Course Module on Energy Literacy, and successfully completed and received certificates on or before 23rd March, 2023.

Student Orientation Program was conducted on "Climate Change and Environmental Education" organized by department of Environmental Engineering in association with CEE, UNICEF and CMF at CMS Seminar Hall, JSSSTU, Mysuru on 17th April 2023. Resource Persons: Dr. Shruthi B V Rajesh, Training Coordinator, CEE, Bengaluru Dr. Susmitha B, Master Trainer, MSW, JSS College of Arts, Ooty Road, Mysuru.



A "Career Guidance Program" was organized for 6th sem UG students from Career Launcher, Mysuru in department seminar hall on 26th April 2023 at 11.00 AM; Resource person: Mrs. Geetha R. Shah, Manager— Business Development, Career Launcher, Mysuru.

Energy Swaraj Foundation, jointly with, Atal Innovation Mission (AIM), Niti Aayog and All India Council for Technical Education (AICTE) had organized the World's Largest Global Climate Clock Assembly and Display event on the occasion of Mother Earth Day, 22nd April 2023. In this regard, our department successfully assembled and installed Do it Yourself (DIY) climate clock kit, and created awareness about the climate change.



As part of World Environment Day 2023, Department of Environmental Engineering in collaboration with NSS, SJCE, JSS STU, Mysuru commemorated World Environment Day on 5th June 2023 in campus by creating awareness on environment through street play, Sapling plantation in campus and awareness program by students at JSS Public School.

A certificate course on 'Environmental Social Governance' was inaugurated on World Environmental Day (5th June 2023) at CS-IS Seminar hall, JSS STU at 11:30 am. The course is offered by department of Environmental Engineering, JSSSTU as part of MOU with Scheveran Cleanfix Academy Mysuru. Course coordinator: **Prof. Savitha U. Ulavi.**





A Feedback interview on the impact of Youth for Governance Fellowship (Y4G) held in Mysuru, a fellowship program by Grassroots Research and Advocacy Movement (GRAAM) in association with Participatory Research in Asia (PRIA), and Hanns Seidel Foundation (HSF) was held at Department of Environmental Engineering, SJCE by Ms. Grace Kwan, Cornell University, USA and Mr. Vijay KM coordinator GRAAM on Thursday 6th July 2023.

"Meri Maati Meri Desh" campaign was conducted by department of Environmental Engineering on 15th August 2023 near SJCE Quadrangle, SJCE, JSS TIC, Mysuru. Coordinator of the event: **Mr. Chandrashekar B.** The 77th Independence Day was celebrated in the campus quadrangle by hoisting our National flag and "Planting saplings" by Dr. A.N. Santosh Kumar, Honorable Vice Chancellor, Prof. Dr. S.A. Dhanaraj, the Registrar, and Dr. C. Nataraju, the Principal, JSSSTU, Mysuru in the presence of all the University Officers, Heads of Departments, Faculty members, non-teaching staffs, Students, NCC Cadets, NSS volunteers, and Fellow citizens. "Mitti Anthem" song was sung by team members of Naada - Music Club of JSS STU to perform singing patriotic songs in honor of Independence.



As a part of 'Swachhata Pakhwada-Swachhata Hi Sewa (SHS) 2023', a massive cleanliness drive led by people was held on 1st October 2023 at 10 am across the country as a tribute to Mahatma Gandhi on the eve of his birth anniversary on 2nd October 2023.



Alumni Guest lecture on Competitive Exams in Environmental Engineering by **Karan**, Environmental Officer, Ministry of Finance, Government of India on 29th May 2023.

Lecture for 4th semester BE students on “Carrier planning and development” by **Rohith Hiremath**, Vice President, Goldsman Sach, New York city on 15th July, 2023 at Environmental Engineering department seminar hall (IP003), SJCE, JSS STU, Mysuru.



Paryavaran Sanraksha conducted a National Level Training Camp on 29th and 30th July 2023, for which department of Environmental Engineering exhibited the facility related to environmental protection and conservation. Dr. Vishishtta Nagaraj, Mrs. Hemalatha Prabhuswamy and Mr. Trishul A.M with M.Tech. students exhibited the laboratory equipments related to water quality analysis and air quality monitoring

Technical talk on “Opportunities in Startup Ecosystem” by **Mr. Shivashankar B**, Chief Executive, SJCESTEP on 3rd August 2023 for 1st Year M.Tech., Environmental Engineering students at department seminar hall, JSSSTU Campus, Mysuru.



Technical Talk for 7th semester UG students on Role of Engineers in Climate Resilience by **Prof. Dr. Jagannatha Venkataramaiah**, a distinguished former scientist/engineer from ISRO on 7th October 2023, 12 noon in Department seminar hall, SJCE, JSS TIC, Mysuru.

Interactive session on “Career Planning and Opportunities, discussion on Bio-mining and other recent environmental issues” by Alumni Speakers: **Mr. Madhukar M**, Assistant Engineer, MCC, Mysuru, **Gopan Gowda Patil** and **Paramesh** with 7th semester UG students on 15th December 2023 at Department seminar hall.



Felicitation to Mr. K. S. Gurupadaswamy, Assistant Instructor, B. Sc. on 30.05.2023



Felicitation to Mr. Nanjaiah, Group D (NGA, Office) on 31.10.2023



Industrial visit...

- On 13th January 2023, the students of 5th semester, BE., Environmental Engineering, Sri Jayachamarajendra College, JSS Science and Technology University, Mysuru went on a field visit to the Municipal and Biomedical solid waste processing and disposal sites. The sites included Kumbara Koppal and J P Nagara Zero Waste Management Centre, Jagruth Tech Pvt. Ltd., and Global Integrated Professional Services (GIPS) Gujje Gowdanapura. 45 Environmental engineering students under the guidance of faculties (**Dr. Vishishtta Nagaraj**, **Mr. Chandrashekar** and **Mrs. Hemalatha**) benefited by enriching their knowledge on the process and importance of waste management.

- An industrial visit to the water treatment plant situated in Thoraikadanahalli, managed by BWSSB(Bangalore Water Supply and Sewerage Board) in collaboration with Degremont Pvt. Ltd. was organised for the students of 5th Semester, Environmental Engineering students on 4 January 2023. 45 Environmental engineering students under the guidance of faculties (**Dr. D Istalinga Murthy, Mr. B P Shivakumar and Trishul A M**) benefited by enriching their knowledge on the working of a water treatment plant.



- Environmental Engineering Department staff visited the Infosys campus at Mysuru on 14/02/2023 at 2.30 PM where areas such as training centres, development centres, learning centres, accommodation facilities, food courts, sports facilities, gym and fitness facility, shopping facility, transport and parking facility and so on were covered. The main objective of the visit was to know about the best practices followed for waste management.



- Department faculties along with M.Tech students visited the M/s Asian Paints on 10.08.2023 at 11.00am. the industry is located at Immavu Village of Nanjangud taluk in Mysuru district.
- Department faculties along with M.Tech students visited the M/s Reid & Taylor on 10.08.2023 at 03.00PM. the industry is located at Thandya Industrial Area, Thandavapura, Nanjangud taluk in Mysuru district.



- An industrial visit to the water treatment plant situated in Thoraikadanahalli, managed by BWSSB (Bangalore Water Supply and Sewerage Board) in collaboration with Degremont Pvt. Ltd. was organised for the students of 5th Semester, Environmental Engineering department on 24th November 2023. 46 students were accompanied by 3 faculty: **Mr. B P Shivakumar, Trishul A M** and **Mr. Manjesh** for the field visit.



- Municipal and Biomedical Waste Management Plant visit for 5th Semester students of Environmental Engineering department. Industrial visit to Zero Waste Management (ZWM) Plant at Kumbara Koppal, Kesare Solid Waste Treatment Plant, Mysuru, Jagruth Tech Pvt. Ltd., Mysuru and Global Integrating Professional Services (Biomedical waste management plant) was organised on 15th December 2023. 46 students were accompanied by **Mr. Madhukar M**, Assistant Engineer, MCC, Mysuru and 2 faculty from the department: **Mr. Chandrashekar B** and **Sahana M**.



Editorial...

I wish to convey my sincere thanks to all the faculty members for rendering their sincere service and to achieve new milestones and bench marks. I would like to congratulate the students who have excelled in their academics and extracurricular.

Dr. Sadashiva Murthy, B. M.
Professor and Head