# Dr. MANJUNATH S V

Assistant Professor (Senior) | BMS College of Engineering

## PROFESSIONAL STATEMENT

Intend to excel in engineering practice, research and management associated with the protection of the environment and human health. Willing to play a key role in the analysis of the behaviour of complex natural and engineered environmental systems, and design infrastructure in a sustainable way to meet societal needs through teaching and research.

## COMMUNICATION


**Phone:**

+91 8660 786 053

**Email:**

manjunathsv.civ@bmsce.ac.in

**Alternate Email:**

manju.vallabha@gmail.com

**Address:**

Room no.: 7005,

7th Floor, PG Block,

Department of Civil Engineering,

BMS College of Engineering,

Basavanagudi,

Bangalore- 560019

State: Karnataka

Country: India


## EDUCATION

| Course | Specialization | Institution | Year |
|---|---|---|---|
| **Ph.D.** | Environmental Engineering | Indian Institute of Technology Madras, Chennai, India | [2020] |
| **M.Tech.** | Environmental Engineering | Sri Jayachamerajendra College of Engineering (Autonomous), Mysuru, India | [2014] |
| **B.E.** | Civil Engineering | Basaveshwar Engineering College (Autonomous), Bagalkot, India | [2011] |

## RESEARCH INTERESTS

1. Application of Adsorption Process, Advance Oxidation Process and Electro-catalysis and Photo-catalysis for Water and Wastewater Treatment
2. Emerging Contaminants Removal from Aqueous Environment
3. Valorization of Invasive Weeds into Biochar for Organic and Inorganic Pollutants Removal
4. Development of Innovative Technologies for Water and Wastewater Treatment
5. Industrial Waste Treatment

## PROFESSIONAL EXPERIENCE

+ **Assistant Professor** **[02-11-2020 – Current]**

  Department of Civil Engineering, BMS College of Engineering, Bangalore, India.

+ **Institute Pre-Doctoral Fellow** **[11-01-2020 – 10-07-2020]**

  Environmental and Water Resource Engineering Division, Department of Civil Engineering, Indian Institute of Technology Madras, Chennai, India.

+ **Doctoral Scholar and Teaching-Research Assistant** **[14-07-2015 – 10-01-2020]**

  Environmental and Water Resource Engineering Division, Department of Civil Engineering, Indian Institute of Technology Madras, Chennai, India.

+ **Assistant Professor** **[04-08-2014 – 06-06-2015]**

  Department of Civil Engineering, KLE College of Engineering and Technology, Chikodi, Belgaum, India.

+ **Project Assistant** **[07-08-2013 – 30-09-2013]**

  TVS Motor Company Limited, Mysuru, India.

+ **Lecturer** **[18-07-2011 – 30-08-2012]**

  Department of Civil Engineering, LNBC Institute of Engineering and Technology, Satara, India.

## WEB PROFILES

Google
*https://www.manjunathsv.in*

ORCID
*https://orcid.org/0000-0002-6461-5691*

Google Scholar
*https://scholar.google.co.in/citations?user=WWm4-LQAAAAJ&hl=en*

Scopus
*https://www.scopus.com/authid/detail.uri?authorId=7003310630*

Web of Science
*https://www.webofscience.com/wos/author/record/AAE-7998-2020*

LinkedIn
*https://www.linkedin.com/in/svmanjunath/*

ResearchGate
*https://www.researchgate.net/profile/Manjunath-S-V*

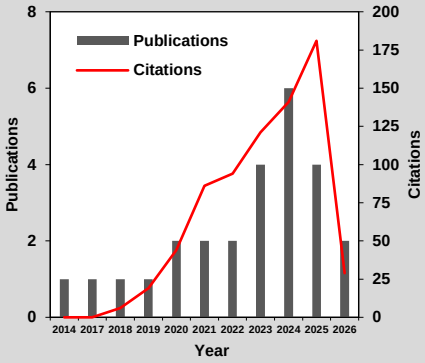
BMSCE
*https://bmsce.ac.in/home/facultyProfile/398/Dr-MANJUNATH-S-V*

## JOURNALS

21. **Manjunath S V**, Syeda Rabia Asma, Rajkumar Reddy, Bhojaraja Mohan, Girish C R, *Acetaminophen and Tetracycline Removal Using Prosopis Juliflora-Derived ZnO-Modified Biochar: Evaluation in Batch and Continuous Systems*, ACS Omega, American Chemical Society, 2026, DOI: 10.1021/acsomega.5c12318 [JIF: 4.3, Quartile: Q1, H-index: 120]
20. **Manjunath S V**, Girish C R, Sreenivasa Murthy A, Shiva Prasad N, Manjunath N K, Ramya H R, Sachidananda B, Shuvanjan B, Sutheertha A, *Valorization of Fly Ash and GGBS Derived Green Concrete Composite for Simultaneous Removal of Nitrate and Phosphate from Aqueous Systems*, Chemical Engineering Journal Advances, 25, 2026, 100964, DOI: 10.1016/j.ceja.2025.100964 [JIF: 7.1, Quartile: Q1, H-index: 43]
19. Nayanathara O S, **Manjunath S V**, Rebekah Rubidha Lisha Rabi, *Nanotechnology-based Approaches for the Removal of Microplastics from Wastewater: A Comprehensive Review*, Beilstein Journal of Nanotechnology, 16, 1607-1632, 2025, DOI: 10.3762/bjnano.16.114 [JIF: 2.7, Quartile: Q2, H-index: 88]
18. **Manjunath S V**, Benakesha P, Prathvini B M, Manjunath N K, Sreenivasamurthy A, Shivaprasad N, Venkataramaiah G, Arvind Chavan, *Persulfate-Assisted Electrochemical System for Pharmaceuticals and Personal Care Products Removal: Performance Evaluation, Kinetics and Energy Assessment*, Journal of Hazardous Materials Advances, Elsevier, 18, 2025, 100763, DOI: 10.1016/j.hazadv.2025.100763 [JIF: 7.7, Quartile: Q1, H-index: 30]
17. **Manjunath S V**, Pratheek C N, Nayanathara O S, Meghashree M, Rakshitha D, Venkataramaiah G, *Valorization of Parthenium hysterophorus Weed into Biochar for Adsorptive Removal of Industrial Dyes from Multi-pollutant Aqueous Systems*, Biomass Conversion and Biorefinery, Springer Nature, 15, 24227-24241, 2025, DOI: 10.1007/s13399-024-05534-0 [JIF: 4.0, Quartile: Q2, H-index: 39]
16. **Manjunath S V**, Rakshitha D, Meghashree M, Kumaraswamy GP, Nayanathara O S, *Parthenium hysterophorus Invasive Weed Valorization Into Biochar for Removal of Pharmaceuticals and Personal Care Products: Competitive Adsorption Analysis via Batch and Fixed–bed Column Systems*, Journal of Water Process Engineering, Elsevier, 68, 2024, 106578, DOI: 10.1016/j.jwpe.2024.106578 [JIF: 6.7, Quartile: Q1, H-index: 110]
15. Nayanathara O S, **Manjunath S V**, Aswathy E V, *Azadirachta indica Leaf Extract Based Green-synthesized ZnO Nanoparticles Coated on Spent TeaWwaste Activated Carbon for Pharmaceuticals and Personal Care Products Removal*, Environmental Research, Elsevier, 252, 2024, 119047 DOI: 10.1016/j.envres.2024.119047 [JIF: 8.3, Quartile: Q1, H-index: 179]
14. Praveengouda Patil, Gautham Jeppu, **Manjunath S V**, Girish C R, *Enhanced Adsorption of Phenolic Compounds Using Biomass-derived High Surface Area Activated Carbon: Isotherms, Kinetics and Thermodynamics*, Environmental Science and Pollution Research, Springer Nature, 31, 2024, 67442-67460, DOI: 10.1007/s11356-024-32971-1 [JIF: 5.8, Quartile: Q1, H-index: 154]
13. **Manjunath S V**, Umesh S B, Nayanathara O S, *Evaluation of Peroxide Assisted Multi-oxidation Systems for Simultaneous Removal of Pharmaceutical Active Compounds from Aqueous Environment,* Journal of Environmental Chemical Engineering, Elsevier, 11(5), 2023, 110601, DOI: 10.1016/j.jece.2023.110601 [JIF: 7.7, Quartile: Q1, H-index: 107]
12. **Manjunath S V,** Yakshith B R, Meghashree M, *Synergistic Analysis for Co-treatment of Poultry Wastewater and Sewage in Electro-chemical System: Effect of Operational Parameters, Kinetic Study and Energy Estimation,* Results in Engineering, Elsevier, 19, 2023, 101275, DOI: 10.1016/j.rineng.2023.101275 [JIF: 5.0, Quartile: Q1, H-index: 24]
11. Nayanathara O S, **Manjunath S V**, Aswathy E V, *Adsorptive Removal of Pharmaceutically Active Compounds from Multicomponent System Using Azadirachta Indica Induced Zinc Oxide Nanoparticles: Analysis of Competitive and*

## PUBLICATION METRICS

(as on March, 2026)




*(Reference: Google Scholar)*

| Quartiles | No. of Journal Articles |
|---|---|
| Q1 | 15 |
| Q2 | 4 |
| Q3 | - |
| Q4 | - |
| Others | 2 |

*(Reference: Scopus Database)*

### Web of Science

Documents Indexed: **21**

Citations: **~525**

H-index: **11**

### Scopus

Documents Indexed: **23**

Citations: **~650**

H-index: **13**

### Google Scholar

Citations: **~725**

H-index: **12**

*Cooperative Adsorption*, Water Science and Technology, IWA Publishing, 82, 2023, 284-303, DOI: 10.2166/wst.2022.428 [JIF: 2.43, Quartile: Q2, H-index: 145]

10. Priyanka Yadav M S, Nayanathara O S, **Manjunath S V**, Abinaya S, Aswathy E V, George K V, *Competitive Adsorption Analysis of Antibiotics Removal from Multi-Component Systems Using Chemically Activated Spent Tea Waste: Effect of Operational Parameters, Kinetics, and Equilibrium Study*, Environmental Science and Pollution Research, Springer Nature, 30, 2023, 42697–42712. [DOI: 10.1007/s11356-022-22323-2 [JIF: 5.19, Quartile: Q1, H-index: 132]
9. **Manjunath S V**, Pratheek C N, Anil Kumar K M, *Competitive and Cooperative Adsorption Analysis for Dyes Removal from Multi-Component System Using Prosopis juliflora Activated Carbon*, Environmental Science and Pollution Research, Springer Nature, 30, 2022, 90362-90382, DOI: 10.1007/s11356-022-24721-y [JIF: 5.19, Quartile: Q1, H-index: 132]
8. **Manjunath S V**, Mathava Kumar, *Simultaneous Removal of Antibiotic and Nutrients via Prosopis Juliflora Activated Carbon Column: Performance Evaluation, Effects of Operational Parameters and Breakthrough Modelling,* Chemosphere, Elsevier, 262, 2021, 127820, DOI: 10.1016/j.chemosphere.2020.127820 [JIF: 8.943, Quartile: Q1, H-index: 248]
7. **Manjunath S V**, Binay Kumar Tripathy, Sreepriya Pramod, Mathava Kumar, *Simultaneous Degradation of Anionic and Cationic Dyes from Multi-dye Systems Using Falling Film Photoreactor: Performance Evaluation, Kinetic and Toxicity Analysis*, Journal of Environmental Chemical Engineering, Elsevier, 8(6), 2020, 104486, DOI: 10.1016/j.jece.2020.104486 [JIF: 5.909, Quartile: Q1, H-index: 72]
6. **Manjunath S V**, Ranu Singh Baghel, Mathava Kumar, *Antagonistic and Synergistic Analysis of Antibiotic Adsorption on Prosopis Juliflora Activated Carbon in Multicomponent Systems,* Chemical Engineering Journal, Elsevier, 381, 2020, 122713, DOI: 10.1016/j.cej.2019.122713 [JIF: 13.273, Quartile: Q1, H-index: 223]
5. Manjunath S V, Ranu Singh Baghel, Mathava Kumar, *Performance Evaluation of Cement–Carbon Composite for Adsorptive Removal of Acidic and Basic Dyes from Single and Multi-component Systems*, Environment Technology and Innovation, Elsevier, 16, 2019, 100478, DOI: 10.1016/j.eti.2019.100478 [JIF: 5.263, Quartile: Q1, H-index: 28]
4. **Manjunath S V,** Mathava Kumar, *Evaluation of Single-component and Multi-component Adsorption of Metronıdazole, Phosphate and Nitrate on Activated Carbon from Prosopıs Julıflora*, Chemical Engineering Journal, Elsevier, 346, 2018, 525-534, DOI: 10.1016/j.cej.2018.04.013 [JIF: 13.273, Quartile: Q1, H-index: 223]
3. **Manjunath S V**, Mathava Kumar, Huu Hao Ngo, Wenshan Guo, *Metronidazole Removal in Powder Activated Carbon and Concrete Containing Graphene Adsorption Systems: Estimation of Kinetic, Equilibrium and Thermodynamic Parameters and Optimization of Adsorption by Central Composite Design*, Journal of Environment Science and Health, Part A, Taylor and Francis, 52(8), 2017, 1269-1283, DOI: 10.1080/10934529.2017.1357406 [JIF: 2.269, Quartile: Q2, H-index: 71]
2. **Manjunath S V**, Pratheek C N, *Adsorptive Removal of Indigo Carmine Dye Using Activated Carbon: Kinetic and Isotherm Study*, Journal on Material Science, I-manager, 10(1), 2022, 24-30. [DOI: 10.26634/jms.10.1.18957]
1. Mahesh S, **Manjunath S V**, Mahadevaswamy M, *Settling and Filterability Studies of Electrochemically Treated Pulp and Paper Mill Wastewater for Removal of COD and SVI Control,* International Journal of Engineering and Scientific Research, 2(8), 2014, 83-94.

## BOOK CHAPTERS

5. **Manjunath S V**, Pratheek C N, Umesh S Biradar, Meghashree M, Rakshitha D, *Simultaneous Degradation of Anionic and Cationic Dyes Using Electro-chemical and Photo-chemical Techniques from Multi-component Systems: A Review*, Nutrients and Coloured Compounds in Wastewater, Elsevier, 2025, DOI: 10.1016/B978-0-443-21701-2.00022-2 [ISBN: 9780443217012] Editors: Abu Zahrim Yaser, Junidah Lamaming, Daniel Johnson, Nidal Hilal

4. **Manjunath S V**, Rakshitha D, Meghashree M, *Contemporaneous Adsorption Analysis for Removal of Dyes from Multi-dye System*, Environmental Engineering for Ecosystem restoration, Springer. 2024, DOI: 10.1007/978-981-97-0910-6_14 [Print ISBN: 978-981-97-0909-0, Online ISBN: 978-981-97-0910-6] Editors: N. Vinod Chandra Menon, Sreevalsa Kolathayar, K. S. Sreekeshava

3. **Manjunath S V**, Khushi R Babu, Prathvini B M, Benakesha P, *Electrochemical Systems for Degradation of Colored Compounds from Textile Industry Effluent*, Environmental Engineering for Ecosystem restoration, Springer, 2024, DOI: 10.1007/978-981-97-0910-6_13 [Print ISBN: 978-981-97-0909-0, Online ISBN: 978-981-97-0910-6] Editors: N. Vinod Chandra Menon, Sreevalsa Kolathayar, K. S. Sreekeshava

2. **Manjunath S V**, Meghashree M, Rakshitha D, *Competitive Adsorption Analysis for Removal of Methyl Orange and Rhodamine-B Dyes Using Fixed-Bed Carbon Column*, Environmental Engineering for Ecosystem restoration, Springer, 2024, DOI: 10.1007/978-981-97-0910-6_15 [Print ISBN: 978-981-97-0909-0, Online ISBN: 978-981-97-0910-6] Editors: N. Vinod Chandra Menon, Sreevalsa Kolathayar, K. S. Sreekeshava

1. **Manjunath S V**, Mathava Kumar, *Removal and Recovery of Nutrients Using Low-cost Adsorbents from Single-component and Multi-component Adsorption Systems*, Resource and Energy Recovery and Reuse, Wiley VCH, 2021, DOI: 10.1002/9783527825394.ch15 [ISBN: 9783527347223] Editors: Wenshan Guo, Huu Hao Ngo, Rao Y Surampalli, Tian C Zhang

## CONFERENCES

22. Mohammed Muzakir, **Manjunath S V**, *Harnessing Construction and Demolition Waste for Sustainable Nutrient Pollution Control*, International Conference on Frontier Innovations in Interdisciplinary Sciences, Ecology and Biotechnology for Sustainable Development (INSECT 2025), 2-3 Oct, 2025, Green Research Connect (GRC), Asia.

21. Swarnalatha Kollam, **Manjunath S V**, *Sustainable and Affordable: A New Era for Phenolic Wastewater Treatment*, International Conference on Frontier Innovations in Interdisciplinary Sciences, Ecology and Biotechnology for Sustainable Development (INSECT 2025), 2-3 Oct, 2025, Green Research Connect (GRC), Asia.

20. Nishanth B, **Manjunath S V**, *Performance Evaluation of Industrial Waste-Based Concrete Composites for the Removal of PPCPs and Dyes from Aqueous Systems*, International Conference on Frontier Innovations in Interdisciplinary Sciences, Ecology and Biotechnology for Sustainable Development (INSECT 2025), 2-3 Oct, 2025, Green Research Connect (GRC), Asia.

19. Rajkumar Reddy, Syeda Rabia Asma, **Manjunath S V**, *Valorization of Prosopis Juliflora Biochar for Adsorptive Removal of Emerging Pollutants*, International Conference on Pesticides and Related Emerging Organic Pollutants - Impact on the Environment and Human Health and Its Remediation Strategies, 7–9 Nov 2024, East Point College of Engineering, Bangalore, India.

18. Syeda Rabia Asma, Rajkumar Reddy, **Manjunath S V**, *Adsorptive Removal of Pharmaceutically Active Compounds from Aqueous Environment Using ZnO Coated Invasive Weed Biochar*, International Conference on Pesticides and Related Emerging Organic Pollutants - Impact on the Environment and Human Health and Its Remediation Strategies, 7–9 Nov 2024, East Point College of Engineering, Bangalore, India.

17. **Manjunath S V**, Prathvini B M, Benakesh P, *Electrochemical Systems for Degradation of Colored Compounds from Textile Industry Effluent*, G20 C20 International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD-2023), 7-8 July 2023, Jyothi Institute of Technology, Bangalore, India.

16. **Manjunath S V,** Rakshitha D, Meghashree M, *Contemporaneous Adsorption Analysis for Removal of Dyes from Multi-Dye System*, G20 C20 International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD-2023), 7-8 July 2023, Jyothi Institute of Technology, Bangalore, India.
15. **Manjunath S V**, Meghashree M, Rakshitha D, *Competitive Adsorption Analysis for Removal of Methyl Orange and Rhodamine-B Dyes Using Fixed-Bed Carbon Column*, G20 C20 International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD-2023), 7-8 July 2023, Jyothi Institute of Technology, Bangalore, India.
14. Benakesh P, **Manjunath S V**, *Oxidative Removal of Emerging Contaminants from Multicomponent System Using Electrochemical Technique*, International conference on Global Convergence in Technology and Entrepreneurship, Computing and Value Engineering: Principles and Practise (ICGCP-2023), 5-7 May 2023, Sapthagiri College of Engineering, Bangalore, India.
13. Prathvini B M, **Manjunath S V**, *Photochemical Oxidation of Pharmaceutically Active Compounds (PhACs) from Multicomponent System*, International conference on Global Convergence in Technology and Entrepreneurship, Computing and Value Engineering: Principles and Practise (ICGCP-2023), 5-7 May 2023, Sapthagiri College of Engineering, Bangalore, India.
12. Meghashree M, **Manjunath S V**, *Adsorptive Removal of Active Pharmaceutical Ingredients Using Parthenium hysterophorus Activated Carbon*, International conference on Global Convergence in Technology and Entrepreneurship, Computing and Value Engineering: Principles and Practice (ICGCP-2023), 5-7 May 2023, Sapthagiri College of Engineering, Bangalore, India.
11. Rakshitha D**, Manjunath S V**, *Parthenium hysterophorus Activated Carbon for Adsorptive Removal of Acetaminophen and Metronidazole from Multicomponent Systems*, International conference on Global Convergence in Technology and Entrepreneurship, Computing and Value Engineering: Principles and Practice (ICGCP-2023), 5-7 May 2023, Sapthagiri College of Engineering, Bangalore, India.
10. **Manjunath S V**, Apoorva S, Rakshitha D, *Application of Construction and Demolition Waste for Adsorptive Removal of Acidic and Basic Dyes*, International Conference on Advances in Engineering and Technology (ICAET-2023), Apr, 12-13, 2023, Government Engineering College KR Pet, Karnataka, India.
9. **Manjunath S V,** Meghashree M, Pratheek C N**,** *Competitive Adsorption Analysis of Anionic and Cationic Dyes Removal Using Parthenium Hysterophorus Activated Carbon*, 2nd International Conference on Advanced Materials for Health, Energy and Environment (AMHEE-2023), 28 Feb - 03 Mar 2023, JSS Science and Technology University, Sri Jayachamarajendra College of Engineering, Mysore, India.
8. **Manjunath S V**, Yakshith B R, Meghashree M, *Performance Evaluation of Electrochemical Treatment of Poultry Wastewater: Effect of Operational Parameters and Kinetic Study*, 7th International Conference on Recent Advancements in Chemical, Environmental and Energy Engineering (RACEEE-2023), Feb, 16-17, 2023, Sri Sivasubramaniya Nadar College of Engineering, Chennai, Tamil Nadu, India.
7. **Manjunath S V**, Pratheek C N, *Competitive Adsorption Analysis of Anionic and Cationic Dyes from Multicomponent Adsorption System Using Prosopis Juliflora Activated Carbon: Performance Evaluation, Effects of Operational Parameters, Kinetics and Isotherm Study*, International Conference on Advanced Material in Environment, Energy and Health Applications (AMEEHA-2022), Aug, 3-5, 2022, Pathumwan Princess Hotel, Bangkok, Thailand.
6. **Manjunath S V**, Umesh S Biradar, *Performance Evaluation of Photochemical and Electrochemical Techniques for Degradation of Pharmaceuticals and Personal Care Products: Effect of Operational Parameters and Kinetic Study*, International Conference on Advanced Material in Environment, Energy and Health Applications (AMEEHA-2022), Aug, 3-5, 2022, Pathumwan Princess Hotel, Bangkok, Thailand.

5. **Manjunath S V**, Pratheek C N, *Adsorptive Removal of Indigo Carmine Dye Using Activated Carbon: Kinetic and Isotherm Study*, National Conference on Research and Innovation in Civil Engineering and Architecture (RICEA2022), 28-30 July 2022, RV College of Engineering, Bangalore, Karnataka, India.
4. **Manjunath S V**, Mathava Kumar, *Simultaneous Removal of Antibiotic and Nutrients via Prosopis Juliflora Activated Carbon Column: Effects of Operational Parameters, Modelling and Performance Evaluation, International Conference on Green Technologies for Sustainable Water* (GTSW-2019), 1-5 Dec 2019, Nguyen Hue Boulevard, District 1, Ho Chi Minh City, Vietnam.
3. **Manjunath S V**, Mathava Kumar, *Application of Low-Cost Activated Carbon Prepared from Prosopis Juliflora for Metronidazole Removal*, International Conference on Environment, Health and Policy Nexus (ICEHPN-2017), 27-28 Jul 2017, J S S University, Mysuru, Karnataka, India.
2. **Manjunath S V**, Mathava Kumar, *Removal of Metronidazole from Aqueous Solution by Adsorption*, International Conference on Water: from Pollution to Purification (ICW-2016), 12-15 Dec 2016, School of Environmental Sciences, Mahatma Gandhi University Kottayam, Kerala, India.
1. **Manjunath S V**, Mahesh S, *Post ECC Settling and Filterability Studies of Slaughterhouse Wastewater,* 2nd International Conference on Current Trends in Engineering and Management (ICCTEM-2014), 17-19 Jul 2014, Vidyavardhaka College of Engineering, Mysuru, Karnataka, India.

## PATENTS

2. *Apparatus for Predicting Anti-Inflammatory and Antioxidant Activity of Plant Extract,* Patent No. 465948-001, Indian Patent Office, 2025
1. *Heavy Metal Detection Gloves for Liquid Analysis With Color Changing Nanotechnology,* Patent No. 463522-001, Indian Patent Office, 2025

## PROFESSIONAL MEMBERSHIPS

2. Indian Society for Technical Education (Life Member): [LM102429]
1. Indian Concrete Institute (Life Member): [LM15265]

## HONORS AND AWARDS

4. **Award for Outstanding Research Publication (AORP: 2022-23)** [12 Jan 2024]

   In the field of Civil Engineering subject presented by the Vision Group on Science and Technology (VGST), Government of Karnataka.

3. **Best Paper Award** [16-17 Feb 2023]

   For the paper entitled "*Performance Evaluation of Electrochemical Treatment of Poultry Wastewater: Effect of Operational Parameters and Kinetic Study*" presented at 7th International Conference on Recent Advancements in Chemical, Environmental and Energy Engineering (RACEEE-2023), SSN College of Engineering, Chennai, India.

2. **Prof. T P Halappa Gowda Endowment Award** [2nd Nov 2014]

   For scoring highest CGPA (9.83) in M.Tech. in Environmental Engineering at SJCE Mysore.

1. **First Rank Gold Medal** [2nd Nov 2014]

   For securing the first rank in M.Tech., SJCE Mysore.

## FUNDED PROJECTS

| | Project Title | Funding Agency | Year / Amount/ Status |
|---|---|---|---|
| 12. | Design and Development of Adsorption Systems for Removal of Organic and Inorganic Pollutants, CO-PI: Dr. Shiva Prasad N [R&D/FRPS-3/2025-26/CV/3-08] | FRPS, BMSCE | 2025<br>1000000<br>Ongoing |
| 11. | Elimination of Emerging Contaminants Using ZnO Nanomaterial Immobilized on Biochar Derived from Prosopis Juliflora Invasive Weed [48S_MTECH_0020] | KSCST, GoK | 2025<br>6000 INR<br>Completed |
| 10. | Environmental Application of Geopolymer Concrete Containing C&D Waste for Water Purification [48S_BE_2437] | KSCST, GoK | 2025<br>5500 INR<br>Completed |
| 9. | Assessment of Electrochemical System for Oxidation of Industrial Dyes from Wastewater [IWWA/SRPP/2024/38] | IWWA | 2024<br>10000 INR<br>Completed |
| 8. | Pharmaceuticals and Personal Care Products Removal from Wastewater Using Electrochemical Technique [47S_BE_4041] | KSCST, GoK | 2024<br>7000 INR<br>Completed |
| 7. | Persulfate Based Photocatalytic System for Simultaneous Oxidation of Pharmaceutical Compounds from Wastewater [47S_MTech_005] | KSCST, GoK | 2024<br>7000 INR<br>Completed |
| 6. | Simultaneous Removal of Emerging Contaminants from Mono-component and Multi-component Adsorption Systems: Performance Evaluation in Batch and Continuous Mode [R&D/FRPS/2022-23/CV/02] | FRPS, BMSCE | 2022<br>200000 INR<br>Completed |
| 5. | Simultaneous Removal of Emerging Contaminants from Multi-Component Aqueous System Using Electro-Chemical Oxidation Technique [46S_MTech_014] | KSCST, GoK | 2023<br>6000 INR<br>Completed |
| 4. | Photocatalytic Degradation of Pharmaceutically Active Compounds (PhACs) from Aqueous Systems [46S_MTech_016] | KSCST, GoK | 2023<br>6000 INR<br>Completed |
| 3. | Performance Evaluation of Activated Carbon Synthesized Using Invasive Weed for Adsorptive Removal of Emerging Contaminants [46S_MTech_034] | KSCST, GoK | 2023<br>6000 INR<br>Completed |
| *2.* | Competitive and Cooperative Adsorption Analysis of Organic Pollutants Removal Using Parthenium Hysterophorus Activated Carbon [46S_MTech_036] | KSCST, GoK | 2023<br>6000 INR<br>Completed |
| 1. | Degradation of Pharmaceuticals and Personal Care Products Using Electro-chemical and Photo-chemical Techniques [45S_MTech_097] | KSCST, GoK | 2022<br>8000 INR<br>Completed |

## FELLOWSHIPS

4. Institute Predoctoral Fellowship for Research at IIT Madras. [Jan 2020 – Jul 2020]
3. MHRD Fellowship (HTRA) for Pursuing Ph.D. at IIT Madras. [Jul 2015 - Jan 2020]
2. Travel Bursary from IIT Madras for Attending International Conference (GTSW-2019) in Ho Chi Minh City, Vietnam. [Dec 2019]
1. GATE Fellowship for Pursuing M.Tech. at SJCE Mysore. [Sep 2012 - Aug 2014]

## PROJECT GUIDANCE

**PhD Scholars**

| Sl. No. | Student Name | Project Title | Date of Joining |
|---|---|---|---|
| 2. | Chandana B V | Sustainable Adsorption of Organic and Inorganic Pollutants from Aqueous System Using Valorized Waste Materials | 08-12-2025 [Ongoing] |
| 1. | Nagesh M D | Valorization of Invasive Weed-Derived Biochar Coated With Nanomaterials for PPCPs and Nutrient Removal | 24-03-2025 [Ongoing] |

**M.S. (Research)**

| Sl. No. | Student Name | Project Title | Date of Joining |
|---|---|---|---|
| 1. | Kumaraswamy G P | Adsorptive Removal of Antibiotics and Nutrients from Multipollutant Aqueous Systems Using Engineered Biochar from Invasive Weed | 06-02-2024 [Ongoing] |

**M.Tech.**

| Sl. No. | Student Name | Project Title | Date of Joining |
|---|---|---|---|
| 22. | Varshitha M B | Valorization of Cementitious Waste as Adsorbent for Removal of Phenols | 21-07-2025 [Ongoing] |
| 21. | Gayathri E | Removal of Dyes from Wastewater Using Cementitious Waste Composite | 21-07-2025 [Ongoing] |
| 20. | Abhishek K | Environmental Application of Geopolymer Concrete Containing C&D Waste for PPCPs Removal | 21-07-2025 [Ongoing] |
| 19. | Naveen Kumar L | Eco–friendly Geopolymer Concrete from Industrial Waste for Wastewater Treatment | 21-07-2025 [Ongoing] |
| 18. | Shrusti S | Application of C&D Waste for Removal of Nutrients from Aqueous Environment | 21-07-2025 [Ongoing] |
| 17. | Kavya S | Application of Composite from Industrial Byproducts for Adsorptive Removal of Phenolic Compounds | 15-10-2024 |
| 16. | Swarnalatha Kollam | Fixed-Bed Adsorptive Removal of Phenolic Compounds Using Industrial Waste Composite | 15-10-2024 |
| 15. | Nishanth B | Performance Evaluation of Industrial Waste-Based Concrete Composite for the removal of PPCPs and Dyes from Aqueous systems | 15-10-2024 |
| 14. | Mohammed Muzakkir | Mitigating nutrient pollution in aqueous environment using low-cost adsorbent from industrial waste composite | 15-10-2024 |
| 13. | Prithvi Raj B | Persulfate Based Photocatalytic System for Simultaneous Oxidation of Pharmaceutical Compounds from Wastewater | 06-10-2023 |

| | | | |
|---|---|---|---|
| 12. | Preetham N A | Evaluation of Persulfate Assisted Multi-Oxidant Electrochemical System for Oxidation of Pharmaceuticals and Personal Care Products | 06-10-2023 |
| 11. | Rajkumar Reddy | Valorization of Prosopis Juliflora Weed Into The Biochar for Adsorptive Removal of Emerging Pollutants Using Batch and Fixed-Bed Column | 06-10-2023 |
| 10. | Syeda Rabia Asma | Performance Evaluation of ZnO Coated Biochar Derived from Invasive Weed for Adsorptive Removal of Pharmaceutically Active Compounds from Aqueous Environment | 06-10-2023 |
| 9. | Meghashree M | Competitive and Cooperative Adsorption Analysis of Organic Pollutants Removal Using Parthenium Hysterophorus Activated Carbon | 17-10-2022 |
| 8. | Prathvini B M | Photo-Catalytic Degradation of Pharmaceutically Active Compounds (PhACs) from Aqueous Systems | 17-10-2022 |
| 7. | Benakesh P | Simultaneous Removal of Emerging Contaminants from Multi-Component Aqueous System Using Electro-Chemical Oxidation Technique | 17-10-2022 |
| 6. | Rakshitha D | Performance Evaluation of Activated Carbon Synthesized Using Invasive Weed for Adsorptive Removal of Emerging Contaminants | 17-10-2022 |
| 5. | Pratheek C N | Competitive Adsorption Analysis of Dyes from Multicomponent Adsorption System Using Prosopis Juliflora Activated Carbon | 16-08-2021 |
| 4. | Umesh S Biradar | Degradation of Pharmaceuticals and Personal Care Products Using Electro-Chemical and Photo-Chemical Techniques | 16-08-2021 |
| 3. | Yakshith B R | Removal of Nitrate and COD from Poultry Wastewater Using Electrochemical Treatment | 16-08-2021 |
| 2. | Khushi R Babu | Degradation of Anionic and Cationic Dyes Using Electro-Chemical Techniques: Effect of Operational Parameters and Kinetic Study | 16-08-2021 |
| 1. | Apoorva S | Adsorptive Removal of Acidic and Basic Dyes Using Composite Materials Synthesized Using Construction and Demolition Waste | 16-08-2021 |

**B.E.**

| Sl. No. | Name of Students | Project Title | Date of Joining |
|---|---|---|---|
| 9. | Amit Kumar Yadav<br>Ashish Pandey<br>MD. Amir | Synthesis of Sustainable Concrete Containing Biochar and Granite Powder | 05-03-2026<br>[Ongoing] |
| 8. | Surya P<br>Skanda<br>Sathvik<br>Srujan | Valorization of Cementitious Waste as Adsorbent for Removal of Phenols | 01-03-2025 |

| | | | |
|---|---|---|---|
| 7. | Prajwal YM<br>Samarth<br>Sankeerth<br>Shriram | Removal of Dyes from Wastewater Using Cementitious Waste Composite | 01-03-2025 |
| 6. | Shuvanjan Jung Basnet<br>Suteerth A<br>Sachidananda Benner<br>Ramya H R | Environmental Application of Geopolymer Concrete Containing C&D Waste for Water Purification | 01-11-2024 |
| 5. | Lathikesh Pangalur<br>Akash B R<br>Durgesh Nagmarpalli<br>Harsha Narayan | Eco – Friendly Geopolymer Concrete from Industrial Waste | 01-11-2024 |
| 4. | Indumathi<br>Meghashree<br>Rakshitha Swamy<br>Nisarga | Application of C&D Waste for Removal of Nutrients from Aqueous Environment | 28-07-2023 |
| 3. | Ananya P<br>Darshan N<br>Gagan R Naik<br>Samriddhi T | Persulfate Based Photocatalytic System for Simultaneous Oxidation of Pharmaceutical Compounds from Wastewater | 26-07-2023 |
| 2. | Sagar T Jadhav<br>Naveen Malage<br>Channabasava B<br>Rajani S Kolar | Adsorptive Removal of Dyes from Textile Industry Effluent | 11-02-2015 |
| 1. | Prabhakar Patil<br>Pradeep Kumar A<br>Kumar G<br>Sanjeev Kumar J | Solid Waste Management of Chikodi City in Belgaum | 11-02-2015 |

## INVITED TALKS

6. **Title:** Removal of Emerging Contaminants from Aqueous Environments
   **National Workshop:** Emerging Pollutants in the Environment: Current and Future Issues in Biomonitoring, Ecological Risks and Bioremediation
   **Organizer:** Department of Civil Engineering, Dayananada Sagar College of Engineering, Bangalore
   **Venue:** Dr. Premachandra Sagar Auditorium, DSCE Campus, Bangalore
   **Date:** 28-03-2024

5. **Title:** Recent Trends in Waste Reduction Technologies
   **Organizer:** Public Works Department, Government of Karnataka (Training to newly recruited AE and JE)
   **Venue:** Engineers Bhavan, Bangalore
   **Date:** 23-06-2023

4. **Title:** Environmental Awareness and Waste Management
   **Workshop:** Mission LiFE, MOEFCC
   **Organizer:** Central Power Research Institute
   **Venue:** Central Power Research Institute, Bangalore
   **Date:** 12-06-2023

3. **Title:** Groundwater: Making the Invisible Visible (World Water Day)
   **Organizer:** Civil Engineering and Construction Technology and Management
   **Venue:** Acharya Institute of Technology, Bangalore
   **Date:** 22-03-2022

2. **Title:** GATE 2021 - Civil Engineering Subjects
   **Organizer:** Department of Civil Engineering
   **Venue:** BMS College of Engineering, Bangalore
   **Date:** 17-12-2020 to 01-01-2021

1. **Title:** Virtual Labs Training
   **Organizer:** National Institute of Technology Karnataka and BMSCE
   **Venue:** BMS College of Engineering, Bangalore
   **Date:** 22-11-2023 to 23-11-2020

## COURSES TAUGHT

**B.E. Courses**

10. Environmental Engineering-I
9. Environmental Engineering-II
8. Solid Waste Management
7. Industrial Wastewater Treatment
6. Air Pollution Control
5. Environmental Impact Assessment
4. Climate Change and Carbon Capture
3. Waste Management
2. Environmental Studies
1. Research Methodology

**M.Tech. Courses**

10. Environmental Policy and Management Systems
9. Atmospheric Environmental Pollution and Control
8. Global Warming and Climate Change
7. Ecology and Environmental Impact Assessment
6. Remote Sensing and GIS in Environmental Engineering
5. Operation and Maintenance of Environmental Facilities
4. Occupational Safety and Health Administration
3. Renewable Energy and Alternate Fuels
2. Research Methodology and Intellectual Property Rights
1. Environmental Legal Aspects and Policy Guidelines

## DECLARATION

I solemnly declare that all the above-furnished information is free from error to the best of my knowledge and belief.

**Manjunath S V**