



Dr. SHIVAPRASAD K S

M. Tech., KSET., Ph.D.



<https://scholar.google.com/citations?hl=en&user=bj89gakAAAAJ>



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: **7th April, 1993**

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Karnataka
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Research interests

- Water Treatment
- Solid Waste Management
- Wastewater Management
- Electrochemical Coagulation
- Hybrid treatment Technologies

Instruments handled

UV-Visible Spectrometer,
FTIR, HPLC, GC, Flash
Chromatography, Tiger-
ION, Lux meter, High
Volume air sampler

Software's known

- Basic computer knowledge
- C++
- Auto Desk/Auto CAD

Languages

English, Kannada

To take up the challenging role in the field of scientific analysis, modern techniques and excel them by combining my knowledge, expertise and positive attitude to achieve the apex of the research field through sheer determination, commitment and hard work.



Educational Qualification

2019 – 2025	Ph.D. (Environmental Engineering)	JSS Science and Technology University, Mysuru
2014-2016	M. Tech (Environmental Engineering)	UBDT College of Engineering, Davanagere
2010-2014	B. E (Environmental Engineering)	VidyaVardhaka College of Engineering, Mysuru



Awards and Achievements

Cleared KSET -2020 in Environmental Science

Consultancy Works

- Ground water quality analysis at Shamanur Sugar's Ltd. Davanagere
- STP water analysis at Mysuru City Corporation, Mysuru
- Solid Waste Management plan for JSS Institutions at Suttur
- Technical visit to MYMUL to review the proposed ETP DPR.
- Design of Grey water treatment unit for Udboor Village.
- Effluent Treatment Plant Audit for West Coast Paper Mill Limited, Dandeli.



Certification Course

1. Successfully completed Internal Auditor Training on Quality Management System as per ISO 9001:2015 and Educational Organizations Management Systems as per ISO 21001: 2018 conducted during 10.12.2025 – 12.12.2025 by Cdr. Shrinivas Nilkund at JSS STU, Mysuru.
2. Successfully completed online certification course on "**Environmental, Social & Governance (ESG)**" conducted from June 5, 2023 to August 28, 2023 by JSS S&TU in collaboration with Schevaran Cleanfix Academy.

NPTEL Online Courses

1. Successfully completed NPTEL online certification course conducted by IIT Roorkee on "**Biological Process Design for Wastewater Treatment**" with Elite certificate during July – Oct, 2023.
2. Successfully completed NPTEL online certification course conducted by IIT Madras on "**Sustainable Engineering Concepts and Life Cycle Analysis**" with Elite certificate during July – Oct, 2023.
3. Successfully completed NPTEL online certification course conducted by IIT Madras on "**Waste to Energy**" with Elite certificate during Jan – March 2023.

PUBLICATIONS

Research articles

1. **Shivaprasad, K. S.**, Mahesh, S., & Sahana, M. (2023). Hospital wastewater treatment coupling electrochemical coagulation (ECC) and activated sludge process (ASP). *Journal of Water, Sanitation and Hygiene for Development*, 13 (9): 655–668, DOI: <https://doi.org/10.2166/washdev.2023.041>
2. **Shivaprasad K S** & Mahesh S (2022) Electrochemical treatment of two health-care wastewaters – A comparative study, *Separation Science and Technology*, 57:14, 2323–2339, DOI: [10.1080/01496395.2022.2041035](https://doi.org/10.1080/01496395.2022.2041035)
3. Mahesh S, **Shivaprasad K S** and Sanjana M (2022) Ayurvedic hospital wastewater degradation using electrochemical treatment, *Water Science and Technology*, 85 (6): 1855–1877, DOI: <https://doi.org/10.2166/wst.2022.079>

CONFERENCES ATTENDED

Oral presentations

1. Presented a paper “**Novel Electrochemical Treatment Processes for Treating Select Red Category Industry Wastewater**” at 2nd International Conference on Advanced Materials for Health Energy and Environment during 28th Feb, 2023 to 2nd March, 2023 organized by Dept. of Chemistry, JSS Science and Technology University, Mysuru.
2. Presented a paper “**Comparative Study of Two Different Hospital Wastewaters Using Electrochemical Coagulation**” at 35th National Convention of Environmental Engineering & National Conference - Green Technology for Clean and Green India on 17-18th August, 2019 organized by The Institution of Engineers (India), Karnataka State Centre, Bengaluru.

Poster presentations

Presented a poster during the One day International Conference on “Bridging Chemistry and Food – An Integrated Approach for Sustainable Society” organized by Department of Chemistry, JSS STU, Mysuru held on 18th Feb, 2026.

Journal Articles Reviewed

1. "Field Assessment of Solar Disinfection of Water in Obunga Slum, Kisumu, Kenya: Comparative Insights From Nairobi Pre-Trial Data" (WASHDev-D-25-00257) – *Journal of Water, Sanitation and Hygiene for Development*, IWA on 10th December, 2025.
2. Effectiveness of institutional sewage water treatment and its impact on aquatic ecosystem in Siaya County of Kenya” (WASHDev-D-25-00071) *Journal of Water, Sanitation and Hygiene for Development*, IWA on 14th May, 2025
3. "Investigating the Influence of Tank Material and Residual Chlorine on the Proliferation of Bacterial Biofilms Growth in the Drinking Water Storage Systems" (WASHDev-D-24-00285) – *Journal of Water, Sanitation and Hygiene for Development*, IWA on 29th January, 2025.
4. “The potential of rainwater harvesting and greywater recycling as an alternative domestic water resource in Bahnstadt-Heidelberg, Germany” (WASHDev-D-23-00208R2) *Journal of Water, Sanitation and Hygiene for Development*, IWA on 21st May, 2024.

5. "Sanitation Workers Occupational Health and Safety Practices: Realities from 17 cities in Asia and Africa" with manuscript ID: WASHDev-D-24-00052, Journal of Water, Sanitation and Hygiene for Development on 28th Feb, 2024.

FDP/PDP/Workshops attended

1. Participated as a delegate in the VGST sponsored FDP on "**Geospatial Technologies for Healthcare and Public Health Management**" supported by Karnataka Science and Technology Promotion Society, Vision Group on Science and Technology (VGST), Department of Electronics, Information Technology, Biotechnology and Science & Technology, GoK, organized at JSS Medical College, JSS AHER, Mysuru from 3rd to 6th March, 2026.
2. Successfully participated & completed AICTE Training and Learning (ATAL) Academy FDP on "**Smart Cities and Sustainable Mobility: Civil Engineering Innovations for Future Urban Development**" from 08.09.2025 to 13.09.2025.
3. Certified as a Facilitator of Introduction to AI, Introduction to Machine Learning and AI for Sustainability, based on the AI for Future Workforce Program conducted for the JSS STU, Mysuru from August 11th 2025 to August 20th 2025 by intel digital readiness.
4. Participated in the Professional Development Programme on "**Outcome Based Education and Accreditation – Graduate Attributes and Professional Competency 4.0**" conducted by NITTTR, Chennai from 07.07.2025 to 11.07.2025 at JSS STU, Mysuru.
5. Successfully completed one week FDP on "**Design Excellence: Mastering 2D and 3D Modelling with AutoCAD and Fusion 360**" organized by Department of Mechanical Engineering, JSS STU, Mysuru from 1st April to 5th April 2025.
6. Participated in the International GIAN course entitled "**Industrial Wastewater Management Towards Sustainable and Safe Environment**" organized during April 21st – 25th April, 2025 at GB Pant University of Agriculture and Technology (GBPUA&T) Pantnagar.

DECLARATION

I certify that the information provided above is accurate. I will abide by the selection rules and regulations and respect the final decision arrived at by the esteemed judging panels from any further positions.

DR. SHIVAPRASAD K S