

Dr. Yashas S. R. B.E., M.Tech., Ph.D.
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Research interest

- Environmental remediation: water and wastewater treatment
- Electrochemistry for environmental and energy applications
- End-of-life recycling: hydrometallurgy-based separations and recovery techniques
- Electrochemical sensors for pollutant detection and quantification
- Heterogeneous catalysis: nanocomposites synthesis and characterization
- Water and wastewater treatment

Professional experience

- **Assistant Professor** (*July 2025- Till date*)
Affiliation: Department of Environmental Engineering, JSS Science and Technology University, Mysuru, India.
- **Postdoctoral researcher** (*May 2022- Feb 2024*) (*1.9 years*)
Affiliation: Faculty of Civil and Environmental Engineering, Technion-IIT, Israel.
Project(s): Metals recovery from end-of-life polycrystalline silicon PV panels; Metals recovery from spent autocatalytic converters; Electrochemical redox-replacement for metal recovery.
- **Senior research fellow** (*January 2021- January 2022*) (*1 year*)
Affiliation: JSS Academy of Higher Education and Research, Mysuru, India.
Funding Agency: Indian Council for Medical Research (ICMR), New Delhi, India.
Project(s): Sustainable detection and removal of drug residues in drinking water using photo/electrocatalytic techniques.
- **Project assistant** (*June-November 2018*) (*6 months*)
Affiliation: JSS Science and Technology University, Mysuru, India.
Funding Agency: Department of Science and Technology (DST), New Delhi, India.
Project: Biological nutrient removal from wastewater from modified DEWATS system for reduced land and energy footprints.

Research records (as on 2.4.2026)

Database	No. of documents	h-index	i-10 index	Citations
Google Scholar	50	21	27	1139
Scopus	34	21	-	969
Web of Science	34	19	-	863

Education

Degree	Institute/University	Score	Year
Doctor of Philosophy (Ph.D.) <i>Environmental Science</i>	JSS Academy of Higher Education & Research, Mysuru, Karnataka.		March 2022
Master of Technology (M.Tech.) <i>Health Science & Water Engineering</i>	JSS Science & Technology University, Mysuru, Karnataka.	9.65/10	2018
Bachelor of Engineering (B.E.) <i>Civil Engineering</i>	Malnad College of Engineering, Hassan, Karnataka.	9.01/10	2016
Pre-University (PCMB)	St. Joseph's Pre-university College, Hassan, Karnataka.	89.5%	2012

Teaching interests

- Environmental engineering
- Water and wastewater engineering
- Environmental chemistry
- Fluid mechanics and hydraulics
- Environmental microbiology
- Applied nanoscience and technology
- Solid waste and management
- Instrumentation for environmental engineering

Research skills and techniques

- Hands-on experience using PHREEQC: a speciation and reaction modeling software.
- Hydrometallurgy: metal leaching and metal recovery techniques.
- Recycling of end-of-life PV panels and other secondary wastes
- Electrochemical metal recovery investigations.
- Development of electrochemical sensors.
- Heterogeneous photocatalytic studies.
- Nanomaterials synthesis: hydrothermal, sol-gel, solvothermal, coprecipitation, electrospinning, and sonochemical methods.
- Electrochemical techniques: cyclic voltammetry (CV), electrochemical impedance spectroscopy (EIS), differential pulse voltammetry (DPV), and chronoamperometry (CA).
- Water quality testing: pH, conductivity, color, turbidity, TDS, hardness, dissolved oxygen, BOD, COD, nitrates, sulfates, chlorides, phenols, TOC.
- Materials characterization (hands-on (H)/interpretation (I)): UV-Vis-NIR/DRS (H), DLS and Zeta (H), SEM/FESEM/TEM (I), XRD (I), XPS (I), BET (I), PL (I), FTIR (I), and EDS (I).

Professional awards and recognitions

- **Peer reviewer:** Chemical Engineering Journal, Elsevier (IF:13.3), Separation and Purification Technology, Elsevier (IF:8.1), Heliyon- CellPress (IF:3.4), Journal of Environmental Chemical Engineering, Elsevier (IF:7.4), Materials Chemistry and Physics, Elsevier (IF:4.3), Journal of Alloys and Compounds, Elsevier (IF:5.8), International Journal of Hydrogen Energy, Elsevier (IF:8.1), Oriental Journal of Chemistry (Scopus & ESCI indexed) (IF:0.2), Sensors International (Elsevier's Ltd.), Ceramics International, Elsevier (IF:5.1).
- Award of prestigious **Doctoral Fellowships** from Indian Council for Medical Research-Senior Research Fellowship (ICMR-SRF) and Council for Scientific and Industrial Research-Direct Senior Research Fellowship (CSIR-Direct SRF).
- **University Gold Medal** for securing highest marks in M.Tech. (Health Science and Water Engineering) 2016-2018 from JSS Science and Technology University, Mysuru.
- **Best Outgoing Student 2012-16**, Malnad College of Engineering, Hassan. Instituted by M-Foundation, Bangalore and MTES, Hassan.
- **Best Intern Award**, Civil Engineering Industrial Internship- organized by Experts Hub, Industry Skill Development Center, Chennai, India.

Faculty development programs and other trainings

- Participated in the **FDP** on "Outcome Based Education and Accreditation – Graduate Attributes and Professional Competency 4.0", organized by JSS STU, Mysuru and conducted by NITTTR, Chennai, from 7th July 2025 to 11th July 2025.
- Participated in 6-days online international **FDP** on "Next Generation Research on Energy Materials" organized by the Department of Physics and Chemistry, Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi, Chennai during 04.08.2025 to 09.08.2025.

Internships, workshops and training programs (reverse chronological order)

- **Workshop** on interpretation of instrumental methods (WIIM 2020), 6th to 10th Jan 2020, organized by Sathyabama University, Chennai and CSIR-NML, Chennai, Tamil Nadu, India.
- **Workshop** on Safe and Sustainable Technologies and Strategies for Integrated Freshwater Resource Management, 25th to 28th June 2019, organized by Indo-UK Water Center (IUKWC), India and JSS AHER, Mysuru, India.
- **Intern** at JK Tyre and Industries Limited, Vikrant Tyre Plant- I, HSE Department, From 24th July to 18th September 2017.
- **Intern** at Brigade Construction Project under KADTECH Infra Projects Ltd.-Mysore, From July 1st to July 15th, 2015.
- **Intern** at Preethi CAD Consulting Engineers Pvt. Ltd.-Bangalore, engineering project consultants, through June 11th to June 27th, 2015.
- Extensive Survey Training at Kudremukh – January 2015, Part of the academic curriculum prescribed by Malnad College of Engineering, Hassan.
- Recent Advances in Traffic Engineering and Traffic Planning, December 2014, Development program Organized by TEQIP-II at MCE, Hassan.
- Application of GIS and Air pollution Control (AQI) summer training and internship program, Organized by Skyfi Labs- Civil Simplified group- July 2014 at Bangalore.
- Structures and Foundation Analysis-summer training and internship program, Organized by Skyfi Labs- Civil Simplified group -July 2014 at Bangalore.
- 3-D Structural Analysis and Bridge Design Workshop -April 2014, Organized by ProActive Info-Soft in association with IIT-Guwahati held at MCE, Hassan.

Social service and extra-curricular engagements

- **Student cultural head** of Malnad College of Engineering, Hassan, through year 2014-2015. Responsibility of talent identification, team management and representations at national and inter-collegiate cultural events.
- **Vice-president** of Youth Red Cross Society, India (regional chapter) through year 2012-2015. Responsibility of organizing blood donation camps, health awareness camps and field visits.
- **Performing artist:** Indian classical (Carnatic) flautist with 15 years of learning experience and 7 years of performing and teaching experience.

Participation in conferences and symposia

- **Oral presentation** on “Capacitive-faradaic fuel cells: a novel method for recovery of metals from end-of-life photovoltaic panels” at 10th International Conference on Sustainable Solid Waste Management that will be held in Chania, Greece, 19th June to 25th June **2023**.
- **Oral presentation** on “Engineered recycling of end-of-life PV panels: insights into metal recovery by capacitive-faradaic fuel cells” at Technion-Grand Water Institute’s Graduate Student Conference, December 22nd, **2022**, Technion-IIT, Haifa, Israel.
- **Oral presentation** on “Rational design of silver ferrite anchored graphene nanosheets composite for photocatalytic pharmaceutical degradation and water disinfection” at 2nd International

Conference on Chemical, Bio & Environmental Engineering, August 20th – 22nd, 2021, NIT Jalandhar, India.

- **Oral presentation** on “Unveiling photocatalytic potentiality of rare-earth metal oxide tethered conductive polymer nanocomposite” at The 3rd International Workshop - Advances On Photocatalysis (AdvPhotoCat-EE 2021), Romania, June 28th and 29th 2021.
- **Poster presentation** on “Interfacial engineering of silver-delfossite/graphene nanosheets: Insights into catalytic functionalities” at 6th International Conference on Nanoscience and Nanotechnology (ICONN-2021), SRMIST, Chennai, India, February 1-3, 2021.
- **Oral presentation** on “Unraveling the interface chemistry of ZnV₂O₆/g-C₃N₄ composite applied for visible-light-driven mineralization of antibiotic residue in water” at 1st International e-Conference on Recent Advances in Physics & Materials Science (IC-RAPMS-2020), Darjeeling, West Bengal, India, 9th and 10th July 2020.
- **Oral presentation** on “Application of Mg-doped TiO₂ coated buoyant clay hollow-spheres for photodegradation of organic pollutants in wastewater” at First International conference on Advanced Light-weight Materials and Structures (ICALMS2k20), CMR Technical Campus, Hyderabad, India, 6th and 7th March 2020.
- **Oral presentation** on “Synthesis of g-C₃N₄/MnO₂ nanocomposite for photodegradation of tetracycline hydrochloride in water” at Second International Conference on Advanced Materials & Technology (ICMAT-20), JSS Science and Technology University, Mysuru, India, 16th – 18th Jan 2020.
- **Poster presentation** on “sonochemical synthesis of g-C₃N₄/MnO₂ composite for photoelectrocatalytic application” at 2nd International Conference on Nanoscience and Nanotechnology (ICNAN19), VIT University, Vellore, India, 29th Nov to 1st Dec 2019.
- **Oral presentation** on the topic “evaluation of sequencing batch reactor and sequencing batch biofilm reactor for biological nutrient removal from wastewater” at national conference on advanced materials for health, energy, and environment (AMHEE-2019), organized by JSS Science and Technology University, Mysuru on 6th – 7th September 2019.
- **Poster presentation** titled electrochemical laccase biosensor based on micro-perovskite and nanotubular-polypyrrole modified graphite electrode for sensitive quantification of chlorinated phenol, at Frontiers in Chemical Sciences (FICS-2018), IIT-Guwahati, Assam, 6th – 8th Dec 2018.
- **Poster presentation** titled Potentiometric PPO Biosensor for Sensitive Determination of Phenolic Micropollutant in Environmental Samples, at CSIR-IICT, Hyderabad Platinum Jubilee International Conference on ‘Biotechnological Research and Innovation for Sustainable Development’, BioSD 2018 XV BRSI Convention, 22nd -25th Nov 2018.

Research publications (reverse chronological order)

- Abenezer Z; Mamo D; **Yashas SR**; Hailu D. Facile Beneficiation of Natural Natrolite for High-Performance Methylene Blue Adsorption: Structural Characterization and Mechanistic Insights (Accepted) (Q2, IF: 5.2)
- Rajanna, K; Ningappa, KS; Shivarudraiah, VH; **Yashas SR**; Basavaraju, M; Arkeswaraiiah, CN; Prasanna, SB; Chung, RJ. Rapid and selective electrochemical determination of doxycycline in human urine samples using a 2-D Cu₂WS₄ nanosheet decorated polypyrrole nanotube electrocatalyst-modified pencil graphite electrode. Inorganic Chemistry Communications. 184, 115980, 2026. doi: <https://doi.org/10.1016/j.inoche.2025.115980> (IF: 5.4)

- EB Ruck, N Rainer, P Nativ, **SR Yashas**, HD Tulu, Y Gendel. Hydrogen-Oxygen Driven Electrocatalytic Decomplexation of Copper-Organic Chelates for Selective Copper Recovery from Water and Soil. *Journal of Environmental Chemical Engineering*, doi: <https://doi.org/10.1016/j.jece.2025.120170> (IF: 7.2)
- HS Anusha, SP Jijoe, T Tenzin, V Divya, KM Anilkumar, **SR Yashas**, HP Shivaraju. MgFeO₃ perovskite nanostructures: A New Frontier in photoelectrochemical water splitting. *International Journal of Hydrogen Energy*. 88 (Oct 2024), 617-625. 2024. doi: <https://doi.org/10.1016/j.ijhydene.2024.09.239> (IF: 8.1)
- HS Anusha, SP Jijoe, T Tenzin, V Divya, KM Anilkumar, **SR Yashas**, K Sumana, K Wantala, HP Shivaraju. Enhanced photoelectrochemical water splitting and photocatalytic decomposition performance of visible light active MgMnO₃ perovskite nanostructure. *International Journal of Hydrogen Energy*. 77 (Aug 2024). 1074-1089. 2024. doi: <https://doi.org/10.1016/j.ijhydene.2024.06.265> (IF: 8.1)
- EB Ruck, **SR Yashas**, Paz Nativ, Naama Manor-Korin, Hailu Demissie Tulu, Youri Gendel. Catalytic post-treatment of homogeneous Ag-S₂O₈ and Cu-H₂O₂ advanced oxidation processes: revealing the importance of capacitive-Faradaic electrochemical structure of Pt/AC. *Journal of Cleaner Production*, 461 (July 2024), 142454, 2024. doi: <https://doi.org/10.1016/j.jclepro.2024.142454> (IF: 9.7)
- **SR Yashas**, Erez B. Ruck, Hailu Demissie, Naama Manor-Korin, Youri Gendel. Catalytic recovery of metals from end-of-life polycrystalline silicon photovoltaic cells: Experimental insights into silver recovery, *Waste Management*, 171, 184-194, 2023. doi: <https://doi.org/10.1016/j.wasman.2023.08.038> (IF: 7.1)
- **SR Yashas**, HP Shivaraju, S Sandeep, N Kumara Swamy, BM Gurupadayya. Application of yttrium molybdate tethered polypyrrole nanocomposite for the photocatalytic remediation of nitrofurantoin in water, *Surfaces and Interfaces*, 32, August 2022, 102102, 2022. doi: <https://doi.org/10.1016/j.surfin.2022.102102> (IF:5.7)
- Sneha Yadav, **SR Yashas**, Tenzin Thinley, SP Jijoe, HP Shivaraju, Photocatalytic degradation of lomefloxacin antibiotics using hydrothermally synthesized magnesium titanate under visible light-driven energy sources, *Environmental Science and Pollution Research*, 29, 67969–67980, 2022. doi: <https://doi.org/10.1007/s11356-022-20540-3> (IF:5.8)
- SM Abhishek, N Kumara Swamy, **SR Yashas**, HP Shivaraju, NA Chamaraja, Soft-chemical synthesis and rational application of transition metal tetrachalcogenide for LED driven photocatalytic degradation of lomefloxacin in water, *Journal of Material Science: Materials in Electronics*, 33, 12359–12370, 2022. doi: <https://doi.org/10.1007/s10854-022-08193-x> (IF:2.8)
- BS Santhosh, **SR Yashas**, N Kumara Swamy, HP Shivaraju, Application of non-hierarchical gadolinium ortho-ferrite nanostructure for LED-driven photocatalytic mineralization of doxycycline hydrochloride *Journal of Material Science: Materials in Electronics*, 33, 11676–11686, 2022. doi: <https://doi.org/10.1007/s10854-022-08134-8> (IF:2.8)
- SP Jijoe, **SR Yashas**, BM Gurupadayya, Kitirote Wantala, DB Das, HP Shivaraju, Degradation of doxycycline antibiotics using lanthanum copper-oxide micro-spheres under simulated sunlight, *Environmental Science and Pollution Research*, 29, 57204–57214, 2022. doi: <https://doi.org/10.1007/s11356-022-19842-3> (IF:5.8)
- MP Ujwal, **SR Yashas**, HP Shivaraju, N Kumara Swamy, Gadolinium ortho-ferrite interfaced polyaniline: bi-functional catalyst for electrochemical detection and photocatalytic degradation of acetaminophen, *Surfaces and Interfaces*, 30, June 2022, 101878, 2022. doi: <https://doi.org/10.1016/j.surfin.2022.101878> (IF:5.7)

- Loide Shipingana, HP Shivaraju, **SR Yashas**, Quantitative assessment of pharmaceutical drugs in a municipal wastewater and overview of associated risks, Applied Water Science, 12:16, 2022. doi: <https://doi.org/10.1007/s13201-022-01570-1> (IF:5.7)
- N Kumara Swamy, KN Mohana, **SR Yashas**, GNR@CeO₂ heterojunction as a novel sonophotocatalyst: Degradation of tetracycline hydrochloride, kinetic modeling and synergistic effects, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 639 (2022), 128324, 2022 doi: <https://doi.org/10.1016/j.colsurfa.2022.128324> (IF:4.9)
- K Prakruthi, MP Ujwal, **SR Yashas**, B Mahesh, N Kumara Swamy, HP Shivaraju, Recent advances in photocatalytic remediation of emerging organic pollutants using semiconducting metal oxides: an overview, Environmental Science and Pollution Research, 29, 4930–4957, 2022. doi: <https://doi.org/10.1007/s11356-021-17361-1> (IF:5.8)
- **SR Yashas**, B Shahmoradi, W Kitirote, HP Shivaraju, Potentiality of polymer nanocomposites for sustainable environmental applications: A review of recent advances, Polymer, 233 (2021), 124184, 2021. doi: <https://doi.org/10.1016/j.polymer.2021.124184> (IF:4.1)
- **SR Yashas**, HP Shivaraju, G McKay, B Shahmoradi, A Maleki, K Yetilmezsoy, Silver delafossite oxide tethered graphene oxide interface: synthesis, characterization and demonstration of photocatalysis and antibacterial activities, Chemical Engineering Journal, 426 (2021), 131729, 2021. doi: <https://doi.org/10.1016/j.cej.2021.131729> (IF:13.3)
- Tenzin Thinley, **SR Yashas**, KM Anilkumar, and HP Shivaraju, UV–LED driven photodegradation of organic dye and antibiotic using strontium titanate nanostructures, Journal of Material Science: Materials in Electronics, 32, 21093–21105, 2021. doi: <https://doi.org/10.1007/s10854-021-06609-8> (IF:2.8)
- Sneha Yadav, **SR Yashas** and HP Shivaraju. Significance of transitional metal chalcogenide nanostructures in environmental remediation: a review. Environmental Chemistry Letters, 19, 3683–3700, 2021. doi: <https://doi.org/10.1007/s10311-021-01269-w> (IF:15.0)
- Sanjay BP, Kumara Swamy N, **SR Yashas**, Sandeep S, Design of an electrochemical sensor using 2D sheet-like Cu@g-C₃N₄ as transducer matrix for the electroanalysis of catechol, Journal of The Electrochemical Society, 168, 076511, 2021. doi: <https://doi.org/10.1149/1945-7111/ac1495> (IF:3.2)
- SP Jijoe, **SR Yashas** and HP Shivaraju. Fundamentals, synthesis, characterization and environmental applications of layered double hydroxides: a review, Environmental Chemistry Letters, 19, 2643–2661, 2021. doi: <https://doi.org/10.1007/s10311-021-01200-3> (IF:15.0)
- S Pallavi, **SR Yashas**, KM Anilkumar, B Shahmoradi, HP Shivaraju, Comprehensive understanding of urban water supply management: Towards sustainable water-socio-economic-health-environment nexus, Water Resources Management, 35, 315-336, 2021. doi: <https://doi.org/10.1007/s11269-020-02734-x> (IF:3.9)
- HP Shivaraju, **SR Yashas** and Harini R. Quantification, distribution, effects of Di (2-ethylhexyl) phthalate contamination: risk analysis and mitigation strategies in urban environment. Water Environment Research, 93 (6), 940-952, 2020. doi: <https://doi.org/10.1002/wer.1486> (IF:2.5)
- HP Shivaraju, ON Ashika, R Harini, **SR Yashas**, A Maleki, B Shahmoradi, K Yetilmezsoy, W Kitirote, Facile synthesis and characterization of Zn₅(OH)₈Cl₂.H₂O nanostructure for the biomethanation process, Materials Letters, 282 (2021), 128808, 2020. doi: <https://doi.org/10.1016/j.matlet.2020.128808> (IF:2.7)
- **SR Yashas**, HP Shivaraju, G Pema, N Kumara Swamy, Namratha K, Gurupadayya BM, Madhusudan P. Sonochemical synthesis of GCN/MnO₂ heterojunctions for photoelectrocatalytic

degradation of tetracycline hydrochloride, *Environmental Science and Pollution Research*, 25, 4778–4789, 2020. doi: <https://doi.org/10.1007/s11356-020-10813-0> (IF:5.8)

- HP Shivaraju, KM Anil Kumar, **SR Yashas**, Harini R, Behzad S, Maleki A and McKay G. Facile synthesis of Mn-Ce/N-TiO₂ composite for CO₂ hydrogenation into methane and intensifying methane yield in biomethanation. *Biofuels, Bioproducts & Biorefining*, 15, 189–201, 2020. doi: <https://doi.org/10.1002/bbb.2150> (IF:3.2)
- **SR Yashas**, HP Shivaraju, Sneha Yadav, and Samuel Jijoe, Evaluation of polymeric g-C₃N₄ contained nonhierarchical ZnV₂O₆ composite for energy-efficient LED assisted photocatalytic mineralization of organic pollutant, *Journal of Material Science: Materials in Electronics*, 31, 16806–16818, 2020. doi: <https://doi.org/10.1007/s10854-020-04235-4> (IF:2.8)
- **SR Yashas**, HP Shivaraju, T Thinley, KS Pushparaj, M Afshin, and B Shahmoradi. Facile synthesis of SnO₂ 2D-Nanoflakes for ultrasound assisted photodegradation of Tetracycline hydrochloride, *International Journal of Environmental Science and Technology*, 17, 2593–2604, 2020, doi: <https://doi.org/10.1007/s13762-020-02636-w> (IF:3.0)
- **SR Yashas**, S Sandeep, BP Shivakumar, and N Kumara Swamy. A matrix of perovskite micro-seeds and polypyrrole nanotubes tethered laccase/graphite biosensor for sensitive quantification of 2,4-dichlorophenol in wastewater, *Analytical Methods*, 11 (35), 2019, 4511-4519. doi: <https://doi.org/10.1039/C9AY01468C> (IF:2.7)
- **SR Yashas**, S Sandeep, BP Shivakumar, and Kumara Swamy N. Potentiometric polyphenol oxidase biosensor for sensitive determination of phenolic micropollutant in environmental samples, *Environmental Science and Pollution Research*, 27, 2020, 27234–27243. doi: <https://doi.org/10.1007/s11356-019-05495-2> (IF:5.8)
- **SR Yashas**, BP Shivakumara, TH Udayashankara, BM Krishna. Laccase biosensor: green technique for quantification of phenols in wastewater (A Review), *Oriental Journal of Chemistry*, Vol. 34, Issue 2, 2018, 631-637. doi: <http://dx.doi.org/10.13005/ojc/340204> (IF:0.2)

Conference proceedings

- HP Shivaraju, **SR Yashas** and R Harini. Application of Mg-doped TiO₂ coated buoyant clay hollow-spheres for photodegradation of organic pollutants in wastewater, *Materials Today: Proceedings*, 27 (2), 1369-1374, 2020. doi: <https://doi.org/10.1016/j.matpr.2020.02.754>
- HP Shivaraju, M Sparsha, **SR Yashas**, Kumari Sonu, R Harini and David Jenkins. Preparation of supporting photocatalysts for water treatment using natural sunlight as an alternative driving energy, *Materials Today: Proceedings*, 45 (4), 3936-3944 2020. doi: <https://doi.org/10.1016/j.matpr.2020.08.020>

Book chapters

- **SR Yashas**, HP Shivaraju, W Kitirote, DB Das. Fate, transport, and effects of pharmaceuticals and personal care products in urban environment. In: Chakraborty, P., Snow, D. (eds) *Legacy and Emerging Contaminants in Water and Wastewater. Emerging Contaminants and Associated Treatment Technologies*. Springer, 2022. doi: https://doi.org/10.1007/978-3-030-95443-7_6
- Shivaraju HP, S Yadav, **SR Yashas**, DB Das. Source, Treatment, and Management Options of Contaminants of Emerging Concerns (CECs) in Water. In: In: Chakraborty, P., Snow, D. (eds) *Legacy and Emerging Contaminants in Water and Wastewater. Emerging Contaminants and Associated Treatment Technologies*. Springer, 2022. doi: https://doi.org/10.1007/978-3-030-95443-7_1

- T Tenzin, **SR Yashas**, HP Shivaraju. Treatment of Textile Industrial Dyes Using Natural Sunlight-Driven Methods, In: Muthu, S.S., Khadir, A. (eds) Advanced Oxidation Processes in Dye-Containing Wastewater. Sustainable Textiles: Production, Processing, Manufacturing & Chemistry. Springer, Singapore. **2022**. doi: https://doi.org/10.1007/978-981-19-0987-0_3
- HP Shivaraju, **SR Yashas**, PJ Samuel, Sneha Yadav, CM Aiswarya. Comprehensive understanding of fate, transport and consequences of contaminants of emerging concerns (CECs) in urban environment, In Legacy, Pathogenic and Emerging Contaminants in the Environment, 1st Edition, CRC Press, **2021**. doi: <https://doi.org/10.1201/9781003157465-18>
- HP Shivaraju, **SR Yashas**, David Jenkins. Advanced oxidation process for removal of emerging contaminants in water and sustainable approaches, In: M Kumar, S Mohapatra, K Acharya (eds) Contaminants of Emerging Concerns and Reigning Removal Technologies, 1st Edition, CRC Press, **2022**. doi: <https://doi.org/10.1201/9781003247869-6>

Research profiles

- **Google Scholar:** <https://scholar.google.co.in/citations?user=IM5FCbAAAAAJ&hl=en>
- **Research Gate:** <https://www.researchgate.net/profile/Shivamurthy-Ravindra-Yashas>
- **ORCID:** <https://orcid.org/0000-0003-1776-1749>
- **Scopus ID:** 57202217229 (<https://www.scopus.com/authid/detail.uri?authorId=57202217229>)
- **WoS ID:** JLM-7518-2023 (<https://www.webofscience.com/wos/author/record/JLM-7518-2023>)

PERSONAL DETAILS

- **Languages known:** English, Hindi and Kannada.
- **Leisure interest:** Carnatic classical flutist.
- **Communication address:** Room EV210, 2nd Floor,
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Sri Jayachamarajendra College of Engineering,
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