Faculty Profile

Brief Profile

Dr. Ujwal Shreenag Meda is currently serving as the Coordinator for the Centre for Hydrogen and Green Technology and as an Assistant Professor in the Department of Chemical Engineering at RV College of Engineering, Bengaluru. With a distinguished academic and research background, he holds a double doctorate, including a PhD in Bio Hydrogen Generation. His postgraduate and doctoral studies were completed at Eindhoven University of Technology, The Netherlands. He has authored over 40 publications indexed in Scopus and Web of Science and holds five patents spanning a range of technological domains.

His professional journey includes significant international exposure, having held R&D and innovation roles at Unilever in both the Netherlands and the UK. This experience has enabled him to successfully translate advanced research into practical and globally impactful applications.

His areas of specialization include Chemical Engineering, Hydrogen Technology (green hydrogen production, storage, handling, and utilization) alongside process and product design, data science, and cloud computing. He is a Certified Master Trainer in Green Hydrogen Technology, accredited by the Skill Council for Green Jobs.

In his current role, he coordinates strategic initiatives at the Centre for Hydrogen and Green Technology, promoting sustainable innovations and facilitating industry collaborations. He is also actively involved in mentoring students and professionals in cutting-edge chemical engineering and hydrogen technologies. With a strong commitment to sustainability and technological advancement, Dr. Meda is well-positioned to contribute to R&D, innovation management, and the scaled deployment of hydrogen technologies across various sectors.

Personal Information

- **Name:** Ujwal Shreenag Meda
- **Designation:** Assistant Professor (Selection Grade)
- **Department:** Chemical Engineering
- **Email:** ujwalshreenagm@rvce.edu.in
- **Phone:** 080 6818 8445

Google Scholar: https://scholar.google.com/citations?user=HJdhOR4AAAAJ&hl=en
ResearchGate: https://www.researchgate.net/profile/Ujwal-Meda
LinkedIn: https://www.linkedin.com/in/ujwalshreenag/
ORCID: https://orcid.org/my-orcid?orcid=0000-0002-5984-3745
Web of Science: https://www.webofscience.com/wos/author/record/L-5637-2016

Domain of Expertise

Research Focus

- **Primary Area:** Chemical Engineering, Hydrogen Technology, Data Science, Cloud Computing
- **Allied Areas:**
    - Process Engineering, Process and Product Design, Process Development, Product Development, Process Simulation, and Process Optimization
    - (Green) Hydrogen Generation, Storage, Handling and Safety, and Applications
    - Machine Learning, AWS, and Azure

Academic Qualifications

- **Ph.D.**: Chemical Engineering, Energy (Hydrogen Technology), Visvesvaraya Technological University, Belgaum, India, 2020, *Studies on Generation of Hydrogen from Wastewater using Microbial Electrolysis*
- **PDEng** (Professional Doctorate in Engineering): Chemical Engineering, Process and Product Design, Eindhoven University of Technology, The Netherlands, 2010, *Conceptual Process Design of Low Oil Mayonnaise with Citrus Fibres*
- **M.Sc./M.Tech**: Process Engineering, Eindhoven University of Technology, The Netherlands, 2007, *Aspects of catalyst deactivation in catalytic chain transfer emulsion polymerization*
- **B.E./B.Tech**: Chemical Engineering, Visvesvaraya Technological University, Belgaum, India, 2005
- **AICTE QIP PG Certificate in Machine Learning**: Machine Learning, Indian Institute of Science, Bengaluru, India, 2024

Professional Experience

Experience

S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV College of Engineering, Bengaluru	Assistant Professor	2012 – till date
2.	Carbion (formerly known as Purac Biochem), The Netherlands	Specialist	2010 – 2012
3	Unilever, The Netherlands	Post Graduate Design Engineer	2009 – 2010
4	University of Liverpool, United Kingdom	Researcher	2009 – 2010
5	Eindhoven University of Technology, The Netherlands	Post Graduate Design Engineer	2008 – 2010
6	Eindhoven University of Technology, The Netherlands	Research Assistant	2007 – 2007

Publications & Patents

Journal Publications

1. Ujwal Shreenag Meda, Om Madan Raikar, Charanya Adaguru Rudregowda, Dinesh Rangappa, Navya Rani, Shravan S. Ranga, and Aditi Pandey; MXenes as Versatile Materials for Hydrogen Technology and Multifunctional Applications; Chemistry - An Asian Journal; 20, 9, e202401678, 2025; https://doi.org/10.1002/asia.202401678
2. Manjunatha Channegowda, Arpit Verma, Iqra Arabia, Ujwal Shreenag Meda, Ishpal Rawal, Sarvesh Rustagi, Bal Chandra Yadav, Patrick SM Dunlop, Nikhil Bhalla, and Vishal Chaudhary; High selectivity and sensitivity through nanoparticle sensors for cleanroom CO2 detection; Nanotechnology; Volume 35, Issue 31, Article No. 315501, 2024; https://10.1088/1361-6528/ad3fbf
3. Ujwal Shreenag Meda, Gnana Soundarya, Madhu H, Nidhi Bhat; Nano-engineered textiles: Development and applications; Materials Science & Engineering B; Volume 296, Issue 1, Article No. 116636, 2023; https://doi.org/10.1016/j.mseb.2023.116636
4. Ujwal Shreenag Meda, Yashesh Vijay Rajyaguru, Aditi Pandey; Generation of green hydrogen using self-sustained regenerative fuel cells: Opportunities and challenges; International Journal of Hydrogen Energy; Volume 48, Issue 73, Pages 28269 - 28314, 2023; https://doi.org/10.1016/j.ijhydene.2023.03.430
5. Ujwal Shreenag Meda, Nidhi Bhat, Aditi Pandey, K.N. Subramanya, M.A. Lourdu Antony Raj; Challenges associated with hydrogen storage systems due to the hydrogen embrittlement of high strength steels; International Journal of Hydrogen Energy; Volume 48, Issue 47, Pages 17894-17913, 2023; https://doi.org/10.1016/j.ijhydene.2023.01.292
6. Ujwal Shreenag Meda, Khushi Vora, Yash Athreya, Ujwal Arun Mandi; Titanium dioxide based heterogeneous and heterojunction photocatalysts for pollution control applications in the construction industry; Process Safety and Environmental Protection; Volume 161, Issue 1, Pages 771-787, 2022; https://doi.org/10.1016/j.psep.2022.03.066
7. Ujwal Shreenag Meda, Libin Lal, Sushantha, Paridhi Garg; Solid Electrolyte Interphase (SEI), a boon or a bane for lithium batteries: A review on the recent advances; Journal of Energy Storage; Volume 47, Issue 3, Article No. 103564, 2022; https://doi.org/10.1016/j.est.2021.103564
8. Manjunatha Cheelenahally, Ujwal Shreenag Meda, S Lakshmikant, S Ashoka, BW Shivraj, Manickam Selvaraj, G Satheesh Babu; Development of novel non-stoichiometric hybrid Co3S4@Co0.85Se nanocomposites for an evaluation of synergistic effect on OER performance; Surfaces and Interfaces; Volume 25, Issue 1, Article No. 101161, 2021; https://doi.org/10.1016/j.surfin.2021.101161
9. Sudeep M, Manjunatha Cheelenahally, Ujwal Shreenag Meda, Sham Aan M P, Ashoka S, Suresh R; Development of CuS nanostructures for electrochemical detection of Ascorbic Acid; Journal of Nanostructures; Volume 11, Issue 3, Pages 628 - 637, 2021; https://doi.org/110.22052/JNS.2021.03.020

10. Ujwal Shreenag Meda, Kashinath Kiragi, Radhakrishna; Use of nano materials to enhance the properties of pavement concrete: A Review; Journal of Seybold Report; Volume 15, Issue 9, Pages 3442 - 3449, 2020
11. Ujwal Shreenag Meda, Vidiyala Shreya, M A Lourdu Antonty Raj; Energy from wastewater: Microbial fuel cells - A review; Journal of Seybold Report; Volume 15, Issue 8, Pages 394 - 408, 2020
12. Ujwal Shreenag Meda, Jagadish H Patil, K V Karthik, M A Lourdu Antony Raj, Raviraj Kusanur, Vinutha Moses; Facile synthesis of metal oxide composites for elimination of chromium and arsenic from the synthetic effluent; Journal of Seybold Report; Volume 15, Issue 7, pages 1269 - 1283, 2020
13. Akhil Punneri Madathil, Ujwal Shreenag Meda, Siddarth Krishnaraja Achar, Vinutha Moses, N Chetan, C Vidya, Lourdu Antony Raj and Manjula Sarode; Use of Keratin Present in Chicken Feather as a Hydrogen Storage Material: A Review; International Journal of Engineering Materials and Manufacture; Volume 5, Issue 4, Pages 148 - 155, 2020; https://doi.org/10.26776/ijemm.05.04.2020.04
14. Ujwal Shreenag M, Rakesh, M A Lourdu Antony Raj; Bio-hydrogen production in microbial electrolysis cell using wastewater from sugar industry; International Journal of Engineering Sciences & Research Technology; Volume 4, Issue 4, pages 452 – 458, 2015;
15. Ujwal Shreenag Meda, Rakesh, Chandra, R Suresh; Performance studies of microbial fuel cell; International Journal of Research in Engineering and Technology; Volume 3, Issue 11, pages 169 – 173, 2014;
16. Ujwal Shreenag Meda, Rakesh, Sidharth S. N., Chandra, Latha B. R.; Impact of particle size on content uniformity; International Journal of Innovative Research in Science, Engineering, and Technology; Volume 3, Issue 2, pages 9369 – 9374, 2014; https://doi.org/10.15680/IJIRSET.2015.0402100

Conference Papers

1. Ujwal Shreenag Meda, Ameya Kamath;Advances in Biogas Purification Techniques;2023 7th International Conference on Computation System and Information Technology for Sustainable Solutions;IEEE Explore;Pages 1-5;2023; ISBN 979-8-3503-4314-4; DOI: 10.1109/CSITSS60515.2023.10334069
2. Ujwal Shreenag Meda, Shivangi Rai, Glen Dsouza, Vijay Kumar R P;Storage of Hydrogen in Carbon Nano Tubes;2023 7th International Conference on Computation System and Information Technology for Sustainable Solutions;IEEE Explore;Pages 1-5;2023; ISBN 979-8-3503-4314-4; https://doi.org/10.1109/CSITSS60515.2023.10334231
3. Ujwal Shreenag Meda, Aditi Pandey, Yashesh Vijay Rajyaguru, Manjunatha C; Designing a Solar PV Module for Powering an Electrolyzer; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 5509 - 5517; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.5509ecst
4. Amrit Aman, Iqra Ali Khan, Ujwal Shreenag Meda; Water Management in Proton Exchange Membrane Fuel Cells; International Conference on Technologies for Smart Green Connected

Societies; ECS Transactions; Volume 107, Issue 1, Pages 19403 - 19413; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.19403ecst

5. Ujwal Shreenag Meda, Ashni Melissa Mery Prabhu, Anupama Joshi, Vidya C, Ranganath D; Competitor Analysis of Hydrogen Sensing Systems; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4377 - 4387; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4377ecst
6. Ujwal Shreenag Meda, Bhavana B, Radhakrishna; Influence of Mixers on Dry Dispersion of Nanoparticles in the Cementitious Composites; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 3537 - 3545; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.3537ecst
7. Ujwal Shreenag Meda, Haritha Rajaram, Harshitha N, Sripriya U; Bio Polyurethane Foam and Its Fire-Retardant Applications; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4299 - 4314; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4299ecst
8. Ujwal Shreenag Meda, Hashitha N, Vinakyak Hulake, Ashwin Padubidri; Studies on Leak Detection in Process Pipelines Using Artificial Neural Networks/Machine Learning; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4281 - 4297; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4281ecst
9. Ujwal Shreenag Meda, Iqra Ali Khan, Amrit Aman, Suresh R, Rajalakshmi Mudbidre; Alternatives to Conventional Platinum-Based Catalysts in Polymer Electrolyte Membrane Fuel Cells; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 5487 - 5498; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.5487ecst
10. Ujwal Shreenag Meda, Taher Hussain, Khushi Vora, Manjula Sarode, Vinod Kallur; Modelling and Simulation of Manufacturing Process of Paracetamol; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4389 - 4410; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4389ecst
11. Ujwal Shreenag Meda, Nidhi Bhat, Chitra Agrawal; Hydrogen Impermeable Materials for Efficient Hydrogen Storage; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4875 - 4883; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4875ecst
12. Ujwal Shreenag Meda, Pavan Kumar, Sachin K C, Radhakrishna; Photocatalytic Cementitious Materials to Reduce Air Pollution; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4863 - 4874; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4863ecst
13. Ujwal Shreenag Meda, Sachin K C, Radhakrishna; Synthesis of Silicon Di Oxide Nano-Particles By Sol-Gel Method for Applications in Geopolymer Composites; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 5533 - 5541; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.5533ecst
14. Sachin K C, Radhakrishna, Ujwal Shreenag Meda; Incorporation of Nanoparticles in Building Materials; International Conference on Technologies for Smart Green Connected Societies;

ECS Transactions; Volume 107, Issue 1, Pages 3375 - 3391; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.3375ecst

15. Ujwal Shreenag Meda, Samhita Kiran, Shravan S Ranga; Advances in Incorporation of Nanomaterials Onto Fabrics; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4853 - 4862; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4853ecst
16. Ujwal Shreenag Meda, Sharanya Chakravarthi, Akshit M Harthi; Product Design of Hydrogen Sensing System; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 3011 - 3025; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.3011ecst
17. Ujwal Shreenag Meda, Shravan S Ranga, Samhita Kiran; Nanotechnology in the Textile Industry: Present and Future; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4791 - 4798; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4791ecst
18. Ujwal Shreenag Meda, Shreya N M, Jagadish Patil, Muralidhara P L, Vinutha Moses; Wastewater Treatment Using Anaerobic Fluidized Bed Membrane Bioreactor Coupled with Microbial Fuel Cells for Circular Economy; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4435 - 4448; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4435ecst
19. Ujwal Shreenag Meda, Sowrav Adithya; A Review on the Development of Iot Enabled Hydrogen Sensing Systems; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4767 - 4789; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4767ecst
20. Ujwal Shreenag Meda, Sripriya U; Market Study of Hydrogen Sensors and Sensing Systems; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4489 - 4502; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4489ecst
21. Ujwal Shreenag Meda, Ujwal Arun Mandi, Yash Athreya, Khushi Vora; Pollution Control Applications of Nano Titanium Dioxide in the Construction Industry; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 3281 - 3293; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.3281ecst
22. Ujwal Shreenag Meda, Yashesh Vijay Rajyaguru, Aditi Pandey, Manjunatha C; Electrolyzers for Green Hydrogen Generation and Their Integration with Fuel Cells; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 4723 - 4731; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.4723ecst
23. Nishaa V, Vishwesh Desai, Soumya, Spoorthi B V, Ujwal Shreenag Meda; Powering Implantable Medical Devices with Biological Fuel Cells; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 19197 - 19215; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.19197ecst
24. Ujwal Shreenag Meda, Amulya Rao, Riya Sharma, Abhipsa Rath; Microbial Fuel Cells and Genomics; International Conference on Technologies for Smart Green Connected Societies;

ECS Transactions; Volume 107, Issue 1, Pages 10729 - 10755; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.10729ecst

25. Ujwal Shreenag Meda, Subana P S, Suresh R, Hari Krishna R, Sham Aan M P, Manjunatha C; Remediation of Lead Ions from Wastewater Using Magnetic Iron Oxide Nanoadsorbents – A Review; International Conference on Technologies for Smart Green Connected Societies; ECS Transactions; Volume 107, Issue 1, Pages 17217 - 17228; 2022; ISSN 1938-5862; https://doi.org/10.1149/10701.17217ecst
26. Ujwal Shreenag Meda, Kruthika P, M A Lourdu Antony Raj; Modeling of reaction kinetics in generation of hydrogen from wastewater by microbial electrolysis; International Conference on Process Engineering and Advanced Materials; E3S Web of Conferences; Volume 287, Issue 1, Pages 4010; 2021; ISSN 2267-1242; https://doi.org/10.1051/e3sconf/202128704010
27. Adithya S N, Sachin K C, Radhakrishna, Ujwal Shreenag Meda; Review on the correlation between mixing, microstructure and strength of cementitious products with nanoparticles; International Conference on Contemporary and Sustainable Infrastructure; IOP Coference Series: Earth and Environmental Series; Volume 822, Issue 1, Pages 12005; 2021; ISSN 1755-1315; https://iopscience.iop.org/article/10.1088/1755-1315/822/1/012005
28. Ujwal Shreenag M, K Prateek Kumar, Abhijith K J, Hemanth Kumar, Ajay Kunda, M A Lourdu Antony Raj, Jagadish Patil; Development of polymeric layer on anode for enhanced hydrogen generation in microbial electrolysis cell; Asian Journal of Chemistry; Volume 29, Issue 1, Pages 226 – 228; 2016; ISSN 0970-7077; https://doi.org/10.14233/ajchem.2017.20382
29. Niels M.B. Smeets, Ujwal S. Meda, Johan P.A. Heuts, Jos T.F. Keurentjes, Alex M. van Herk, Jan Meuldijk; Molecular weight control in emulsion polymerization by catalytic chain transfer: a reaction engineering approach; Macromolecular Symposia; Volume 259, Issue 1, Pages 406 - 415, 2007; ISSN 1521-3900; https://doi.org/10.1002/masy.200751346

Books/Book Chapters

1. Ujwal Shreenag Meda, Nidhi Bhat, Om Madan Raikar, Tribkram Gupta, Kalpana Sharma; Lithium battery systems – Lithium batteries – Secondary systems – Lithium-ion systems | Solid electrolyte interphase; Encyclopedia of Electrochemical Power Resources; Elsevier; 2024; http://dx.doi.org/10.1016/B978-0-323-96022-9.00280-2
2. Ujwal Shreenag Meda, Charanya Adaguru Rudregowda, and Harika Rajashekaraiah; Lithium batteries - Secondary systems – Lithium-ion systems | Additives for lithium-ion batteries; Encyclopedia of Electrochemical Power Resources; Elsevier; 2023; http://dx.doi.org/10.1016/B978-0-323-96022-9.00119-5

Patents

Sl. No	Patent / Application No	Patent Title	Inventors	Status	Year
1	338004	Method and system to develop a polymer - hydrogel - metal oxide	Ujwal Shreenag Meda, Lourdu Antony Raj, Shripathi ramakrishnan,	Granted	2020

		composite based sensor to detect and quantify hydrogen gas	Maitri Uppaluri, A R Phani		
2	480905	Method and system for developing a sensor to detect hydrogen	Ujwal Shreenag Meda, Akshay Kulkarni, Abhinav Bajaj, Aditya Kulal, Karthik S S	Granted	2023
3	461359	A method and system to enhance the properties of cementitious products	Ujwal Shreenag Meda, Radhakrishna, Sachin K C	Granted	2023
4	202141015075	A method to enhance the performance of a Microbial Fuel Cell	Ujwal Shreenag Meda, Pradeep G A	Published	2022
5	202341042932	Method for synthesizing titanium dioxide and iron oxide-based nanocomposite capable of reducing oxides of nitrogen in atmospheric air	Ujwal Shreenag Meda, Radhakrishna, Aditi Pandey, Yaseen Muneer, Vamshika I	Published	2025

R & D Grants & Consultancy Projects

Ongoing & Completed Research Projects

Development of geopolymer composites for enhanced mechanical properties and to subside air pollution by the addition of nanoparticles, Department of Science and Technology, Department of Science and Technology – Nano Mission, 2019 – 2023, **Rs. 70,04,306**, Co – Principal Investigator

Professional Memberships

Sl. No	Professional Memberships	Number	Status
1	Indian Institute of Chemical Engineers	LM - 56283	Life Member
2	Indian Society for Technical Education	LM - 132290	Life Member

Awards & Recognitions

Sl. No	Award	Description	Awarding Agency	Year
01	Topper (top 5%)	Topper (top 5% out of 15000+ participants) in the national level exam conducted by NPTEL in the course titled Python for Data Science	NPTEL	2024
02	Excellent Performer Award	Received four times consecutively during annual appraisal. Awarded to top 0.5% of 2000 employees from 21 institutions under Rashtriya Shikshana Samithi Trust (RSST).	RSST	2021 - 2024
03	Quality Publications Award	Awarded by RV College of Engineering (RVCE) for outstanding contributions to quality journal publications in 2023 during Teacher's Day celebrations	RVCE	2024
04	Best Young Researcher Award	Awarded by the Indian Society for Technical Education (ISTE) Faculty Chapter, RV College of Engineering	ISTE	2022
05	ICTSGS Service Award	Awarded by SPAST Foundation for unparalleled, significant, and tangible contributions to First International Conference on Smart Green Connected Societies 2021 (ICTSGS – 1)	SPAST Foundation	2021
06	Top Performing Mentor Award	Awarded by National Programme on Technology Enhanced Learning (NPTEL) twice for mentoring students on python course	NPTEL	2020 - 2021

Student Supervision

- **Ph.D. Candidates:** 04
- **M.Tech/M.Sc. Students:** 16
- **Undergraduate Research Mentees:** 240

Professional Roles

- Publicity and Media Chair, 8th IEEE International Conference on Computational Systems & Information Technology for Sustainable Solutions (CSITSS), 7th to 9th November, 2024
- Session Chair, 8th IEEE International Conference on Computational Systems & Information Technology for Sustainable Solutions (CSITSS), 7th to 9th November, 2024
- Reviewer of more than 10 web of science indexed journals (International Journal of Hydrogen Energy, Journal of Cleaner Production, iScience, Chemistry – An Asian Journal, High Performance Polymers, Canadian Journal of Chemical Engineering, Energy and Fuels, Small

Methods, Nano-Micro Letters, Energy Technology, Energy Conversion and Management, Batteries and Supercaps, etc)

Teaching

Core Courses:

Mass Transfer, Chemical Equipment Design and Drawing, Process Modeling and Simulation, Chemical Process Integration, etc

Advanced/Lab Courses:

Hydrogen Technology, Process Modeling and Simulation, Transport Phenomena, Process Dynamics and Control, Momentum Transfer, Chemical Reaction Engineering, Particulate Technology, etc

Professional Roles

Responsibilities

Academic:

Current Role: Web Coordinator

Former Roles: Sports Committee Member, Examination Work (confidential), NBA Coordinator, IIIC Coordinator, Compliance Committee Member, E-Cell Coordinator, and UG Placement Coordinator

Administrative:

Current Roles: Coordinator – Centre for Hydrogen and Green Technology, Coordinator – Not Zero to Net Zero Campus, and Research Advisory Committee Member

Former Roles: In-charge Placement Officer

External Connect

- Session Chair, Green Energy Materials Meet – 2024, International Symposium, 23rd – 24th September 2024
- Co-chair, First International Conference on Technologies for Smart Green Connected Society 2021 (ICTSGS – 1) held on 29th and 30th Nov 2021
- Former Mentor (R&D), Department of Chemical Engineering, MVJ College of Engineering, Bengaluru
- Former Mentor and Global Jury Member, National Entrepreneur Network, Wadhwani Foundation
- Mentored a start-up named "Ossus Biorenewables" which generates hydrogen from wastewater using microbial electrolysis.

- Judge / Evaluator - 50th All India Student Design Competition 2019
- NBA mock evaluator from 2015 to 2017 to evaluate the preparedness of Chemical Engineering UG program for NBA of other institutions