

Siva Sankari J

Educational Qualifications

Year	Degree/Examination	Institution/Board	CGPA/Percentage
Present	Ph.D. Civil Engineering	IIT, Madras	10
2022	M.Tech Environmental Engineering	NIT, Trichy	9.03
2019	B.E Civil Engineering	Mepco Schlenk Engineering College, Sivakasi	8.81
2015	Class XII	PSC School, Virudhunagar,	95.67%

Research Experiences

Year	Degree	Project
Present	Ph.D. Civil Engineering	Defluorination of Perfluoroalkyl Substances (PFAS), Forever chemicals by piezo-photocatalytic membrane
2022	M.Tech Environmental Engineering	MXene augmented copper ferrite (CuFe ₂ O ₄ /Ti ₃ C ₂) catalyst for treatment of stabilized landfill leachate by Sulfate Radical based Advanced Oxidation Process
2019	B.E Civil Engineering	Effect of hypo sludge on Geo-polymer Concrete (ambient curing)

Publications

Title	Status
MXene augmented Copper Ferrite for the Treatment of Stabilized leachate by SR-AOP - An experimental investigation	Ready for submission
Systematic review of recent advances in piezo electrocatalytic system for environmental remediation	Under preparation

Scholarships

- Received a monthly stipend of 12,400 from MHRD during the Postgraduate program (2020- 2022)
- Received management Scholarship from Mepco Schlenk Engineering College, for excellent academic performance during the Undergraduate program (2015–2016), (2016-2017), (2017- 2018) and (2018-2019)

Academic Achievements

- Secured AIR 271 in the gate for Environmental Science and Engineering, Feb 2021
- Got Academic Proficiency prize for securing the third rank in Semesters I and II from the National Institute of Technology (2020-2021)
- Secured AIR 3016 in the gate for Civil Engineering, Feb 2020
- Won second position in “Prabandha” held during Cea Fest’Mar2019 (The national-level technical symposium, Organized by the Indian Institute of Technology, Madras)
- Won third position in Debate held during Cea Fest’Mar2019 (The national-level technical symposium, Organized by the Indian Institute of Technology, Madras)
- Bagged second position in Debate held during Cea Fest’Mar2018 (The national level technical symposium, Organized by the Indian Institute of Technology, Madras)
- Won “Professor’s Challenge” contest held in Techyuga’Aug2017 (The State level Technical Symposium, Organised by Ramco Institute of Technology)
- Presented a paper entitled “Seismic Resistant Structures” in Techyuga’Aug2017 (The State level Technical Symposium, Organised by Ramco Institute of Technology)
- Bagged gold medal for securing First mark in Computer Science in HSCCE, March 2015

Workshops and Certifications

- Obtained Band 7 in the IELTS exam (IDP India, 2023)
- Attended Gian Course on Advanced Biological Processes for Nitrogen Removal from aqueous (IIT Madras, 2022)
- Attended a one-day workshop on membrane technologies (IIT Madras, 2022)
- Attended the Digital Water Congress held online (International Water Association, 2021)
- Attended a workshop on Special Considerations of Seismic Analysis- Torsional Irregularity Checks (Bentley, April 2020)
- NPTEL certification on Strength of Materials (IIT Kharagpur)
- Workshop on Disaster Management and First Aid (2018)
- Obtained a Diploma in Yoga for Youth Empowerment (2016-2017)
- Participated in the “BRIDGE IT” contest conducted by the International Association of Civil Engineering (2015-2016)

Skills

LC-MS, Ion Chromatography, COMSOL, UV spectrophotometer, FTIR, XRD, Origin, MS office