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Mr. S. R. Sitaaraman Working as an Assistant Professor in the Department of EEE at SRMIST, Ramapuram. He Graduated B.E. in Electrical and Electronics Engineering at PSNA College of Engineering and Technology, Dindigul, Tamilnadu, India. He secured Master of Technology in Nanotechnology at Vellore Institute of Technology, Vellore, India. He Pursued Ph.D. in the field of tandem cells for Photoelectrochemical water splitting at Vellore Institute of Technology, Vellore, India. He is in research for 5 years. He has published number of papers in International Journals, and Conferences.

Areas of Research:

Supercapacitors, Dye-sensitized and Perovskite solar cells, tandem cells for unassisted photoelectrochemical water splitting.

Selected Publications:

- 1. **S.R.Sitaaraman**, A. Nirmala grace, Raja Sellappan, "Carbon protected BiVO4-Cu2O Thin film tandem cell for solar water splitting", 2022, Catalysts, Vol. 13, pp. 144.
- S.R.Sitaaraman, A. Nirmala grace, Raja Sellappan, "Photoelectrochemical performance of spin coated TiO2 protected BiVO4-Cu2O thin film tandem cell for unassisted solar water splitting", 2022, RSC Advances, Vol. 12, Issue 48, pp. 31380-31391.
- S.R.Sitaaraman, A Nirmala Grace, Raja Sellappan, "Synthesis of dip coated bismuth vanadium oxide (BiVO4) with iron oxyhydroxides (FeOOH) for photoelectrochemical water splitting applications", 2021, International Journal of Nanotechnology, Vol. 18, Issue 5-8, pp. 374 387.
- S.R.Sitaaraman, MI Shanmugapriyan, K Varunkumar, A Nirmala Grace, Raja Sellappan, "Synthesis of heterojunction tungsten oxide (WO3) and Bismuth vanadate (BiVO4) photoanodes by spin coating method for solar water splitting applications", 2021, Materials today: Proceedings, Vol. 45, Part 4, pp. 3920 – 3926.

- S.R.Sitaaraman, Ravichandran Santhosh, Pratap Kollu, Soon Kwan Jeong, Raja Sellappan, Vimala Raghavan, George Jacob, Andrews Nirmala Grace, "Role of graphene in NiSe2/graphene composites-Synthesis and testing for electrochemical supercapacitors", 2020, Diamonds and related materials, Vol. 108, pp. 107983.
- N Santhosh, S.R.Sitaaraman, P Pounraj, R Govindaraj, M Senthil Pandian, P Ramasamy, "Fabrication of hole-transport-free perovskite solar cells using 5-ammonium valeric acid iodide as additive and carbon as counter electrode", 2019, Material letters, Vol. 236, pp. 706 – 709.
- Ravichandran Santhosh, S.R.Sitaaraman, Sudha Murali Krishna, Syam sai Ravuri, V Sandhya, Sourav Ghosh, Niroj Kumar Sahu, Sathyanarayanan Punniyakoti, Mani Karthik, Pratap Kollu, Soon Kwan Jeong, Andrews Nirmala Grace, "Heteroatom doped graphene based hybrid electrode materials for supercapacitor applications", 2018, Electrochimica Acta, Vol. 276, pp. 284 – 292.
- Chandan Abhishek Pandey, Syamsai Ravuri, R Ramachandran, R Santhosh, Sourav Ghosh, S.R.Sitaaraman, Andrews Nirmala Grace, "Synthesis of NiS–graphene nanocomposites and its electrochemical performance for supercapacitors", International Journal of Nanoscience, 2018, Vol. 17, pp. 1760021.

Google Scholar:

https://scholar.google.co.in/citations?user=jvfosawAAAAJ&hl=en&oi=ao

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