

LRG GOVERNMENT ARTS COLLEGE FOR WOMEN, TIRUPUR
DEPARTMENT OF ELECTRONICS

RESEARCH PUBLICATIONS FROM 2018 – 19 ONWARDS

S. No.	Year	Name of the faculty	Publications
1	2018	K. Rajendran	Performance of dye-sensitized solar cells employing polymer gel as an electrolyte and the influence of nano-porous materials as fillers, Materials Research Express 5 (11), 115305
2	2019	K. Rajendran	Effect of reaction temperature on electrical and magnetic properties of chemically synthesized MnS nanocrystals, Solid State Sciences 98, 106037.
3	2020	K. Rajendran	Performance of cross-linked polymers based gel electrolyte in the fabrication of quasi-solid state dye-sensitized solar cells, Materials Research Innovations 24 (1), 1-7.
4	2021	K. Rajendran	Pt-free and efficient counter electrode with nanostructured CoNi ₂ S ₄ /rGO for dye-sensitized solar cells, Inorganic Chemistry Communications 126, 108475.
5	2022	K. Rajendran	Ni ₃ S ₂ entrenched MWCNT composite as a low-cost Pt-free counter electrode for dye-sensitized solar cell: Conversion efficiency reached to 9.28%, Inorganic Chemistry Communications 144, 109841.
6	2022	K. Rajendran	Facile synthesis of cobalt sulfide/carbon nanotube composites as a lowcost Pt-free counter electrode for dye-sensitized solar cells (DSSCs), Diamond and Related Materials 130, 109440.
7	2023	K. Rajendran	Prediction of Coronary Heart Disease Risk for Occupational Drivers using Decision Tree Analysis, Journal of Nonlinear Analysis and Optimization Vol. 14, Issue.2.
8	2024	M. Balaji Prasad	A Novel Optimized Learning Framework With Swin Transformer for the Better Classification Of Lung Cancers, Fuzzy Systems and Soft Computing, Vol. 19, Issue No. 02(II).