

LRG GOVERNMENT ARTS COLLEGE FOR WOMEN, TIRUPUR

**DEPARTMENT OF PHYSICS CA
RESEARCH PUBLICATIONS FROM 2018 – 19 ONWARDS**

S.No	Year	Name of the faculty	Publication Details
1	2018-19	N Meenakshi Sundaram	Synthesis and characterization of hydroxyapatite/alumina ceramic nanocomposites for biomedical applications, Bulletin of Materials Science, 41(4), (2018), 93-100
2	2018-19	N.Meenakshi Sundaram	The impact of the modified Poisson– Boltzmann model on protein bound to a lipid coated silicon nanowire field effect transistor biosensor in an electrolyte environment, Physics and Chemistry of Liquids, 56(8),(2018) 1464162
3	2018-19	A.Elakkina kumaran	Spectroscopic and quantum chemical perspectives on 2-amino 5-methylpridinium 4-nitrobenzoate-an organic single crystals of optoelectronics device applications, Optics & Laser Technology, 103, (2018)291-299
4	2018-19	M.Kalyani,	Electrodeposition of nano crystalline cobalt oxide on porous copper electrode for supercapacitor, Journal of Materials Science: Materials in Electronics, 30, 2, (2018) 1214-1226,.
5	2018-19	M.Kalyani,	High-performance Super-capacitor Cobalt Oxide thinfilms by the Influence of Copper Substrate, International Journal of Pure and Applied Physics, 14(2), 115-124, 2018.
6	2019-20	M.Kalyani,	Influence of iron as a dopant in Cobalt oxide electrode for the application of high performance specific capacitance with excellent cycle stability, Journal of Emerging Technologies and Innovative

			Research(JETIR), 6 (6), 2019.
7	2019-20	M.Kalyani,	Electrochemical performance of Mn doped Co_3O_4 thin film electrodes by electro-deposition method, International Journal for Research in Applied Science & Engineering Technology (IJRASET), 7(4), 2019.
8	2019-20	M.Kalyani,	Comparative studies of $\text{NiMnCo}_3\text{O}_4$ thin film electrodes for supercapacitors applications, International Journal of Advances in Scientific Research, 5(4), 2019.
9	2019-20	M.Kalyani,	Synthesis and Characterization of $\text{NiFeCo}_3\text{O}_4$ Ternary Thin Film Electrodes for Supercapacitors Applications by Galvanostatic Method, Engineering and Medicine, 11, (2019) 1-9.
10	2022-23	N.Meenakshi Sundaram	Preparation of ciprofloxacin-loaded oyster shell derived hydroxyapatite composite film for biomedical applications, Journal of the Australian Ceramic Society, 59, (2023) 621 – 632.