



Nallamuthu Gounder Mahalingam College

(An Autonomous Institution, Affiliated to Bharathiar University)

90, Palghat Road, Pollachi - 642001, Coimbatore, Tamil Nadu, India.

95th Rank in NIRF – 2023 - Among Colleges in India.



CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.7.1: COLLABRATIVE RESEARCH DURING 2018-2019

COLLABRATIVE RESEARCH DURING 2018-2019							
Title of paper	Name of the author/s	Name of the Institutions/ Corporates	Department of the teacher	Name of journal	Year of publication	ISSN number	
Impact of lithium chlorate salts on structural and electrical properties of natural polymer electrolytes for all solid state lithium polymer batteries	P. Perumal, S. Selvasekarapandian, K.P. Abhilash, P. Sivaraj, R. Hemalatha, P. Christopher Selvin	*Solid State Ionics and Luminescence Laboratory, Department of Physics, Bharathiar University, Coimbatore, 641046, India, **Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing, 210094, China, ***Materials Research Center, Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi, 642001, India,, Pollachi, India, ****Department of Physics, Ayya Nadar Janaki Ammal College, Sivakasi, 626124, India, *****Department of Physics, Bharathiar University, Coimbatore, 641046, India.	Physics	Vacuum	2019	0042-207X	View

Investigations on The Effect Of Sm ³⁺ Doping on The Electrochemical Performance of The Li ₂ FeSiO ₄ /C Nanocomposite Cathode Material for Lithium Ion Batteries	Sivaraj.P, Abhilash.K.P , Christopher Selvin.P, Nalini.B	*Materials Research Center, Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi, 642001, India,, Pollachi, India **Solid State Ionics and Luminescence Laboratory, Department of Physics, Bharathiar University, Coimbatore, 641046, India, ***Herbert Gleiter Institute of Nanoscience, Nanjing University of Science and Technology, Nanjing, 210094, China, ****Department of Physics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, 641 043, India	Physics	Materials Today: Proceedings	2019	2214- 7853	View
Lithium ion conducting membrane based on K-carrageenan complexed with lithium bromide and its electrochemical applications	I. Arockia Mary N,S. Selvanayagam S. Selvasekarapan dian ,S. R. Srikumar , T. Ponraj , V. Moniha	*Department of Physics, Government Arts College, Melur, Madurai, Tamil Nadu, India **Department of Physics, Holy Cross College, Trichy, Tamil Nadu, India Materials Research Centre, Coimbatore, Tamil Nadu, India, ***Department of Physics, Bharathiar University, Coimbatore, Tamil Nadu, India, ****Department of Physics, Kalasalingam Academy of Research and Education, Krishnankoil, Srivilliputhur, Tamil Nadu, 626126, India, Materials Research Centre, Coimbatore, Tamil Nadu, India, *****Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi, Tamil Nadu, India,	Physics	Ionics	2019	0947- 7047	View

		Materials Research Centre, Coimbatore, Tamil Nadu, India *****Centre for Research and Post Graduate Studies in Physics, Ayya Nadar Janaki Ammal College, Sivakasi, India					
Lanthanide ion induced phase decomposition of tetragonal CaWO ₄	K. Somasundaram, Chandresh Kumar Rastogi, Indrani Roy, P. Christopher Selvin, V. Sudarsan	*Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi, 642001, Coimbatore, India, **Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Integrated Science Education and Research Centre, Visva-Bharati University, Santiniketan, 731235, India, ***Department of Physics, Bharathiar University Coimbatore, 641046, India, Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India	Physics	Materials Research Bulletin	2019	0025-5408	View
Hybrid DFT study on non-covalent interactions and their influence on pK _a 's of magnesium-carboxylate complexes	Subramaniam K avitha Palanisa my Deepa Mys amy Karthika R amasamy Kanak araju	*PG and Research Department of Physics, NGM College, Pollachi, 642001, India **Department of Physics, Manonmaniam Sundaranar University, Tirunelveli, 627012, India	Physics	Journal of Molecular Graphics and Modelling	2018	Online ISSN: 1873- 4243 Print ISSN: 1093- 3263	View