

Department of Physics –Book Chapter /Proceedings (2015-Jan 2022)

S. No	Author(s)	Title of Paper/Chapter	Name of the Book/Proceedings	Year of Publication	Publishers	Page No	ISBN
1.	J.Shanthi, R.Swathi, O.Seifunnisha	Self-Cleaning Antireflection Coating on Glass for Solar Energy Applications	Artificial Intelligence, Internet of Things (IoT) and Smart Materials for Energy Applications	2022	CRC Press Taylor & Francis Group	-	-
2.	L. Vasanthi and N.S Rajeswari	Preformation probability of alpha in SHE with Z=118 to 125	Proceedings of the DAE Symposium on Nuclear Physics	2021	DAE-BRNS Department of Atomic Energy – Board of Research on Nuclear Sciences	184-185	818372084-6
3.	Ajith K.Christopher Selvin P. Abhilash K.P.Sivaraj P.Nalini B.Soundarya G.G.	A correlative study on electrochemical and optical properties of LLZO (Li ₇ La ₃ Zr ₂ O ₁₂) garnet electrolyte	Materials Today: Proceedings	2020	Elsevier	https://doi.org/10.1016/j.matpr.2020.08.812	2214-7853
4.	B.Nalini	Impedance Spectroscopy- A Tool for Understanding Material Towards Application	Book entitled, “Research Methodology”	2020	AkiNik P	276 - 295	978-93-90420-52-0,
5.	N.S Rajeswari and B. Keerthika	Mass dependence of proton and neutron spin-orbit splitting	Proceedings of the DAE Symposium on Nuclear Physics	2019	DAE-BRNS Department of Atomic Energy – Board of Research on Nuclear Sciences	302-303	818372083-8
6.	N.S Rajeswari	Backbending of ¹⁶² Dy using	Proceedings of the	2018	DAE-BRNS	340-341	818372081-1

	and B. Keerthika	Nilsson deformed model	DAE Symposium on Nuclear Physics		Department of Atomic Energy – Board of Research on Nuclear Sciences		
7.	R.Kasthuri and N.S Rajeswari	Alpha and proton decay of ^{166}Ir	Proceedings of the DAE Symposium on Nuclear Physics	2018	DAE-BRNS Department of Atomic Energy – Board of Research on Nuclear Sciences	390-391	818372081-1
8.	N. S. Rajeswari C. Nivetha, M.Balasubramaniam	Role of surface energy coefficients in cluster decay	Proceedings of the DAE Symposium on Nuclear Physics	2017	DAE-BRNS Department of Atomic Energy – Board of Research on Nuclear Sciences	526-527	818372031-1
9.	D Lakshmi, B Nalini	$\text{Sn}_{1.5}\text{Sb}_3\text{Ce}_{0.5}$ as effective anode material for Li ion batteries: Electrochemical and electrical analyses	AIP Conference Proceedings	2017	AIP Publishing LLC	1942 (1) 140073	978-0-7354- 1634-5
10.	D.Lakshmi and B.Nalini	Investigation on SnSb: Ni,Ce as anode for Li ion batteries	Proceedings of ICONEST 2nd International Conference on Electrochemical Science and Technology 2017	2017	Indian Institute of Science, Bengaluru	-	-
11.	Sivaraj.P, Abhilash K.P, Christopher Selvin.P, Nalini B, Lakshmi Devaraj,	Structure and Electrochemical Performance of Bare and Ti doped $\text{Li}_2\text{FeSiO}_4/\text{C}$ nanocomposite Cathode	Proceedings of ICONEST 2nd International Conference on	2017	Indian Institute of Science, Bengaluru	OP-Eng- 20	-

	K.Somasundaram, Perumal.P	material for Lithium ion Batteries	Electrochemical Science and Technology 2017				
12.	M.Ramya, Sylvia Subapriya, Nalini B	Glycyrrhiza glabra — a Natural Panacea against Diarrhoea and Cancer	Proceedings of ICMR Sponsored National Conference on Challenging Issues and Technological Approaches in Medicine CITAM 2016	2016	Department of Science and Humanities Faculty of Engineering Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore - 641 108	123-128	-
13.	M.Ramya, Sylvia Subapriya, Nalini B	Antioxidant, Antidiarrhoea & Anticancerous Effect of Nanocoated Food Packages (Glycyrrhiza glabra)	National Conference on Advances in Science and Engineering Research March 2016	2016	Elixir Biotech Students Association Department of Biotechnology Arunai Engineering College, Thiruvanamalai	51-52	978-81- 926425-3-6
14.	D Lakshmi, B Nalini, KP Abhilash, PC Selvin	Accomplishment of highly porous-lithium lanthanum titanate through microwave treatment	AIP Conference Proceedings	2016	AIP Publishing LLC	1731 (1), 050079	978-0-7354- 1378-8
15.	K. Prabu, B. Nalini, B. Suresha, M. Sekar	Tribological Study Of Antifriction Lubricating Gear oil with Nanoadditives of Abrasive particles	Proceedings of International Conference on Advanced Material Technologies (ICAMT 2016)	2016	Dadi Institute of Engineering and Technology (DIET), Visakhapatnam, Andhra Pradesh		

16.	K. Prabu, B. Nalini, B. Suresha, M. Sekar	Analysis of Tribological Properties of Lubricating Gear Oil with Nano Silica Particles	Proceedings of International Conference on Fascinating Advancement in Mechanical Engineering	2016	Department of Mechanical Engineering, Mepco Schlenk Engineering College (Autonomous) Sivakasi, Virudhunagar Dt.	497-502	-
17.	N. S. Rajeswari I. Sreeja, M. Balasubramaniam	Two proton radioactivity in ^{45}Fe and ^{48}Ni	Proceedings of DAE-BRNS Symposium on Nuclear Physics	2016	DAE-BRNS Department of Atomic Energy – Board of Research on Nuclear Sciences	422-423	818372079-X
18.	Rajeswari. N. S, Kavitha. N, Padma Priya. M	Energy Audit in a Selected Spinning Mill for the Assessment of Consumption and Efficient Management of Electrical Energy	Book of Papers of UGC Sponsored National Conference on Eco-Textiles and Green Consumerism, ETGC-2016	2016	Department of Textiles, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	194-201	978-93-84234-94-2
19.	J.Shanthi V.Sheelarani	Growth and characterization of nonlinear optical single crystal: Nicotinic L-tartaric	Proceedings of the 59th DAE Solid State Physics Symposium 2014	2015	AIP	100003 (1-3)	978-0-7354-1310-8
20.	Christopher Selvin, Abhilash Karuthedath, Nalini Balakrishnan, Somasundaram Kalimuthu	Investigations on pure and Cu doped nanocrystalline LLTO for Lithium Ion Batteries	Proceedings of 14 th Asian Conference on Solid State Ionics - Solid State Ionics from Lab to Fab	2015	Research Publishing, ngapore	548 -559	13- 978-981-09-1137-910-981-09—1137-8