



VELLALAR COLLEGE FOR WOMEN (AUTONOMOUS)

College with Potential for Excellence (Re-accredited with 'A' Grade by NAAC)

Thindal, Erode – 638 012.



PUBLICATIONS

DEPARTMENT OF PHYSICS

2014-2019

S.No.	Name of Author(s)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor
1.	R. Radhika	Structural, optical and electrical properties of nano structured flower like ZnO thin films	Journal of Nanoscience and Nano technology,	Feb-14, vol.2,issue.1	–	–
2.	L. Usha	-	National conference on innovative approaches in biological sciences towards sustainable development, PG & Research Department of Botany,	2014	–	–

			Vellalar College for Women jointly AWE Care Analytical & Research Laboratories, Erode.			
3.	Dr. P.Anitha	Influence of Manganese on the synthesis of nano Hydroxyapatite by wet chemical method for <i>in vitro</i> applications	American Journal Phytomedicine and clinical therapeutics	2015, vol.3, Issue.4	-	-
4.	L.Usha	Role of soil electrical conductivity (EC) and pH in the suitability prognosis of agricultural practices in Noyyal river basin	ScieXplore: International Journal of Research in Science	2015, Vol.2, Issue.1	-	-
5.	Dr. M. Yogeswari	First principles investigation of half-metallic ferromagnetism in alkaline-earth oxides doped with group VII elements	ScieXplore: International Journal of Research in Science	2016, Vol.3, Issue.1	-	-

6.	L.Usha	Electrical conductivity as pedotransfer function in the determination of sodium adsorption ratio in soil system in managing micro level farming practices in India: An effective low cost technology, World Academy of Science, Engineering and	International Journal of Agricultural and Biosystems Engineering	2017, Vol.4	-	-
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		Technology				
7.	Dr. P.Anitha	Sol-gel mediated synthesis of pure Hydroxyapatite at different temperatures and silver substituted Hydroxyapatite for biomedical applications	Journal of biotechnology and Biomaterials	2017, Vol.7, Issue.4	-	-
8.	Dr. P.Anitha	Incorporation and <i>in vitro</i> application of Hydroxyapatite with Silver and Titanium dopants synthesized by wet chemical method	Journal of Environmental Nanotechnology	2017, Vol.6	-	-
9.	Dr. C.Deepa	Green synthesis of ZincOxide nanoparticles using <i>TAGETES ERECTA</i> flower extract	IAETSD Journal for Advanced Research in Applied Sciences	2018, Vol.5,issue.1	-	-
10.	R. Bhuvaneshwari	Theoretical study on the gas phase reaction of methyl chavicol with hydroxyl radical	Computational and Theoretical Chemistry	2019, Vol. 1151	78-90	-

2019-2020

S.No.	Name of Author(s)	Title of the Paper	Name of the Journal	Year, Volume	Page No.
1.	R.Bhuvaneshwari	A comprehensive quantum chemical study on the mechanism and kinetics of atmospheric reactions of 3-Chloro-2-methyl-1-propene with OH radical.	Journal of Theoretical Chemistry Accounts	2020, 139	2-16
2.		First principle studies on the atmospheric oxidation of HFC-C1436 Initiated by OH radical.	New Journal of Chemistry	2020, 44	2070-2082
3.		Photoluminescence and enhanced photocatalytic activity of ZnO nanoparticles through incorporation of metal dopants Al and Ca	Optik- International Journal of Light and Electron	2020, 202	1-7
4.	A.P.Sudha	Photoluminescence properties of pure, Fe-doped and surfactant- assisted Fe-doped tin-oxide nanoparticles	Bulletin of materials science	2020, 43	212

2020-2021

S.No.	Name of Author(s)	Title of the Paper	Name of the Journal	Year, Volume	Page No.
1.	Dr.P.Anitha	Synthesis and Characterization of Pure Nanosilver, Pineapple and Fig Capped Nanosilver With Potential as Smart Biomaterials for In-Vitro Studies	International Journal of Advanced Science and Engineering	2020, 7(3)	1854-1859
2.		Synthesis and Characterization of Nano Sized Cobalt Oxide by Precipitation Method	Nanoscale Reports	2020, 3(3)	1-5

3.	Dr.A.P.Sudha	AcalyphaIndica mediated MgO NP's: A Novel Approach in Greener Route with its Antibacterial Activity against Pathogens	Nanoscale Reports	2020, 3(2)	19-26
4.		Appraisal of Innovative Phytosynthetic Cd nanoparticles from Leaf Extract of Ocimum Sanctum and their Bactericidal Activity against Different Strains	Nanoscale Reports	2020, 3(2)	1-8
5.		Photoluminescence Properties of Pure, Fe-doped and Surfactant-Assisted Fe-doped tin-oxide Nanoparticles	Bulletin of Materials Science	2020, 43	212-221
6.		Surfactant Assisted Spectroscopic Application of Cadmium Oxide Nanoparticles Prepared via Co-precipitation Method	Materials Today Proceedings	2021, 50	48-52

2021-2022

S.No.	Name of Author(s)	Title of the Paper	Name of the Journal	Year, Volume	Page No.
1.	Dr.M.Yogeswari	Impact of Alkaline-Earth Metals (Ca and Mg) on Structural, Optical, Antibacterial and Photo Catalytic Properties of ZnO Nano Particles	MRS Advances	May 2022	450-455

2022-2023

S.No.	Name of Author(s)	Title of the Paper	Name of the Journal	Year, Volume	Page No.
1.	Dr. P. Anitha	Influence of bath temperature and deposition time on hardness and magnetisation of electrodeposited Nickel Manganese tungsten thin films	Journal of Ovonic Research	2023, 19(2)	231-238

2023-2024

S.No.	Name of Author(s)	Title of the Paper	Name of the Journal	Year, Volume	Page No.
1.	Dr. P. Anitha	Biological synthesis of manganese oxide nanoparticles from aerial parts of prunus dulcis and their in vitro investigation of medical properties,	Applied Organometallic Chemistry	2023, 37(12)	7283
2.	Dr. P. Anitha	A novel biosynthesis of activated carbon manganese oxide nanocomposite and assessment of the biomedical role in fabricated cotton fabric nanocomposite,	Journal of Molecular Structure	2024, 1320	139615