PUBLICATIONS

DEPARTMENT OF PHYSICS

2013-2014

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	UGC Listed /Referred/ Peer Reviewed / Scopus	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
P. Anitha	Journal of environmental nanotechnology	Comprehensive review of preparation methodologies of nano Hydroxyapatite	Referred	3,1,101-121, 2014	10.13074/jent.2013.12.132058	7.134
P.Sri Devi	Journal of nanoscience and nanotechnology	Structural and optical properties of Cerium doped zinc oxide thin films using spray pyrolysis	Referred	2, 1, 34-37, 2014	2279 – 0381	1.354

2014-2015

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	UGC Listed /Referred/ Peer Reviewed / Scopus	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
P. Anitha	Nanotechnology Research and Practice	Synthesis, Characterization and antimicrobial activity of nano hydroxyapatite via a novel sol-gel method	Peer Reviewed	3, 3, 122-126, 2014	2312-7856 / 10.13187/ejnr .2014.3.120	–
N. Dhachanamoorthi	International Journal of ChemTech Research	Synthesis of nano Al2O3 – Poly(o-toluidine) Composites and Investigations on the Additive Influences in its Characters	Referred	7, 3, 1303-1308, 2013-2014	0974-4290	0.57
M.Jothi	Molecular Simulation	Probing the effect of electric field in 9,10-dimethoxy-2,6-bis(2-ptolylethynyl) anthracene molecular nanowire using quantum chemical and charge density analysis,	Peer Reviewed	41,4, 315-324, 2015	doi.org/10.1080/08927022.2013.879471	1.449

2015-2016

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P. Anitha	American Journal of Phytomedicine and clinical therapeutics	Influence of Manganese on the systhesis of nano Hydroxyapatite by wet chemical method for invitro applications,	Peer Reviewed	3,04,394-402, 2015	2321-2748	1.15

2016-2017

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	UGC Listed /Referred/ Peer Reviewed / Scopus	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
A.P.Sudha	Journal of Material Science Mater. Electron	Influence of trivalent(Bi, Sb) metal ions on the photosensitivity of doped CU2 Se Thin films,	Scopus	28, 9, 6379-6387, 2016	10.1007/s10854-016-6322-3	2.019
N. Dhachanamoorthi	Mechanics, Materials Science & Engineering	Facile Preparation and Characterization of Polyaniline-iron Oxide Ternary Polymer Nanocomposites by Using	Peer Reviewed	273-280 , 2017	10.2412/mmse.41.37.672	_

		"Mechanical Mixing" Approach				
A.P.Sudha	6th National Seminar on Advances in Material Science	Synthesis and characterization of Cu2Se thin films with monovalent, divalent and trivalent cation via chemical bath deposition method	UGC Sponsored	136-138,2017	978-93-81402-40-5	_
A.P.Sudha	International Workshop on Advanced Functional Materials and Devices	Chemically deposited Cd^{2+} doped Cu_2Se thin films	UGC Sponsored	133-134,2017	978-93-81402-38-2	_
K.Sujatha	Nanotechnology Research and Practice,	Synthesis, Characterization of Nano Tin Oxide via Co-precipitation Method	Peer Reviewed	3,Vol.(11) ,2016,	2312-7856	_

2017-2018

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	UGC Listed /Referred/ Peer Reviewed / Scopus	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
C. Deepa	Journal of Environmental Nanotechnology	Facile Green Synthesis of Carbon Nanoparticles using Medicinally Murraya koenigii Shoots,	Refereed	6 ,1, 01-04,2017	10.13074/jent.2017.03.171232	7.134
C. Deepa	Journal of Environmental Nanotechnology	A Novel Comparative Study of Chemical and	Refereed	6, 1, 23-26,2017	10.13074/jent.2017.03.171	7.134

		Green Synthesis of Silver Nanoparticles,			226	
P.Sri Devi	Journal of Environmental Nanotechnology	Structural and Surface Morphological change in Incorporation of Magnesium on Synthesised Nano Hydroxyapaptite	Refereed	6 ,1, 55-57 ,2017	10.13074/jent .2017.03.171 227	7.134
P.Sri Devi	Journal of Environmental Nanotechnology	Efficient Zinc Oxide incorporation in Nano Hydroxyapaptite by Sol-Gel Synthesis,	Refereed	6 ,1, 10-12 , 2018	10.13074/jent .2017.03.171 218	7.134
P.Sri Devi	International journal of Trend in research and development	Antibacterial investigation of Eco friendly green mediated systhesis of Cu nano particles using Occum Santhem (Tulsi) leaf extracts	Peer Reviewed	4,3, 288-290, 2017	2394-9333	4.396
R.Bhuvaneswari	The Journal of Physical Chemistry A	Theoretical investigation on the mechanism and kinetics of OH radical initiated reactions of Monochloro acetic acid	Peer Reviewed	121, 32, 6028-6035,2018	10.1021/acs.jpca.7b03760	2.836
P.Sri Devi	Journal for Advanced Research in Applied Sciences	Nonthermal Plasma treated synthesised pure and ZnO incorporated nano Hydroxyapatite	UGC	5,1, 440-444,2018	16. 10089. JARAS. 2018. V5I1. 140146.2379	3.265

P.Sri Devi	International journal of scientific research in science and technology	Characterization of facile synthesized nano Hydroxyapatite treated by DC glow discharge plasma for different exposure time	Peer Reviewed	4,2, 1524-1527,2018	2395-6011,2018	5.327
A.P.Sudha	Applied physics A	Effect of Na doping on structural, optical and electrical properties of Cu2Se thinfilms prepared by chemical bath deposition method	Scopus	124, 164, 1-8	10.1007/s00339-018-1598-1	1.694
A.P.Sudha	Jordan journal of physics	Synthesis and characterization of monovalent, divalent and trivalent cation doping of Cu2Se thin film using chemical bath deposition method	Peer Reviewed	11,2, 125-130,2018	–	–
P.Sri Devi	International Journal of Scientific research &Development	Characterization of green mediated synthesis of Titanium di oxide nanoparticles using Vigna Radiata	Peer Reviewed	5,8,531-533,2017	2321-0613	4.396
K.Sujatha	International journal of Scientific research in science and technology	Preparation and Characterisation of Pure and Zn-doped SnO2 Nanoparticles	Peer Reviewed	Volume 3 | Issue 8 |639-642,2017	2395-6011	5.327

2018-2019

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A.P.Sudha	International Journal of Research and Analytical reviews	Eco-friendly approach towards green synthesis of ZnO nanoparticles using Saccharum Officinarum leaf extract and its photocatalytic activity	UGC	5, 4, 284-295,2018	–	5.75
K.Sujatha	Materials Science & Engineering C	Fabrication and characterization of chicken feather keratin/polysaccharides blended polymer coated nonwoven dressing	Scopus	11-Jun-18	10.1016/j.msec.2018.06.020	4.959
P.Sri Devi	International journal of Scientific research in science and technology	Green Synthesis with antibacterial of Investigation Copper nanoparticles Azadirachta Indica(Neem) leaf extract	Peer Reviewed	4, 8, 697-701, June 2018	2395-6011	5.327
K.Sujatha	Nano -Structures & Nano-Objects	Photocatalytic Activity of Pure, Zn doped and Surfactants assisted Zn doped SnO2 nanoparticles for degradation of cationic dye	Scopus	18, March 2019, 100305-100315	10.1016/j.nanoso.2019.100305	2.8

A.P.Sudha	Nano -Structures & Nano-Objects	Photocatalytic Activity of Pure, Zn doped and Surfactants assisted Zn doped SnO2 nanoparticles for degradation of cationic dye	Scopus	18, March 2019, 100305-100315	10.1016/j.nanoso.2019.100305	2.8

2019-2020

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K.Sujatha	IET Nanobiotechnology	Influence of surfactants on structural,morphological, optical and antibacterial properties of SnO2 nanoparticles	Scopus	Accepted on 5th August 2019	10.1049/iet-nbt.2019.0095	1.925
A.P.Sudha	IET Nanobiotechnology	Influence of surfactants on structural,morphological, optical and antibacterial properties of SnO2 nanoparticles	Scopus	Accepted on 5th August 2019	10.1049/iet-nbt.2019.0095	1.925
K.Sujatha	Re- Use and Recycling of Materials Solid Waste Management and Water Treatment	A Critical Review on Wastewater Treatment Techniques for Reuse of Water in Industries	Scopus	Accepted		
P. Sri Devi	Materials Today: Proceedings	Analysis of antibacterial activity and cytotoxicity of silver oxide doped 4 hydroxyapatite exposed to DC glow discharge plasma	Scopus	Accepted on 30th September 2019	10.1016/j.matpr.2019.09.204	

N.Dhachanamoorthi	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	Synthesis And Characterization Of Polypyrrole?Zinc Oxide Core-Shell Hybrid Polymer Nanocomposites	Google Scholar	9, 441-451	ISSN 2277-8616	
N.Dhachanamoorthi	Journal of Engineering Science	Formation And Structural Investigation Of Polypyrrole-Iron Oxide Polymer Nanocomposites	Google Scholar	10, 584-593	0377-9254	
M.Jothi	International Journal of Scientific & Technology Research	Synthesis and Characterization of Polypyrrole-Zinc Oxide core-shell Hybrid Polymer Nanocomposites	Scopus	9(2), 441-451		
P.Sri devi	IAETSD JOURNAL FOR ADVANCED RESEARCH IN APPLIED SCIENCES	Non Thermal Plasma Treated Synthesised Pure And Zinc Oxide Incorporated Nano Hydroxyapatite	Thomson Reuters	5, 440-444	2394-8442	5.8
M.Jothi	International Journal of Engineering Research & Technology	Synthesis and Characterization of Polypyrrole-Antimony (III) Oxide Hybrid polymer nanocomposites	Scopus	8(12), 924-935	2278-0181	
A.P. Sudha	Nano -Structures & Nano-Objects	Photocatalytic Activity of Pure ,Zn doped and Surfactants assisted Zn doped SnO2 nanoparticles for degradation of cationic dye.	Scopus	18, 100305-100314		2.8
K.Sujatha	BULLETIN OF MATERIALS SCIENCE	Photoluminescence properties of pure, Fe-doped and surfactant-assisted Fe-doped tin-oxide	Scopus	43, 212		1.392

		nanoparticles				
K. Sujatha	Nano -Structures & Nano-Objects	Photocatalytic Activity of Pure ,Zn doped and Surfactants assisted Zn doped SnO2 nanoparticles for degradation of cationic dye.	Scopus	18, 100305-100314	2394-8442	2.8
N. Dhachanamoorthi	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	A Novel Hybrid Organic – Inorganic Cdo Doped Poly-O-Toluidine Polymer Nanocomposite For Gram Positive Anti-Microbial Activity	Google Scholar	8, 962-966	ISSN 2277-8616	