



## VELLALAR COLLEGE FOR WOMEN (AUTONOMOUS)

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

Thindal, Erode – 638 012.



## PUBLICATIONS

### DEPARTMENT OF CHEMISTRY

2021-2022

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
G.Myvizhi	Asian Journal of Chemistry	Structural and Optical Studies of Hydrothermal Synthesis of Yttrium Oxide Nanoparticles: In Vitro Antioxidant Activity	Volume 34, Issue 3, February 2022, pp. 651-656	ISSN: 0975-427X (Online) ISSN: 0970-7077 (Print)	0.158
G.Myvizhi	Journal of Pharmaceutical Research	Recent Progress And Biomedical, Applications Of Metal Oxide	Volume 14, Issue 1, March	ISSN: 2573-962X	-

		Based Biodegradable Polymer Nanocomposites –An Overview	2022, pp. 45-59		
G.Myvizhi	Oriental Journal of Chemistry	Hydrothermal Synthesis and Characterization of Yttrium Oxide Nanoparticles :Bioavailability and Targetting of Breast Tumors	Volume 38, Issue 2, March 2022, pp. 312-317	0970020X	0.26

**2022-2023**

<b>Name of the Author(s)</b>	<b>Name of the Journal/ Book/ Conference Proceedings</b>	<b>Title</b>	<b>Volume, Issue, P.No. and year</b>	<b>ISBN/ ISSN/ DOI</b>	<b>Impact Factor</b>
R.KAYALVIZHI	International Journal of Applied Pharmaceutics	Phytochemical Analysis and Screening the Biological activitiesof Unripe Pods of PongamiaGlabra Vent	14(Thematic Special Issue), pp.106-110, 2022	ISSN: 0975-7058	0.195
G.MYVIZHI	Chemical Papers	Investigation of biocompatible Polyvinylpyrrolidone intercalated yttrium oxide nanocomposites (PVP/Y2O3 NCs) for antibacterial and antitumor applications	Volume 77, ,1231-1245, October 2022	2585-7290 (Electronic ISSN), 0366-6352 (Print ISSN)	2.146

**2023-2024**

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
Dr.R.Kayalvizhi	Biomass Conversion and Biorefinery	Tribulus terrestris synthesized Fe <sub>3</sub> O <sub>4</sub> /ZnO nanocomposites for ultra-rapid methyl orange elimination using ultrasonic waves	March 2024	ISSN: 2190-6815	
Dr.S.Malathi	European Journal of Biomedical and Pharmaceutical sciences	Biosynthesis of pristine ZnO and Co-Doped ZnO nanocomposites using Mentha Piperita leaf extract for photocatalytic and antioxidant applications	Volume - 10, Issue - 8, July 2023	pp. 183 -190, ISSN: 2349-8870	
Dr.S.Malathi	Desalination and Water Treatment	A sustainable green synthesis for photocatalytic and antibacterial activity of zinc oxide nanoparticles using Cucumis maderaspatanus leaf extract	319, 2024	100457, ISSN: 1944-3986	
Dr.G.Myvizhi	European Journal of Biomedical and Pharmaceutical sciences	Biosynthesis of pristine ZnO and Co-Doped ZnO nanocomposites using Mentha Piperita leaf extract for photocatalytic and antioxidant applications	Volume - 10, Issue - 8, July 2023	pp. 183 -190, ISSN: 2349-8870	
Dr.G.Myvizhi	Desalination and Water Treatment	A sustainable green synthesis for photocatalytic and antibacterial activity of zinc oxide	319, 2024	100457, ISSN: 1944-3986	

		nanoparticles using Cucumis maderaspatanus leaf extract			
Dr. M. Sumithra	Journal of Environmental Nanotechnology	Investigation of Novel Biodegradable Almond Gum-Poly Vinyl Alcohol Bi-polymer Blend for Packaging Applications	13(2), 2024	pp. 349-354, ISSN (Print): 2279-0748 ISSN (Online): 2319-5541	