



**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

2014-2020

S.No.	Name of Author(s)	Title of the Paper	Name of the Journal	Year, Volume	Page No.
1.	Dr. N. Vijaya	Role of Zn <sup>2+</sup> in Enhancing the inhibition efficiency of Tri Sodium Citrate"	European Chemical Bulletin	2013, Vol.2 (5)	275-278
2.	Dr. N. Vijaya	Influence of Al <sup>3+</sup> on Corrosion Inhibition of Trisodium Citrate	Influence of Al <sup>3+</sup> on Corrosion Inhibition of Trisodium Citrate	2014, Vol. 4, No. 2;	937-945
3.	Dr. N. Vijaya	Corrosion inhibition by Trisodium Citrate-Ni <sup>2+</sup> System for carbon steel in well water	Nature and Science Journal	2014, 2 (5)	-

4.	Dr. N. Vijaya	Influence of Potassium Permanganate-Zn <sup>2+</sup> System on Inhibition of Corrosion of Mild Steel in Simulated Concrete Pore Solutions	Chemical Science Review and Letters	2014, 3 (11)	415-424
5.	Dr. N. Vijaya	Investigation on the Inhibition of Mild Steel Corrosion in Neutral Solution by 1-(8-Hydroxy quinolin-2-yl-methyl) thiourea	Journal of chemical , Biological and Physical Sciences	2014, Vol.4(4)	3001-3010
6.	Dr. N. Vijaya	Corrosion Inhibition By Trisodium Citrate (TSC)-Al <sup>3+</sup> System in Well water	Innovative approaches in biological sciences towards sustainable development organized by PG & Research Department of Botany on 23.7.2014 & 24.7.2014	2014	131-137
7.	Dr. V. Sreeja	Electrochemical and Spectroelectrochemical Behaviour of Reactive Red 2 Dye	Journal of Management and Science, Special Issue XIV	Jan 2014, Vol.3	7-15
8.	Dr. J. Indira	Novel banana peel pectin mediated green route for the synthesis of hydroxyapatite nanoparticles and their spectral characterization	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	Jan. 2014, Vol.118	589-597

9.	Dr.J.Indira	Influence of surfactant concentration on nanohydroxyapatite growth	Bulletin of Materials Science	October 2013, Vol. 36, (5)	799-805
10.	Dr.V. Sreeja	A study on efficient dyeing and preparation of activated carbon from peels of citrus fruits for adsorption studies	Innovative approaches in biological sciences towards sustainable development organized by PG & Research Department of Botany on 23.7.2014 & 24.7.2014	2014	162-170
11.	Dr.V. Sreeja	Dextrose stabilized green synthesis route for ZnO nanoparticles	Innovative approaches in biological sciences towards sustainable development organized by PG & Research Department of Botany on 23.7.2014 & 24.7.2014	2014	54-57
12.	Dr.S.K.Kavitha	SciXplore: International Journal of Research in Science	Heterogeneous photocatalytic Treatment of Textile Effluent using Semiconductor Oxide under UV irradiation	December 2015, Vol.2 (2)	7-12
13.	Dr.J.Indira	Dextrose stabilized green synthesis route for ZnO nanoparticles	Innovative approaches in biological sciences towards sustainable development organized by PG & Research Department of Botany on 23.7.2014 & 24.7.2014.	2014	54-57

14.	Dr.J.Indira	A study on efficient dyeing and preparation of activated carbon from peels of citrus fruits for adsorption	Innovative approaches in biological sciences towards sustainable development organized by PG & Research Department of Botany on	2014	162-170
15.	Dr.J.Indira	Starch mediated synthesis of hydroxyapatite nanoparticle for biomedical applications	Kongunadu Research Journal	January 2015, 2 (1)	15-17
16.	Dr.J.Indira	Synthesis and characterization of bioceramic/triterpenoid porous nanocomposite for biomedical applications	Nanomaterials and Nanotechnology (NANO-15)	2015	95-98
17.	Dr.S.Deepika Priyadharshini	Journal of the Indian Chemical Society	Phytochemical profile of Allmanianodiflora through in vitro antioxidant assays and GC- MS analysis	2015	904-907
18.	Dr.S.Deepika Priyadharshini	Journal of the Indian Chemical Society	Investigation of antioxidant activity and isolation of bioactive constituents from Albiziaamara bark extracts	2015	555-558
19.	Dr.N.Vijaya	Corrosion Inhibition of Carbon Steel in Well water by Trisodiumcitrate-Cu <sup>2+</sup> as Inhibitor	World Journal of Pharmacy and pharmaceutical sciences	2017, Vol 6	642-659

20.	Dr.V.Sreeja	Adsorption Efficiency of Activated Carbon Prepared from Delonixregia Fruit pods - Kinetic, Equilibrium and Thermodynamic	Journal for Advanced research in Applied Sciences	2018, Vol 5	375-381
21.	Dr.V.Sreeja	Comparative Efficiency of Pb-Pb, Pb-SS, Pb-Cu Electrodes in the Electrochemical Destruction of Reactive Orange M2R	Journal for Advanced research in Applied Sciences	2018, Vol. 5	333-337
22.	Dr.V.Sreeja	Cyclic Voltammetric Studies of Reactive Anthraquinone Dye RB4	Journal for Advanced research in Applied Sciences	2018, Vol. 5	448-493
23.	Dr.V.Sreeja	Gramma Theivangal	Namakal Gandhipuram Gramma Theivangal	Feb 2018	200-204
24.	Dr.S.Deepika Priyadharshini	Biodegradability of Starch Blends- A Review	International Journal of Pharmacy and Technology	2017, Vol 9	6541-6550
25.	Dr. K.Vanitha Bharathi	Biodegradability of Starch Blends- A Review	International Journal of Pharmacy and Technology	2017, Vol 9	6541-6551

26.	Dr.S.Deepika Priyadharshini	Phytochemical profile of Two greens: Amaranthus tristis and Basella alba, for their invitro antioxidant and antimicrobial properties-Acomparison	International Journal of Pharmaceutical Research	2018, Vol. 10	97-108
27.	Dr. K.Vanitha Bharathi	Phytochemical profile of Two greens: Amaranthus tristis and Basella alba, for their invitro antioxidant and antimicrobial properties-Acomparison	International Journal of Pharmaceutical Research	2018, Vol. 10	97-109
28.	Mrs.V.Priya	Studies on the adsorption of Rhodamine B using Novel Nanocarbon balls	Rasayan Journal of Chemistry	2018, Vol. 11	4
29.	Dr.V.Sreeja	Adsorption Efficiency of Activated Carbon Prepared from Delonixregia Fruit pods - Kinetic, Equilibriumand Thermodynamic Studies	Journal for Advanced Researchin Applied Sciences	2018, 5 (1)	375-381
30.	Dr.V.Sreeja	Comparative Efficiencyof Pb-Pb, Pb- SS, Pb-CuElectrodes in the Electrochemical Destruction of Reactive Orange M2R	Journal for Advanced Researchin Applied Sciences	2018, 5 (1)	333-337
31.	Dr.V.Sreeja	Cyclic VolammetricStudies of Reactive Anthraquinone DyeRB4	Journal for Advanced Researchin Applied Sciences	2018, 5 (1)	448-493

32.	Dr.S.Deepika Priyadharshini	Phytochemical Profile of Two Greens: Amaranthustristis and Basella alba, for their InVitro Antioxidant and AntimicrobialProperties	International Journal of Pharmaceutical Research	2018	-
33.	Dr. K.Vanitha Bharathi	Phytochemical Profile of Two Greens: Amaranthustristis and Basella alba, for their InVitro Antioxidant and Antimicrobial Properties	International Journal of Pharmaceutical Research	2018, 10	-
34.	Mrs.V.Priya	Studies on the Adsorption of Rhodamine-B using novel Nano CarbonBalls	Rasayan Journal of Chemistry	2018, 11	1663-1673

**2021-2022**

<b>S.No.</b>	<b>Name of Author(s)</b>	<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>Year, Volume</b>	<b>Page No.</b>
1.	Dr.V.Sreeja	Electroanalysis of Reactive Dyes on Glassy Carbon Electrode	Materials Today: Proceedings, Elsevier	2022, 48(2)	338-342
2.		Synthesis of Silver/Hydroxyapatite/Tryptophan Nanaocomposite Particles by Biological Method	Materials Today: Proceedings, Elsevier	2022, 51 (4)	1685-1689
3.	Dr.J.Indira	Synthesis of Silver/Hydroxyapatite/Tryptophan Nanaocomposite Particles by Biological Method	Materials Today: Proceedings, Elsevier	2022, 51 (4)	1685-1689
4.		Comparison of Template Mediated Ultrasonic and Microwave Irradiation Method on the Synthesis of Hydroxyapatite Nanoparticles for Biomedical Applications	Materials Today: Proceedings	2022, 51 (4)	1765-1769
5.	Dr. K.Vanitha Bharathi	Recent Progress And Biomedical, Applications Of Metal Oxide Based Biodegradable Polymer Nanocomposites –An Overview	Journal of Pharmaceutical Research	2022, 14(1)	45-59



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S.No.	Name of Author(s)	Title of the Paper	Name of the Journal	Year, Volume	Page No.
1.	Dr.N.Vijaya	<b>Book Chapter:</b> Use of Nanocomposites as photocatalysts, Nanocomposites by N.B. Singh	Jenny Stanford Publishing	December 2022	283-328
2.	Dr.N.Vijaya	<b>Book Chapter:</b> Clay Supported TiO <sub>2</sub> Nanocomposites as Photocatalysts, Nanocomposites by N.B. Singh	Jenny Stanford Publishing	December 2022	329-374
3.	Dr.V.Priya	Influence of using ICT Tools in Higher Education	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS)	March 2023, 3(3)	376-382

**2023-2024**

<b>S.No.</b>	<b>Name of Author(s)</b>	<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>Year, Volume</b>	<b>Page No.</b>
1.	Dr. J. Indira	Nanoparticles and its Green Synthesis using Moringa pterygasperma Lam: A Review,	International Journal of Research in Science	2023, 10(1&2)	8-10
2.	Dr.S. Deepika Priyadharshini	Molecular insights into the antioxidant and anticancer properties: A comprehensive analysis through molecular modeling, docking, and dynamics studies	Journal of Cellular Biochemistry	2024	
3.	Dr.S. Deepika Priyadharshini	In Silico elucidation of the identification of potential phytochemical against ACE- II inhibitors	Journal of Molecular Modeling	2024, 30, 78	
4.	Dr. K.VanithaBharathi	Biosynthesis of Pristine ZnO and Co- doped ZnO nanocomposites using Mentha Piperita leaf extract for photocatalytic and antioxidant applications	European Journal of Biomedical and Pharmaceutical Sciences	2023, 10 (8)	183-190
5.	Dr. K.Vanitha Bharathi	Tribulusterrestrias synthesized Fe <sub>3</sub> O <sub>4</sub> / ZnOnanocomposites for ultra-rapid methyl orange elimination using ultrasonic waves	Biomass Conversion and Biorefinery	2024	
6.	Dr. K.VanithaBharathi	A sustainable green synthesis for photocatalytic and antibacterial activity of zinc oxide nanoparticles using Cucumis maderaspatanus leaf extract	Desalination and Water Treatment	2024, 319	100457

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1.	Dr. J. Indira	Synthesis and Applications of Moringa Oleifera Mediated Zinc Oxide Nanoparticles: A Systematic Review	International Journal for Multidisciplinary research (IJFMR)	2024, 6(4)	1-5
2.	Dr. J. Indira	AC Impedance Analysis of Blend Polymer Electrolyte of PVP-PPA with Magnesium Salts as an Ionic Dopant for Potential Battery Applications	Journal of Physics: Conference Series	2024, 2801	012021
3.	Dr. S. Deepika Priyadharshini	Insight into Binding and Interaction of Docking, Dynamics and Network Pharmacology to Explore the Target on Cancer Inhibitors	Journal of Pharmaceutical Innovation	2024, 19:52,	
4.	Dr. S. Deepika Priyadharshini	Computational exploration of bioactive compounds from Albizia procera: Molecular docking, dynamics, and pharmacokinetics for AchE and BchE inhibition in Alzheimer's disease treatment	The Microbe	2024, 4	100150