

# GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM – 612 001

Affiliated to Bharathidasan University

DST - CURIE Sponsored Institution

IV Cycle of Accreditation



☎ 0435 – 2401391

✉ principal@gcw.ac.in




## DEPARTMENT OF CHEMISTRY

Professional Ethics-PE, Gender-G, Human Values –HV, Environment and Sustainability- E&S

S. No	Name	Title of the Project	Cross Cutting Issue Addressed
<b>2022-2023</b>			
1.	R.Abirami	Recovery of Zinc Oxide (ZnO) Nanoparticles from waste battery And evaluation of its antibacterial activity against gram Positive and gram negative bacteria	E & S
2.	G.Anusuya	Extraction of natural dye from Chrysanthemum indicum and its application as antibacterial dyes for cotton cloth.	E & S
3.	D.Gowsalya	Green synthesis of Zinc Oxide Nanoparticles from Muraya kopenigii and evaluation of its Antibacterial activities.	E & S
4.	M.Manimozhi	Green synthesis of Iron Oxide nanoparticles from green tea extract and evaluation of its antibacterial activity against gram positive and gram negative bacteria.	E & S
5.	S.Meera	Recovery of Copper Oxide (CuO) nanoparticles from waste Depopulated circuit board and evaluation of its antibacterial activity against gram positive and gram negative bacteria.	E & S
6.	R.Nivetha	Green route to Synthesize Zinc Oxide (ZnO) nanoparticles using leaf extracts of Aloe vera (Aloe Barbadenesis Miller) and their antibacterial potential against gram positive and gram negative bacteria.	E & S
7.	N.Saranya	Recovery of Iron Oxide nanoparticles from waste Incense stick and its evaluation on antibacterial activity.	E & S
8.	J.Seyalvizhi	Natural dye extraction from Bougainvillea Glabra Extract applied to cotton cloth and evaluation of antibacterial activity.	E & S
<b>2021-2022</b>			
9.	Arthi.N	A Study Of Soil Analysis On Cultivable Lands And Non-Cultivable Lands	E & S
10.	Gayathri.S	Photocatalytic Degradation Of Methyl Orange Dye By Synthesized Nickel Oxide Nanoparticles.	E & S
11.	Kanimozhi.K	Recovery Of Aluminium Hydroxide Nanoparticles From Used Aluminium Foil And Evaluation Of Its Anti Bacterial Activity.	E & S



  
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S. No	Name	Title of the Project	Cross Cutting Issue Addressed
12.	Mathivathani.T	Optimization Of Cr(IV) Ion Sorption Potential From An Aqueous Solution Onto Prunus Sulcis-Shell Activated Carbon	E & S
13.	Nandhini.S	Green Synthesis Of Copper Oxide Nanoparticles Using <i>Mangifera Indica</i> Leaves Extract And Evaluation Of Its Anti Bacterial Activity On Gram Positive And Gram Negative.	E & S
14.	Ramya.A	Corrosion Inhibition Of Mild Steel In Acid Medium Using <i>Alternanthera Bettzickia</i> Leaves	E & S
15.	Rani.T	Green Synthesis Of Copper Oxide Nanoparticles Using <i>Psidium Guajava</i> Leaf Extract And Evaluation Of Its Anti Bacterial Activity	E & S
16.	Ranjani.D	Photocatalytic Degradation Of Methyl Orange Dye By Synthesized Znc Oxide Nanoparticles	E & S
17.	Sivapriya.M	Photocatalytic Degradation Of Methyl Orange Dye By Synthesized Zirconium Oxide Nanoparticles	E & S
18.	Sowmiya.B	Synthesis,Characterisation Of Copper Oxide Nanoparticles Using <i>Aegle Marmelos</i> Leaves And Evaluation Of Anti-Obesity Activity	E & S
19.	Uma.R	Photo Catalytic Degradation Of Methyl Orange Dye By Synthesized Manganese Oxide Nanoparticles.	E & S
20.	Umal Fagiriya Begum.A	Green Synthesized Of Zinc Oxide Nanoparticles Using <i>Cassia Auriculata</i> Leaves Extract And Evaluation Of Its Anti Bacterial Activity On Gram Positive And Gram Negative	E & S
21.	Vinodhini.S	Corrosion Inhibition Of Mild Steel In Acid Medium Using <i>Couroupita Guianensis</i>	E & S
<b>2020-2021</b>			
22.	M.Aarthi	Recovery Of Manganese Oxide Nanoparticles From Battery And Evaluation Of Its Anti Oxidant And Anti Bacterial Activity	E & S
23.	B.Bharathi	Removal Of Congo Red Dye From Aqueous Solution Using Acid Activated Carbon Prepared From The Aerial Root Of <i>Ficus Benghalensis.L</i>	E & S
24.	R.Devaki	Adsorption Of 2,4-D Sodium Salt Herbicides From Aqueous Solution Onto Coconut Husk Activated Carbon	E & S
25.	K.Jayalakshmi	Recovery Of Aluminum Oxides Nanoparticles From Industrial Waste Juice Cans And Evaluation Of Its Anti Bacterial Activity And Anti Oxidant Activity	E & S



  
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S. No	Name	Title of the Project	Cross Cutting Issue Addressed
26.	M.Kirija	Dye And Waste Treatment Using Photo catalyst Zinc Oxide	E & S
27.	Maheswari.S	Dye Degradation And Waste Water Treatment Using Photocatalyst Copper Oxide	E & S
28.	Nivetha.K	Adsorptive Behaviour Of Divalent Nickel Ion Onto Acid Activated Carbon Prepared From <i>Delonix Regia Pods</i>	E & S
29.	Ramya.E	Adsorption Of 2,4-D Sodium Salt Herbicides From Aqueous Solution Onto Corn Cob Activated Carbon	E & S
30.	Surya.S	Characterization And Anti-Bacterial Activity Of Green Synthesized Co Nanoparticles Using <i>Saccharumofficinarum</i> Extract	E & S
31.	Tamilarasi.K	Batch Adsorption Studies On The Removal Of Cr(Vi) Ion From Aqueous Solution Using Potassium Hydroxide Activated Carbon From The Aerial Root Of <i>Ficus Benghalensis.L</i>	E & S
32.	Tamil Mani.M	Recovery Of Copper Oxide (CuO) Nanoparticles From Waste Sim Card And Evaluation Of Its Anti-Bacterial And Anti-Oxidant Activity	E & S
33.	Vasuki.S	Recovery Of Copper Oxide Nanoparticles Green Synthesis From <i>Ixora Coccinea</i> And Its Anti-Bacterial Activity	E & S
<b>2019-2020</b>			
1.	T.S.Gayathri	Photocatalytic Degradation Of Methyl Orange Dye By Synthesized Iron Oxide Nano Particles	E & S
2.	P.Kavipriya	A Comparative Study On Physico-Chemical Parameters Of Aqua And Corporation Water From Thiruvarur District	E & S
3.	R.Keerthana	Bio Synthesis, Characterization Of Zinc Oxide Nanoparticles Using Leaf Extract Of <i>Aloevera</i> , And Its Evaluation Of Its Anti-Bacterial Activity	E & S
4.	R.Lakshmi	Green Synthesis, Characterization And Anti-Bacterial Activity Of Zr Nanoparticles Against Gram Positive And Gram Negative Bacteria Using <i>Acalypha Indica</i>	E & S
5.	M.Mahalakshmi	Photocatalytic Degradation Of Methyl Orange Dye By Synthesized ZnO Nanoparticles	E & S
6.	S.Meena	Removal Of Cd(II) Ions From Aqueous Solution Using <i>Vitex Negundo</i>	E & S



  
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S. No	Name	Title of the Project	Cross Cutting Issue Addressed
7.	S.Meena	Removal Of Pb(Ii) Ions From Aqueous Solution Using <i>Catharanthus Roseus</i>	E & S
8.	R.Ranjitha	Anti Corrosion And Antioxidant Activities Of <i>Terminalia Chebula</i> Seed	E & S
9.	C.Sabitha	Green Synthesis, Characterization And Anti-Bacterial Activity Of Cu Nanoparticles Against Gram Positive, Gram Negative Bacteria Using <i>Abutilon Indicum</i> Leaf Extract	E & S
10.	C.Sagayaprislin	Physico-Chemical Parameters Of Corporation Water And Aqua Packaged Water From Koradacheri	E & S
<b>2018-2019</b>			
11.	Akilandeswari.B	Photocatalytic Degradation Of Congo Red Dye In Aqueous Solution Under Sunlight Using Synthesized Cao Nanoparticles From Waste Chicken Egg Shells	E & S
12.	Dhivyasri.A	Wastewater Treatment Using Photocatalyst Cobalt Oxide	E & S
13.	Jayapriya.J	Removal Of Cu(Ii) Ions From Aqueous Solution Using <i>Acalypha Indica</i>	E & S
14.	Mahalakshmi.R	Extraction Of Silver From Waste X -Ray Films Using Cocoa Husk Ash Solution	E & S
15.	Nithya.G	Waste Water Treatment Using Photocatalyst Cobalt Ferriate Oxide	E & S
16.	Nivetha.M	Extraction Of Silver From Waste X-Ray Flims Using Coconut Shell Aqueous Extract	E & S
17.	Pavithra.R	Extraction Of Silver From Waste X-Ray Flims Using Unripe Plantain Peel Ash Solution	E & S



  
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