

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM – 612 001

Affiliated to Bharathidasan University

DST - CURIE Sponsored Institution

IV Cycle of Accreditation



☎ 0435 – 2401391

✉ principal@gcwk.ac.in



DEPARTMENT OF PHYSICS

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

2022-2023

S. No	Name	Title of the Project	Cross Cutting Issue Addressed
1.	Aarthi. M	Biological Synthesis Of Zinc Oxide Nanoparticles From Terminalia Arjuna Leaves Extract And Photocatalytic Activities	E & S
2.	Akshaya. N	Green Synthesis And Characterization Of ZnO Nanoparticles Using The Extract Of Cymbopogon Citrates	E & S
3.	Aswini. V	Single Xrd Diffraction And Photoluminescence Analysis Of DL - Serine Oxalic Acid Crystal	PE
4.	Ayeesha Banu.T	Green Synthesis And Characterization Of CdO Nanoparticles	E & S
5.	Deepana. M	Characteristics Of Water And Estimation Of Water Quality Index	E & S
6.	Hasrin. T	Uv - Visible And Powder X-Ray Diffraction Analysis Of L - Serine Succinic Acid Crystal	PE
7.	Krishnaveni. M	Uv - Visible And Powder X-Ray Diffraction Analysis Of D L - Serine Succinic Acid Crystal	PE
8.	Papathi. P	Synthesis And Characterization Of Zn nanoparticles Using Aerva Lenata Leaf Extract Their Photocatalytic Activity	E & S
9.	Priyadharshini. S	Physico - Chemical Parameters Of Water In And Around Aduthurai And Assessment Of Water Quality Index	E & S
10.	Priyadharshini. S	Green Synthesis Characterization And Photocatalytic Application Of Zn nanoparticles Synthesized By Cynodon Dactylon Leaves Extract	E & S
11.	Radha. R	Green Synthesis Of Zn nanoparticles Using Pongamia Pinnaata Leaf Extracts With Degradation Of Phodamine B Dye	E & S
12.	Rajalakshmi. A	Green Synthesis And Characterization Of TiO ₂ Nanoparticles	E & S
13.	Sheeladevi.R	Single Xrd Diffraction And Photoluminescence Analysis Of L - Serine Succinic Acid Crystal	PE
14.	Shymaladevi. K	Green Synthesis And Characterization Of CdO Nanoparticles	E & S
15.	Subhashini. M	Synthesis, Growth And Characterization Of L - Serine And Succinic Nlo Crystals	PE
16.	Suvedha. B	Green Synthesis, Growth And Characterization Of TiO ₂ Nanoparticles.	E & S
17.	Vinitha. V	Ftir And Ft -Raman Analysis Of DL - Serine Oxalic Acid Crystal	PE

2021-2022

S. No	Name	Title of the Project	Cross Cutting Issue Addressed
18.	GEETHANSALLI G	Synthesis and Characterization of Fe-Doped ZnO Nanoparticles using canna indica leaf extract.	E & S




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19.	INDHUMATHI K	Growth, Optical And Structural Characterization Of L-Alaninium Maleate Optical Crystal	PE
20.	LATHAPRIYA S	Growth, Optical And Structural Characterization Of L-Arginine Maleate Crystal.	PE
21.	MAHALAKSHMI T	Growth And Characterisation Of Pure Malic Acid Crystals	PE
22.	SARANYA P	Synthesis And Characterization Of Fe Doped Zno Nanoparticles Using. Cymbopogan Leaf Extract	E & S
23.	SNEGAPRIYA V	Growth And Characterisation Of Pure L-Lysine Monohydrochloride Crystals	PE
24.	SURYAA R	Probing Nonlinear Dynamical Systems Using Python	E & S
25.	VARSHA T	Growth And Characterization Of Alananium Maleate Crystal	PE
26.	YUVARANI S	Noise Pollution Status Around	E & S

2020-2021

S. No	Name	Title of the Project	Cross Cutting Issue Addressed
27.	P.AKILA	Growth And Characterization Of Boric Acid With Magnesium Bromide Crystal.	PE
28.	K.ARUNA	Growth And Characterization Of Boric Acid Mixed Magnesium Bromide Crystal.	PE
29.	M.CHITHIRAISEL VI	Green Synthesis Of Fe-Doped Zno Nanoparticles Using Cynodon Dactylon Leaves Extract.	E & S
30.	M.DIVYA	Characteristics Of Water And Estimation Of Water Quality Index .	E & S
31.	M.DURGADEVI	Growth And Characterization Of Thio Urea Zinc Sulphate Optical Crystal .	PE
32.	M.KARTHIKA	Biological Synthesis Of Fe- Doped Zno Nanoparticles From Terminalia Arjuna Leaves Extract .	E & S
33.	A.PREETHI	Growth And Characterization Of Zinc Acetate Glycine Crystal	PE
34.	R.RAMYA	Optical And Ftir Studies On The Growth l-Threonine Crystals Mixed With Magnesium Bromide	PE
35.	T.SUMAIYA	Physico-Chemical Analysis Of Water Using Water Quality Index	E & S
36.	S.SWATHI	Growth And Characterization Of Thio-Urea Mixed Potassium Sulphate Crystals	PE




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2019-2020

S. No	Name	Title of the Project	Cross Cutting Issue Addressed
37.	AARTHI A	Growth, Vibrational, Optical, x-Ray Diffraction Studies Of l-Arginine Maleate Crystals	PE
38.	AKSHAYA T	Green Synthesis Of Zno And Cu-Doped Zno Nanoparticles From Leafs Extracts Of Canna Indica	E & S
39.	ANITHA N	Green Synthesis Of Zno Nanoparticles Using Cynodon Dactylon Leaves Extract	E & S
40.	ANJUKA M	Growth And Characterization Of Glycine Succinic Acid Crystal	PE
41.	ARUNA C	Biosynthesis Of Copper Nanoparticles Using Andrographis Paiculata (Green Chiretta) And Their Larvicidal Activity Against Anopheles Stephensi	E & S
42.	DHARANI R	Characteristics Of Water And Estimation Of Water Quality Index	E & S
43.	GOWSALYA S	Growth And Characterization Of l-Valine Maleic Acid Crystal	PE
44.	HEMANANDINI K	Physico-Chemical Characteristics Of Soil And Estimation Of Soil Quality Index	E & S
45.	JANANI H	Biological Synthesis Of Zinc Oxide Nanoparticles From Terminalia Arjuna Leaves Extract	E & S
46.	MATHIVATHANI B	Synthesis, Characterization Of Zno Nanoparticles Prepared By Biological Method Using Aerva Lanata	E & S
47.	PONNI A	Recent Advances And Emerging Opportunities In Pongamia Pinnata Green Synthesis Of Zno Nanoparticles	E & S
48.	ROJA M	Growth And Characterization Of l-Arginine Adipate Crystals	PE
49.	SINDHU P	Vibrational, Optical And x-Ray Diffraction Studies Of Adipic Acid Crystal	PE
50.	VANMATHI V	Green Synthesis And Characterization Of Zno Nanoparticles Using Cymbopogon Citrates	E & S
51.	VINODHA K	Larvicidal Activity Of Copper Nano Particles Synthesized Using Syzygium Aromaticum Extract Against Anopheles Stephensi	E & S

2018-2019

S. No	Name	Title of the Project	Cross Cutting Issue Addressed
52.	K.ANANTHI	Synthesis Of Waste Egg Shell Into Valued Nano Tricalcium Phosphate For Biomedical Applications	E & S




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53.	R.ARULMOZHI	Biological Synthesis Of Zinc Oxide Nanoparticles From Terminalia Arjuna Leaves Extract	E & S
54.	DURGASRI.T	“Surfactant Assisted Biomaterials Form Biowaste Materials	E & S
55.	K.ESWARI	“Ftir,Xrd And Sem Analysis Of Manihot Esculenta Cassava Peel Ash	E & S
56.	K. Jayabharathi	Facile Biosynthesis Of Antibacterial Copper Nanoparticles Using Leaf Extracts Of Melia Azedarach	E & S
57.	K. KANMANI	Single Step Calcined Tricalcium Phosphate From Egg Shell Waste	E & S
58.	R. MARAGATHAVALLI	Investigation On Growth, Structural And Optical Properties Of L-Alanine Mixed Sodium Nitrate Crystals	Professional Ethics
59.	D.MUTHULAKSHMI	Investigation On Growth,Structural And Optical Properties Of Bis L-Alanine Admixed Pottassium Bifluride Single Crystal.	Professional Ethics
60.	K.NAVEENA	Comparative Study Of Brick Making Clay And Red Mud-Aspectroscopic Approach	E & S
61.	K. Padmavathi	Phyla Nodiflora Leaf Extract Mediated Novel Route For The Synthesis Of a Silver Nanoparticles.	E & S
62.	S.RAJESWARI	Synthesis And Characterization Of Zinc Doped Nanotricalcium Phosphate (Tcp) From Waste Egg Shells	E & S
63.	P. Ramya	Green Synthesis Of Silver Nanoparticles From Aqueous Acalypha Fruticose Leaf Extract.	E & S
64.	S.SAVITHA	Growth And Characterization Of L Valine Maleic Acid Crystals	PE




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65.	R. SHANMUGAPRIYA	Investigation On Growth, Structural And Optical Properties Of L-Arginine Mixed Pottassium Sulphate Crystals	PE
66.	K. Sumithra	Biosynthesis And Characterization Of Plant Mediated Silver Nanoparticles Using Thespesia Populnea.	E & S
67.	R.Yamini	Ftir,Xrd And Sem Analysis Of Corn Cob Ash	E & S




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