



SCOTT CHRISTIAN COLLEGE (Autonomous), Nagercoil.

Department of Chemistry and Research Centre

Name : Dr.A.JEENA PEARL
Designation :Assistant Professor
Department : Chemistry
Qualification :B.Sc, B.Ed,M.Sc,M.Phil, Ph.D
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Ongoing Research Scholars :

S.No	Name	Title	Reg No	Full time / Part time
1.	S.U.Subhashini	Studies on Novel Polymers -Metal Oxides Nano Composites	21213162032022	Full time
2.	A.Arsha	Synthesis and Characterization of Polymer Metal Oxide Nano Composites	21213162032026	Full time
3.	L.R.Lalin Mary	Green and Chemical Synthesis of Metal oxide nanoparticles and their application for	22213162032011	Full time



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		Environmental Remediation		
4.	Jafilda Poulose P	Synthesis and Characterisation of Medicinal plant extract loaded PVA/PV blend films and their applications	22213162032010	Full time

Completed M.Phil Scholars: 6

List of Publications

1.Characterisation and distribution of elements in the sediments of manakudy estuary south west coast of India.

An Asian journal of soil science,2010,vol5,no 1,p:192-196

2.Metal concentration in manakudy estuarine sediments south west coast of India.

International Journal of Biological Technology,2010,1(1)47-51

3.Phytochemical studies in the leaves of Ecbolium Linneanum the medicinal plant.

International journal of Research in Engineering And Bioscience,2013,vol 1,special issue p- 110

4. Synthesis ,Characterisation and biological studies on some metal complexes incorporating imidazole-2-carboxaldehyde 4-amino antipyrine and 2-amino phenol.

International journal of Advances in pharmacy,biology and chemistry,2014,vol3(2)



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5.Synthesis characterization antimicrobial and DNA Cleavage Studies on Some metal Complexes incorporating 4-Chlorobenzaldehyde, 4-aminoantipyrine and 2-aminophenol
.International journal of pharmaceutical chemistry Research,2014,vol.3,issue 1.

6.Estimation of oxalate ions in sapota ,Tomato and guava in different Stages of ripening .

International journal of Research in engineering and science ,2015,vol 3,issue 5,p-75-80.

7.Distribution of carbon phosphorus and nitrogen in the sediments of Manakudy Estuary.

GIAP Journal ,2016,vol2,no2,p-91-94.

8.Trace metal Concentration in manakudy Estuarine sediments south west coast of India .

Indian journal of Biological technology.

2011,2special issue.

9. Radiation of polonium in vegetables.

Indian journal of Biological technology.2012,special issue.

10.Synthesis characterization antimicrobial and DNA cleavage studies on some metal complexes incorporating 4-chloro benzaldehyde and 4-amino anti pyrine.

Journal of chemical and pharmaceutical Research,2013,5(1),p115-122.

11.Synthesis characterization ctto toxicity DNA cleavage and antimicrobial activities of homodinuclear lanthanide complexes of phenyl thio acetic acid.



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Journal of Rare Earths,2013,vol3 issue 10,p-1009-1016.

12.Spectral and biological studies in Thoothuvalai Leaf Extract

Journal of Emerging Technologies and Innovative Research.Volume 7,Issue 9,September 2020

13.Spectral and Biological Studies in Adathoda Leaf Extract

Journal of Emerging Technologies and Innovative Research.Volume 8,Issue3,March 2021

Project Details

1. Nil

Seminar/Conference Organised

S.No	Title	Seminar/ Conference	State level/ National/ International	
1.	ENTREPRENEURSHIP TRAINING ON PREPARATION OF SIMPLE CHEMICAL PRODUCTS ON 06-09- 2019	Entrepreneurship Training	State level	
2.	ONLINE INTERNATIONAL CONFERENCE ON INNOVATION RESEARCH IN CHEMICAL SCIENCES	Conference	Inter national	



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	I:POLYMERS IN ELECTRONICS ON 10-12-2021			
3.	COMMUNITY DEVELOPMENT PROGRAMME ON PREPARATION OF SIMPLE CHEMICAL PRODUCTS ON 15-06-2023	Entrepreneurship Training	State level	
4.	ENTREPRENEURSHIP TRAINING PROGRAMME ON PREPARATION OF SIMPLE CHEMICAL PRODUCTS ON 15-02-2024	Entrepreneurship Training	State level	

Served as Doctoral Committee Member:

- 1. R.Mushkhan ,Reg No: 21213162032017 (2022)**
- 2. Oschin M Manchu ,Reg N: 22213282032005**

Served as Resource Person:

- 1.**
- 2.**
- 3.**



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PAPER PRESENTED IN SEMINARS

1 .NATIONAL SEMINAR ON CONSERVATION AND MANAGEMENT OF WETLANDS IN AN ERA OF CLIMATE CHANGE AT NMCC MARTHANDAM (1ST AND 2ND MARCH ,2010)

TOPIC –Water pollution in Rapti River of Eastern Uttarpradesh ,India

2. NATIONAL CONFERENCE ON BIOTECHNOLOGY FOR SUSTAINABLE DEVELOPMENT AT GORAKHPUR UTTAR PRADESH (15TH AND 16TH NOVEMBER ,2011)

TOPIC- Effect of Acid hydrolyzation of fruit juices of Apple ,Orange and Tomato on solubility of kidney stone

3. NATIONAL CONFERENCE ON CLIMATE CHANGE ,BIODIVERSITY AND CONSERVATION AT GORAKHPUR ,UTTARPRADESH (15TH AND 16TH FEBRUARY ,2012)

TOPIC- Radiation of Pollonium in Vegetables

4 .NATIONAL CONFERENCE ON DRUG DISCOVERY ,THREATENED MEDICINAL PLANTS AND STRATEGIES FOR SUSTAINABLE USE AT GORAKHPUR ,UTTARPRADESH (25TH AND 26TH SEPTEMBER ,2013)

TOPIC-Phytochemical Studies In the Leaves Of Ecbolium Linneanum –The Medicinal Plant

5 .NATIONAL SEMINAR ON RECENT TRENDS IN NANOSCIENCE AND TECHNOLOGY AT SCC NAGERCOIL (31ST JANUARY ,2013)

TOPIC-Concentration of Major elements in Manakudy Estuarine Sediment



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6. NATIONAL CONFERENCE ON INNOVATIONS IN CHEMICAL SCIENCES AND TECHNOLOGY AT SCC NAGERCOIL (21ST AUGUST ,2015)

TOPIC-Distribution of Organic Carbon, Phosphorus and Nitrogen in the sediments of Manakudy Estuary

7. NATIONAL CONFERENCE ON RECENT TRENDS IN CHEMISTRY -2016 AT SCC NAGERCOIL(19TH AUGUST,2016)

TOPIC-Biological Studies On Clove Leaf Extract Against Food born Pathogens

8. THIRD INTERNATIONAL CONFERENCE OF KAAS AT NMCC MARTHANDAM (28TH AND 29TH SEPTEMBER ,2018)

TOPIC- Biosynthesis and Characterization of Iron oxide Nanoparticles using Coriandrum sativam leaf Extract

9. INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH IN CHEMICAL SCIENCE AT SCC NAGERCOIL (16TH DECEMBER,2019)

TOPIC-Spectral and Biological Studies of Mint Leaves

10. NATIONAL SEMINAR ON MODERN TRENDS IN CHEMICAL SCIENCES AT SCC NAGERCOIL (19TH MARCH,2019)

TOPIC- Biosynthesis and Characterization of Iron oxide Nano particles using Coriandrum Sativam Seed Extract

11. INTERNATIONAL SEMINAR ON SUPRA AND NANO CHEMISTRY OF BIOACTIVE MOLECULES AT CHRISTIAN COLLEGE ,KATTAKADA ,TVM.(19TH AND 20TH AUGUST 2019)



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TOPIC- Synthesis and Morphological Studies on Silver Nano particle from Strawberry Extract

12. NATIONAL SEMINAR ON GROUP THEORY AND ITS APPLICATIONS IN CHEMISTRY AT NMCC MARTHANDAM (1ST AND 2ND AUGUST ,2019)

TOPIC- Synthesis Of Silver Nanoparticles from *Fragaria x ananassa*

13. ONLINE INTERNATIONAL CONFERENCE ON INNOVATION RESEARCH IN CHEMICAL SCIENCES : POLYMERS IN ELECTRONICS 10TH DECEMBER ,2021)

TOPIC - Spectral and Biological Studies in *Adathoda* Leaf Extract

14. INTERNATIONAL CONFERENCE INNOVATIVE STRATEGIES IN ASTRO AND SYNTHETIC ORGANIC CHEMISTRY(ICISASOC-2023), AT HOLY CROSS COLLEGE (Autonomous), NAGERCOIL ,27TH FEBRUARY,2023.

TOPIC- Biosynthesis of Zinc oxide Nanoparticle and its Biological activity

15. NATIONAL CONFERENCE ON INNOVATIVE RESEARCH IN MEDICINAL CHEMISTRY, AT MUSLIM ARTS COLLEGE ,THIRUVIDHANCODE,10TH FEBRUARY 2023.

TOPIC- Spectral and Biological Studies of Mint leaves

16. NATIONAL CONFERENCE ON BIOMATERIALS,AT SCC NAGERCOIL 21ST APRIL,2023

TOPIC- Biosynthesis and applications of Iron oxide Nanoparticle

17. NATIONAL CONFERENCE ON BIOMATERIALS,AT SCC NAGERCOIL 21ST APRIL,2023

TOPIC- Biological studies on *Citrus aurantifolia* Leaf extract



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18. NATIONAL CONFERENCE ON ANTIMICROBIAL RESISTANCE IN THE ENVIRONMENT A SILENT PANDEMIC ,AT SCC NAGERCOIL 10TH APRIL,2023

TOPIC-Synthesis of Zinc oxide Nanoparticle using Citrus Aurantifolia Leaf Extract

19. INTERNATIONAL CONFERENCE ON BIOMATERIALS, BIODEGRADABLES AND BIOMIMETICS ,AT SCC NAGERCOL 23RD JANUARY,2024

TOPIC - Synthesis and Characterization of PANI/ZNO Nanocomposites

Seminar/Conference Attended - 80

Additional Responsibilities

1. ATTENDED UGC – HRDC **ORIENTATION PROGRAMME** From 20-06-2018 To 17-07-2018 at UNIVERSITY OF KERALA ,KARIAVATTOM,TRIVANDRUM
2. ATTENDED UGC- HRDC **REFRESHER COURSE IN CHEMISTRY** From 08-02-2021 To 20-02-2021 at UNIVERSITY OF HYDERABAD ,HYDERABAD (ONLINE)
3. ATTENDED UGC- HRDC **REFRESHER COURSE IN MATERIALS SCIENCE CHEMISTRY** From 29-07-2022 To 11-08-2022 at UNIVERSITY OF KERALA,KARIAVATTOM,TRIVANDRUM (ONLINE)
4. ATTENDED UGC- HRDC **REFRESHER COURSE IN ENVIRONMENTAL SCIENCES** From 05-01-2024 To 18-01-2024 at UNIVERSITY OF KERALA,KARIAVATTOM,TRIVANDRUM
5. ATTENDED ONE WEEK NATIONAL LEVEL **SHORT TERM COURSE** ON ICT TOOLS FOR INTERACTIVE TEACHING AND BLENDED LEARNING From 12-07-2021 To 19-07-2021
6. ATTENDED **ENTREPRENEURSHIP AWARENESS CAMP** SPONSORED BY MINISTRY OF SCIENCE AND TECHNOLOGY ,NSTEDB,GOVERNMENT OF INDIA ,NEWDELHI From 24-01-2018 To 27-01-2018 AT SCC NAGERCOIL



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7. ATTENDED **TWO DAYS ONLINE COURSE** ON ELEMENTAL ARTS: EVOLUTION OF MODERN PERIODIC TABLE (1ST AND 2ND MAY .2020)

8. CONDUCTED ONLINE DRAWING COMPETITION ON 27-06-2021

9. CONDUCTED ONLINE ELOCUTION COMPETITION ON 20-07-2021

10. CONDUCTED DR.P.BANERJEE ENDOWMENT NINTH INTER-SCHOOL QUIZ COMPETITION ON 18-08-2023