



## SCOTT CHRISTIAN COLLEGE (Autonomous), Nagercoil.

### Department of Chemistry and Research Centre

Name : **Dr.R.D.Femitha**  
Gender : Female  
Designation : Assistant Professor  
Department : Chemistry  
Date of Birth : 24-06-1979  
Date of Appointment : 04-08-2015  
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Qualification : M.Sc, M.Phil, B.Ed, Ph.D  
Approved Guide(University Name) : Nil  
Served as Resource Person : Nil  
Guided M.Phil : 4  
Seminar attended : 40  
List of Publications : 5



S.No	Title of article	Journal Name	National/International	ISSN No.	Year of publication	Volume/Issue /Page No.
1	Role of bittern as fertilizer to magnesium demanding crops like tomato and green chillies	Acta Ciencia Indica	International	0253 - 733 X	2010	XXXVIC, No.2,115
2	Physico-chemical parameters of the various	Journal of Chemical and Pharmaceutical Research	International	0975 - 7384	2012	4(9):4167-4173



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	stages in different salt-pans of Tuticorin district					
3	Studies on the fertilizer value of bittern from salt pans as solid fertilizer	Asian Journal of Research in Chemistry	International	0974 - 4169	2013	6(12)1099-1102
4	Antigenotoxic effect of lupeol isolated from sesbania grandiflora leaves using cancer induced mouse model	Indian Journal of Research Foundation	National	2454 - 6577	2015	2,29-32
5	Preparation of magnesium hydroxide nanoparticles from bittern	Green Chemistry & Technology Letters	National	2455-3611	2016	Vol.2,No.2,Pg.87-90

Project Details : 1

Name of the funding agency	Amount sanctioned	Under which plan
UGC	330000	Minor Research Projects

- Attended UGC - HRDC Orientation Programme from 31-08-2017 to 27-09-2017 in Madurai Kamaraj University.
- Attended UGC - HRDC Refresher Course on Chemistry from 08-02-2021 to 20-02-2021 in University of Hyderabad.



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- Attended UGC - HRDC Refresher Course on Material Science from 29-07-2022 to 11-08-2022 in University of Kerala.

#### **Paper Presentation in Seminars**

- UGC sponsored National Conference on 'Emerging trends in Chemistry for Medical applications' at Nesamony Memorial Christian College, Marthandam on March 18-19, 2010.

Topic - Investigation of Medicinal plants in Kanyakumari district

- 1<sup>st</sup> National Conference on 'Innovations in Chemical Sciences & Technology' at Scott Christian College (Autonomous), Nagercoil on August 21, 2015.

Topic - Preparation of Magnesium hydroxide nanoparticles from bittern.

- National Conference on 'Recent Trends in Chemistry' at Scott Christian College (Autonomous), Nagercoil on August 19, 2016.

Topic - Estimation of Ascorbic acid from various fruits.

- 'Third International Conference of KAAS' at Nesamony Memorial Christian College, Marthandam on September 28-29, 2018.

Topic - Phytochemical Analysis and Antimicrobial activity of *Indigofera aspalathoides*

- National Seminar on 'Group theory and its applications in Chemistry' at Nesamony Memorial Christian College, Marthandam on August 1-2, 2019.

Topic - Comparative study of biosynthesis of iron oxide nanoparticles from pomegranate peel and seed powder.

- International Seminar on 'Supra and Nanochemistry of bio active molecules' at Christian College, Kattakada on August 19-20, 2019.

Topic - Comparative study of green synthesis and antibacterial activity of Copper oxide nanoparticles from *Punica granatum*

- International Conference on 'Innovative Research in Chemical Science' at Nesamony Memorial Christian College, Marthandam on December 16, 2019.

Topic - Phytochemical Analysis and Antibacterial of *Selaginella bryopteris*

- National Conference on 'Innovative Research in Medicinal Chemistry' at Muslim Arts



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College on 10<sup>th</sup> February 2023.

Topic - Phytochemical analysis and antibacterial activity of *Euphorbia hirta*

- National Conference on ‘Antimicrobial Resistance in the Environment: A silent pandemic’ at Scott Christian College (Autonomous), Nagercoil on April 10, 2023.

Topic – Phytochemical, Antibacterial and Spectral studies of *Coleus amboinicus*

- International Conference on ‘Biomaterials, Biodegradables and Biomimetics’ at Scott Christian College (Autonomous), Nagercoil on January 23, 2024

Topic – Antimicrobial, Antioxidant and Phytochemical Evaluation of *Indigofera aspalathoides*.