

PROFILE

Name : **MRS.F. SHERIN REBECCA**
Designation: Assistant Professor
Department: Zoology
Date of Birth: 26.03.1987



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ACADEMIC QUALIFICATION

COURSE	SUBJECT	INSTITUTION	UNIVERSITY	YEAR OF PASSING	% OF MARKS
MPhil	Biotechnology	St. Josephs College, Trichy	Bharathidasan University, Trichy	2009	86
SLET	Life Sciences	-	Mother Teresa Womens University, Kodaikanal	2018	-
M.Sc	Biotechnology	Holy cross college, Trichy	Bharathidasan University, Trichy	2011	78
B.Sc	Biotechnology	Lady Doak College, Madurai	Madurai Kamaraj University	2006	79

AREA OF SPECIALIZATION/INTEREST : Cancer Biology

RESEARCH PAPER PUBLICATIONS:

- **Phytochemical and Antimicrobial Screening of *Mollugo Cerviana*(L). Ser. in Methanolic Extract** International Journal of Pharmaceutical Research and Applications Volume 6, Issue 4 July-Aug 2021, pp: 548-553
www.ijprajournal.com ISSN: 2249-7781
- **Molecular docking analysis of bioactive compounds from *Mollugo cerviana* (L.) SER with DHFR for antifungal activity,** BIOINFORMATION, Nov 30 2021, Vol 17(11) PP :944-948, ISSN 0973-2063
- **Antimicrobial evaluation and molecular docking studies of the combined ethanolic extract of *Mollugo Cerviana* and *Mukia Maderspatana*** BIOINFORMATION, 2023, Vol 19 (2) PP :190 -195
ISSN 0973-2063
- **Isolation and Characterization of Dye Decolorizing Bacteria from The Textile Dye Effluents,** JOURNAL OF ADVANCED ZOOLOGY Volume 44 Issue 04 Year 2023 Page 1069:1075, ISSN: 0253-7214
- **Assessment of Anticancer activity of *Mollugo cerviana* on Hepatocellular carcinoma by *invitro* and *insilico* analysis”** in JAC Journal of Science, Humanities and Management, Vol 11, No 1, ISSN: 2347-9868, Page No – 63-73.

PAPER PRESENTATIONS:

- Presented a paper on “**Evaluation of anticancer activity of ethanolic extract of *Mollugo cerviana* (L) on Hep G2 Hepatocellular carcinoma cell lines**” in International Virtual Conference on Biological Innovations & Computational Exploration for Pandemic Challenges (BICPAC’22) organized by the Department of Biotechnology & Bioinformatics, Bishop Heber College (Autonomous), Tiruchirappalli on 24th & 25th February, 2022. ISBN – 9789356206199

BOOKS PUBLISHED

- **PRINCIPLES OF GENETIC ENGINEERING – Alpha International**

Publications ISBN: 978-93-5762-001-7

- **INTRODUCTION TO BIOINFORMATICS** - Alpha International Publications ISBN: 978-93-5762-236-3

PATENTS PUBLISHED:

- “A METHOD OF PREPARATION OF AN EDIBLE PRODUCT MUSHROOM MARSHMELLOW” Patent Number: 202241099161A: Ordinary patent of Journal No. 28/2022 on 15th July, 2022.
- “A KIND OF MUSHROOM FORTIFIED CAKE PREPARATION METHOD THEREOF” Patent Number: 202241003519A: Ordinary patent of Journal No. 05/2022 on 4th February, 2022.

FACULTY INDUCTION PROGRAMME:

- Participated in the UGC Sponsored Faculty Induction Programme conducted by UGC Malavya Mission Teacher Training Centre, Madurai Kamaraj University from 15.11.2023 – 14.12.2023.

FACULTY DEVELOPMENT PROGRAMME:

- Participated in the national online faculty development programme on ‘Advances in Structural and Computational Biology’ organised by the Department of Life Sciences, Kristu Jayanti College (Autonomous), Bengaluru under the aegis of the DBT star college scheme on 3rd September 2021.
- Participated in the Faculty Development Programme on “Applications of ICT Tools in Education” organized by the IQAC of Dr. Umayal Ramanathan College for Women on 25th September 2021.
- Attended five-day training in the National Level Faculty Development Program on “Life Science Teaching Towards Product Development: A Transdisciplinary Perspective” organized by PG & Research Department of Biotechnology & Bioinformatics, Holy cross College held from 11th to 15th

October 2021.

- Participated in the Faculty Development Program (Online) on “The Nuances of Scientific Writing and Publishing” organized by All India Association for Christian Higher Education, New Delhi & Madras Christian College (Autonomous), Chennai from 11th to 19th July, 2022.
- Participated in an International faculty development Programme on “Soft skills for capacity Building” conducted by JASS Academy, St. Joseph’s College, Tiruchirappalli from 25th September to 29th September
- Participated in an Online Faculty development Programme on “Computer Aided Drug Design and Systems Biology” organized by PG and Research Department of Biotechnology and Bioinformatics, Holy Cross College Trichy from 18th Dec – 22nd Dec.
- Participated in the one-week National level Faculty Development Programme on “Curriculum, Research and Innovation for Academic excellence” organized by PG and Research Department of Botany, Jamal Mohammed College, Trichy from 1st February to 7th February
- Participated in the four-days online session on “Best Practices and Institutional Distinctiveness” “organized by AIACHE and St. Josephs College, Trichy, from 4th to 7th March 2024.
- Participated in the ten-day online Faculty Development Programme on “The Art of Research and Publishing in Indexed Journals” organized by Madras Christian College, Chennai from 13th May to 22nd May 2024.

SHORT TERM COURSES:

- Completed the NEP 2020 Orientation & Sensitization Programme under the Malaviya Mission Teacher Training Programme (MM-TTP) of UGC Organized by Malaviya Mission Teacher Training Centre, Madurai Kamaraj University, Madurai, from 18th June to 26th June 2024.

REVIEWER IN JOURNALS

- Received the certificate of Excellence in reviewing from Annual Research & Review in Biology (24 Nov 2023).(Indexing: Ebsco, Proquest, Index Copernicus, Google Scholar, NAAS - 4.79 (2020))

SEMINARS and WEBINARS ATTENDED:

- Participated in the International webinar on “Recent Developments in genetics/genomic medicine” organized by PG and Research Department of Botany, Pachaiyappa’s College, Chennai on 7th August 2021.
- Participated in the International webinar on “SUSTAINABLE LIVING –THE WAY FORWARD FOR EARTH’S SAKE” organized by the Department of Advanced Zoology, Women’s Christian College, Chennai on 25th August 2021.
- Participated in the International webinar on “Recent trends in Lifesciences” organized by the PG and Research Centre of Zoology, JayarajAnnapackiam College for Women, Periyakulam on 1st September 2021
- Attended eight-day sessions on “International training on ethical paraphrasing and Identification of Q1, Q2, Q3, Q4 Scopus Journals organized by World Association of Developmental Studies, Eudoxia Research Centre from 3rd to 11th September 2021.
- Attended an one day Hands – on Training on ‘Mushroom Fortified Bakery Products Preparation’ organized by PG and Research Centre of Zoology, Start up Programme – Mushroom Culture and Institutional Innovation Council (IIC), Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 15th December, 2021.
- Attended an International seminar on “Advancements in Life Sciences and its Industrial Applications” organized by the PG & Research Department of Biotechnology and Bioinformatics, Holy Cross College (Autonomous), Trichy in Collaboration with BIORKS held on 18th December, 2021.
- Participated in the National Virtual Training on “DNA Barcoding” organized by the Department of Zoology & Research Centre, Lady Doak College, Madurai on 11th and 12th January, 2022.
- Participated in the webinar entitled “Awareness on Intellectual Property Rights” organized by PG and Research Centre of Zoology, Start Up Programmes and Institution’s Innovation Council (IIC), Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 05th May, 2022.
- Participated in the webinar on "Stem Cell Biology" organized by PG Department of Zoology, Fatima College (Autonomous), Madurai on 09th May, 2022.
- Participated in the international seminar on “Emerging Trends and Practices in Environmental Conservation” organized by Raj Rishi Govt. Autonomous College, Alwar, Rajasthan, India on 05th and 06th June, 2022.
- Participated in the International Nutritional Webinar 2k22 organized by the Department

of Biochemistry & IQAC, St. Joseph's College for Women (A), Gnanapuram, Visakhapatnam from 1st to 5th September, 2022.

- Participated in IP Awareness/Training Program under National Intellectual Property Awareness Mission organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam in collaboration with St. Joseph's College for Women, Alappuzha, Kerala and Inter University Centre for IPR Studies, CUSAT, Kochi, Kerala on 20th September, 2022.
- Participated in IP Awareness/Training Program under National Intellectual Property Awareness Mission on December 16th 2022.
- Participated in the three-day workshop on “Organic Farming and Bio Dynamic Composting” from 19th to 21st December, 2022 organized by PG and Research Centre of Zoology in collaboration with Eco club, Waste water management and Green Campus, Institution Innovation Council (IIC), Jayaraj Annapackiam College for Women (Autonomous), Periyakulam and Naandhi Foundation, Mahindra Institution, Guindy, Chennai.
 - Participated in National Level online workshop on “Chat GPT for Academics” organized by Department of Computer Science, St. Joseph's College, Tiruchirappalli on 21st June, 2023.
 - Attended a four days online session on “Best Practices and Institutional Distinctiveness” organized by AIACHEE in association with St Joseph's College, Trichy from 4th to 7th March 2024.

OUTREACH PROGRAMMES ATTENDED:

- Participated in the Synchronized Bird Census -2024 (Phase I – Wetland Birds) conducted by Srivilliputhur Megamalai Tiger Reserve, Megamalai Division, Theni organized by Tamil Nadu Forest Department on 27th and 28th January 2024.
- Participated in the Great Backyard Bird Count (GBBC – 2024) organized by E Bird, India on 16th February 2024.

RESOURCE PERSONS

- Held a Practical session on ‘Mushroom Fortified Bakery Products Preparation’ organized by PG and Research Centre of Zoology, Start Up Programme – Mushroom Culture and Institutional Innovation Council (IIC), Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 15th December, 2021.
- Served as a Resource Person in “Mushroom Cultivation and Training” Programme

organized by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam in collaboration with Tamil Nadu State Council for Science and Technology(TNSCST), on 12th August, 2022.

- Contributed as a resource person in the “Inservice Training to Science Teachers” catalyzed and supported by “Tamil Nadu State Council for Science and Technology” Chennai.
- Served as a subject expert in the Board of studies meeting in the Department of Biotechnology and Bioinformatics held at Holy Cross College, Trichy on 30th October 2023.