

**T. ROHINI**

**Madurai**



**Mobile No: 9994249869**

**rohiniblessy@gmail.com**

## OBJECTIVE

To obtain a position that will enable me to use my strong organizational skills, educational background, and ability to work well with people.

## Doctoral Research- Ph.D ( Microbiology)

University : Madurai Kamaraj University, Madurai, India.

## ACADEMIC QUALIFICATIONS

Year : 2022.

### Master of Philosophy: Microbiology

College : Lady Doak College, Madurai.

Aggregate : 86.2%

University : Madurai Kamaraj University, Madurai, India.

Year : 2013.

### Master of Science : Microbiology

College : Lady Doak College, Madurai.

Aggregate : 73%

University : Madurai Kamaraj University, Madurai, India.

Year : 2012.

### Bachelor of Science : Microbiology

College : Ayya Nadar Janaki Ammal College, Sivakasi.

Aggregate : 78.2%

University : Madurai Kamaraj University, Madurai, India.

Year : 2010.

### Higher Secondary School:

School : R.C.L.F Girls Hr Sec School, Usilampatti,

Aggregate : 71.2%

Year : 2007.

### SSLC:

School : T.E.L.C Girls Hr Sec School, Usilampatti,

Aggregate : 89.2%

Year : 2005.

## Additional Diplomas / Certificate Courses:

- Completed 3 Months (January- April,2024) Certificate course Offered by **NPTEL- Enzyme Science and Technology.**
- Completed **Certificate Course in Biotechnology**, Ayya Nadar Janaki Ammal College, Sivakasi-2007.
- Completed **Advanced Diploma in Biotechnology**, Ayya Nadar Janaki Ammal College, Sivakasi- November 2009, First class with special Distinction.

#### HANDS ON EXPERIENCE ON

- Microbiological Techniques.
- Molecular techniques - PCR, Cloning and Transformation, AGE, PAGE.
- Enzymology- Expression and purification of protein.
- Nanotechnology-Synthesis of Nanoparticles& Characterization.
- Plant tissue culture techniques.
- Chromatographic techniques- TLC, HPLC, Column chromatography.

#### ACADEMIC PROFECIENCY

- 🌀 Oral Presentation entitled “**Optimization of various nutrient media for Tannase and Gallic acid production by *Aspergillus niger* using banana flower stock as substrate**”.International Conference on Translational Research in Drug Discovery and Development for sustainable healthcare Organised by Department of Drug Discovery, Sathyabama University, Chennai, Tamilnadu, 3<sup>rd</sup> -5<sup>th</sup> May 2023.
- 🌀 Oral presentation on “**Potential application of extracellular cellulase purified from *Stenotrophomonas maltophilia***”. International conference on Converging Microbiological Innovation for Application in Animal, Plant, Environment and Health Care (ICCMIA, Organized by School of Animal Sciences, ManonmaniamSundaranar University, Thirunelveli, Tamilnadu, 27 & 28 January 2023.
- 🌀 Oral Presentation on isolation and “**Characrterization of Cellulolytic Microorganisms from Termites**” in Internaltional Conference onConstoriumof Universal Research Erudition (iCURE) at Madurai Kamaraj University Madurai, on 03-06<sup>th</sup> February 2023.
- 🌀 Participated in **CME on Molecular Immunology** sponsored by Indian Immunolgy Society, New Delhi, Organised by School of Biotechnology, Madurai Kamaraj University, Madurai on 4<sup>th</sup> February 2023.
- 🌀 Poster presentation titled “**Characterization of Extracellular cellulase produced by *Stenotrophomonas maltophilia* using alkali pretreated rice straw production medium**”. National conference on Innovations in Biotechnology, Organized by School of Biotechnology, Madurai Kamaraj University, Madurai, Tamilnadu, 14<sup>th</sup> & 15<sup>th</sup> December 2017.

☞ Poster Presentation titled “**Production and characterization of an Extracellular cellulase using Alkali pretreated Rice straw by *S.maltophilia***”. International Conference on Environment, Genes, Health and Diseases (EGHD 2017), Organized by, Department of Human Genetics and Molecular Biology, Bharathiar University from August 22nd to 24th, 2017 Coimbatore.

☞ Participated in **Three days National Level CME cum Seminar On Basics of immunology and its Clinical applications Organised by School of Biotechnology, Madurai Kamaraj University, Madurai, on 08-10<sup>th</sup> March 2017.**

☞ Oral Presentation entitled “**Enzymatic degradation of cellulose to fermentable sugars by the *Streptomyces* isolates from bio-gas plant**” in An International conference on "Natural resources and conservation" Organized by Nehru Memorial College, Trichy, Tamilnadu 17<sup>th</sup> September 2016.

### Resource Person:

S.No	Date	Name of the Programme/ Title	Name of the Institution
1.	27.03.2024	One Day Workshop on “Lab Management and Bio Safety Measures” for Lab Assistants and “Microbial Pure Culture Techniques” for Zoology students under DBT Star College Scheme.	G.T.N Arts College, Dindigul.
2.	04.08.2023	Clinical and Translational Research Conference- CTRON 2023. (Jury member for poster presentation).	Alpha Hospital & Research Centre, Madurai.

### Funds/ Grants Received from Funding Agency:

S.No	Funding Agency	Sanctioned Amount	Month& Year	Event
1.	IIS(Indian Immunology Society)	Rs 10,000/-	April-2023	Celebration of International Day of Immunology at Mannar Thirumalai Naicker College.
2.	IIS(Indian Immunology Society)	Rs 10,000/-	April-2024	Celebration of International Day of Immunology In association With TNSF (Tamilnadu Science Forum) for School childrens at Thulir Science Center, Thirumangalam.

### **Geust Lectures and Workshops Organised:**

- ☞ Acted as Convener and Organizing Secretary for the Celebration of “Environmental Day-2024” Organized by Department of Microbiology, Mannnar Thirumalai Naicker College, Pasumalai, Madurai on 26<sup>th</sup> June-2024.
- ☞ Acted as Convener and Organizing Secretary for the Guest Lecture on “Science for Sustainable Future” in view of National Science Day, Organized by Department of Microbiology, Mannnar Thirumalai Naicker College, Pasumalai, and Madurai on 28<sup>th</sup> February-2024.
- ☞ Acted as Convener and Organizing Secretary for the Guest Lecture on “NPTEL- A Guide for Strengthening Online Learning” Organized by Department of Microbiology, Mannnar Thirumalai Naicker College, Pasumalai, Madurai on 1<sup>st</sup> February-2024.
- ☞ Acted as Convener and Organizing Secretary for the Hands- on Training on “Exploring the Microbial World Through The Eyes of a Foldscope” Jointly Organized by Science And Communication Club and Department of Microbiology, Mannnar Thirumalai Naicker College, Pasumalai, Madurai on 19<sup>th</sup> January-2024.
- ☞ Acted as Convener and Organizing Secretary for the Celebration of “World AIDS Day-2023” Organized by Department of Microbiology, Mannnar Thirumalai Naicker College, Pasumalai, and Madurai on 20<sup>th</sup> December-2023.
- ☞ Acted as Convener and Organizing Secretary for the Celebration of “Environmental Day-2023” Organized by Department of Microbiology, Mannnar Thirumalai Naicker College, Pasumalai, Madurai on 27<sup>st</sup> June-2023.
- ☞ Acted as Convener and Organizing Secretary for the event “Chromatography- Hands on Training” Organized by Department of Microbiology, Mannnar Thirumalai Naicker College, Pasumalai, Madurai on 31<sup>st</sup> January-2023.
- ☞ Acted as Convener and Organizing Secretary for the event “One Day Workshop on Molecular Techniques” Organized by Department of Microbiology, Mannnar Thirumalai Naicker College, Pasumalai, Madurai on 22<sup>nd</sup> February-2023.

### **Seminars/ Workshops/ Conferences/ Symposium Attended:**

- ☞ Participated in International Webinar on **Nutritious Diets for Everyone and Use Heart for Action, Organized by Healthy Association**, World Health Services, Malaysia on 29<sup>th</sup> September, 2024.
- ☞ Participated in IP Awareness / Training Program under **NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION** Organized by NIPAM, India– on 13<sup>th</sup> September, 2024.
- ☞ Participated in One Day Workshop on **Plant Tissue Culture Techniques**, organised by Sri Kaliswari College, Sivaksi on 23<sup>rd</sup> August 2023.
- ☞ Participated on One day Seminar on “**Clinical Proteomics and Proteomics Day Celebration**” Held on 18<sup>th</sup> March 2017, at Aravind Medical Research Foundation, Madurai.

- ☞ Participated and be a part of organizing team in the three days National level CME cum Seminar on “**Basics of Immunology and Its Clinical Applications**” Organized by School of Biotechnology, Madurai Kamaraj University, Madurai from 8<sup>th</sup> to 10<sup>th</sup> March 2017. This CME cum Seminar has been accredited with 10 credit points by Tamilnadu Dr.MGR Medical University.
- ☞ Participated and be a part of organizing team in the One-day World Immunology Day Celebrations Organized by School of Biotechnology, Madurai Kamaraj University, Madurai on 29<sup>th</sup> April 2017.
- ☞ Participated in One Day Seminar on **Immunotherapeutics and Diagnostics** Conducted by **Department of Molecular Microbiology**, School of Biotechnology, Madurai Kamaraj University, Madurai, on 5<sup>th</sup> October-2015.
- ☞ Participated in Awareness programme on “**Biosafety& Bioethics**”, Lady Doak College, Madurai- 8<sup>th</sup> Feb 2012.
- ☞ Participated in one day workshop on **Intellectual property rights (IPR)**”, Lady Doak College, Madurai-8<sup>th</sup> Feb 2011.
- ☞ Participated in One day training on **Vermicomposting** in Agriculture college and Research Institute, Madurai-4<sup>th</sup> Jan 2011.
- ☞ Attended “**On the Job Training Programme in Cytogenic Techniques**”, at Bharathiar University, Coimbatore held on June 3<sup>rd</sup> to 12<sup>th</sup>, 2009.
- ☞ Participated in Intercollegiate **Green Wave Celebration on Biodiversity- Conservation and Management** -13<sup>th</sup>&14<sup>th</sup> Aug, 2010.
- ☞ Attended Two-day **workshop on Technology Enhanced Learning**, Ayya Nadar Janaki Ammal College, Sivakasi- 21&22 December, 2009.

#### FACULTY DEVELOPMENT PROGRAM

- ☞ Attended One Day National Faculty Development Program in IP Awareness / Training Program under “**NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION**” on August 6, 2024.
- ☞ Attended Two Days Faculty Development Program on “**CRITICAL & CREATIVE THINKING SKILLS**” ON 5<sup>TH</sup> & 6<sup>TH</sup> August 2024, Organized by the IQAC, Michael Job Memorial College of Education for Women, Coimbatore.
- ☞ Attended Seven Days Faculty Development Program on “**ESSENTIAL SKILLS FOR PROFESSIONAL DEVELOPMENT IN HIGHER EDUCATION**” organized by Star International Foundation for Research and Education on 01.07.2024- 07.07.2024.
- ☞ Attended One Week International Faculty Development Program on “**Intellectual Property Rights & Research Innovations in Biological Sciences (IPribs-24)**” 25<sup>th</sup> – 31<sup>st</sup> May, 2024 Organized by the PG Department of Microbiology in Association with the

Research & Development cell and IQAC, Syed Ammal Arts and Science College, Ramanathapuram.

☞ Attended Faculty Enhancement Program on Consultancy and Corporate Training organized by Mannar Thirumalai Naicker College, on 17<sup>th</sup> March 2023.

## PAPER PUBLICATIONS

**Tamilanban Rohini**, Rajadas Sam Ebenezer, Harshavardhan Shakila. Direct degradation of cellulosic biomass to fermentable sugars by the cellulolytic isolates from biogas plant”, Journal of Emerging Technology and innovative Research, 6(6), 513-528, 2019.

**Rohini Tamilanban**, Sam Ebenezer Rajadas, Vignesh Sounderrajan, ShakilaHarshavardhan. “Immobilization of thermostable, bacterial cellulase from *Stenotrophomonas maltophilia* in agar-agarose matrices and its characterization”, International Journal of Biosciences. 13(3), 198-208, 2018.

**Rohini T**, Sajeetha Santhi V, Saranya S, Sam Ebenezer R, Shakila H, "Optimization of AFEX Pretreated Agrowaste Media for Endoglucanase and Xylanase Production by *Stenotrophomonas maltophilia*", International Journal for Research in Applied Science and Engineering Technology, 5(12), 2361-2374, 2017.

**Rohini Tamilanban**, SatheerjaSanthiVelayudhan, Sam Ebenezer Rajadas, ShakilaHarshavardhan. “Purification and characterization of an extracellular cellulase produced using alkali pretreated rice straw by *Stenotrophomonas maltophilia*”, International Journal of Biology Research, 2(4); 45-54. 2017.

**Rohini Tamilanban**, Sam Ebenezer Rajadas, Vignesh Soundarajan, ShakilaHarshavardhan. “Optimization of Production Media for Tannase and Gallic acid Production Using Banana Flower Stalk as Substrate”. Submitted to Indian Journal of Natural Sciences. **(Under Review)**.

## BOOK CHAPTERS PUBLISHED

Sam Ebenezer Rajadas, Christy Rosaline, Keerthiga Krubanithy, **Rohini Tamilanban** and *Anis Kumar Mani*. “Biomaterials and Recent Advancements in Tailoring Approaches”- Translational Research in Biomedical Sciences: Recent Progress and Future Prospects- Chapter No-33- **Springer Nature**. [https://doi.org/10.1007/978-981-97-1777-4\\_25](https://doi.org/10.1007/978-981-97-1777-4_25). ISBN 978-981-97-1776-7. August-2024.

Saranya Somasundaram, Vignesh Sounderrajan and **Rohini Tamilanban**, Vignesh Soundrarajan. Bioflim: A bane to the food industry and its control measures. Translational Research in Biomedical Sciences: Recent Progress and Future Prospects. **Springer Nature**. [https://doi.org/10.1007/978-981-97-1777-4\\_7](https://doi.org/10.1007/978-981-97-1777-4_7). ISBN 978-981-97-1776-7. August-2024.

Vignesh Sounderrajan, Sam Ebenezer Rajadas, T. Thangam, Sudhanarayani S. Rao, Krupakar Parthasarathy, **Rohini Tamilanban** and Shakila Harshavardhan Host Directed Immunotherapy for Tuberculosis. Translational Research in Biomedical Sciences: Recent Progress and Future Prospects. **Springer Nature**. [https://doi.org/10.1007/978-981-97-1777-4\\_22](https://doi.org/10.1007/978-981-97-1777-4_22). ISBN 978-981-97-1776-7. August-2024.

Shakila Harshavardhan, Vignesh Sounderrajan, Sam Ebenezer R, Krupakar Parthasarathy and **Rohini Tamilanban**. Emerging concepts in the field of Vaccine adjuvants. Translational Research in Biomedical Sciences: Recent Progress and Future Prospects. **Springer Nature**. [https://doi.org/10.1007/978-981-97-1777-4\\_1](https://doi.org/10.1007/978-981-97-1777-4_1). ISBN 978-981-97-1776-7. August-2024.

### Management Skills:

- ✓ Acted as an organizing committee member in two national seminars, CME Programme and one state level seminar.
- ✓ Resource person for National Children's Science Congress.

### Academic Experiences:

- ☞ Handled M.Sc., Biotechnology classes and projects in School of Biotechnology, Madurai Kamaraj University.
- ☞ Worked as an Assistant professor in G.T.N Institute of paramedical and Allied Health Science, Dindigul, from August-2019 to August 2022.
- ☞ Working as an Assistant professor, in Department of Microbiology, Mannar Thirumalai Naicker College, Madurai from December 5-2022 to till date.

## PROJECTS CARRIED OUT

**Ph.D.** – Production, Purification and Characterization of cellulase from *S.maltophilia* and its applications.

**M.Phil.** - Optimization of various nutrient media for production of Tannase and Gallic acid by fungal isolates using banana flower stalk as substrate.

**M.SC-** Production of wine from the edible fruits of *Vitis vinifera* L., *Malus Domestica* Borkh., *Carica papaya* L., *Manilkara Zapota* L., using *Saccharomyces* Sp.

## PAPER SETTERS/ EXAMINER SHIP IN OTHER INSTITUTIONS

- ☞ THE MADURA COLLEGE, MADURAI.
- ☞ A.V.S COLLEGE OF ARTS AND SCIENCE, SALEM.
- ☞ ALAGAPPA UNIVERSITY, KARAUKUDI.
- ☞ THE AMERICAN COLLEGE, MADURAI.
- ☞

## **Membership in Academic Bodies**

**LIFE MEMBERSHIP IN INDIAN IMMUNOLOGY SOCIETY (IIS) (MEMBERSHIP NUMBER: - LM/IIS/1030/12/23).**

## **PERSONAL DETAILS**

Name : **Dr.T.Rohini**  
Date of Birth : 13.06.1990  
Father's Name : N.Tamilanban  
Nationality : Indian  
Address : T.Rohini  
Plot no-26,  
4/154 Abdhul Kalam Nagar,  
Nagamalai Pudhukottai,  
Melakuil Kudi Road,  
Madurai- 625019.

## **DECLARATION**

I hereby declare that the above particulars furnished by me are true to the best of my knowledge and belief.

Place : Madurai

Yours Faithfully,

(T.ROHINI)