




Bharathiar University

State University | "A⁺⁺" Grade by NAAC | 46th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

<p>Dr PARIMELAZHAGAN THANGARAJ Professor Department of Botany Bharathiar University Coimbatore, 641046 Tamil Nadu E-mail: drparimel@buc.edu.in Phone: 8903001973 Office Number: 0422 2428305</p>	
<p>Research Area</p> <ul style="list-style-type: none"> • Research Focus • Translation and commercialization of natural products • Phytomedicine and Nutraceuticals • Bioprospection of Medicinal and Aromatic plants 	<p>Courses Teaching</p> <ul style="list-style-type: none"> • Plant Biochemistry • Plant Physiology • IPR (Intellectual Property Rights) • Research Methodology • Herbal Technology
<p>• Ethnobiology and Pharmacology Research Experience:</p>	<p>Teaching Experience: 15</p>
<p>Research Credentials (as on September 2025 – Source: Google scholar) H-index: 35 Citations: 4482 i10-index: 100</p>	
<p>Patents : Granted: 4</p>	
<p>Publications Books/Chapters: 59 International Journals: 124 National Journals: 12</p>	
<p>Career</p> <p>At Bharathiar University</p> <ol style="list-style-type: none"> 1. Designation : Professor and Head Period : March 2022 - Till Date 2. Designation : Dean Period : June 2024 - Till Date 3. Designation : Director Period : January 2023 - Till Date 4. Designation : Director Period : January 2017 - January 2023 5. Designation : Professor Period : February 2014 - March 2022 6. Designation : Associate Professor Period : February 2011 - February 2014 7. Designation : Reader Period : February 2008 - February 2011 <p>Other Institutes</p> <ol style="list-style-type: none"> 1. Designation : Scientist Institution Name : Rubber Research Institute of India, Ministry of Commerce, Govt. of India Turu, Meghalaya Period: March 2000 - January 2004 2. Designation : Scientist Institution Name : Defence Research and Development Organization, Ministry of Defence, Govt. of India, Bhopal Period: January 2004 - January 2008 	



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Dr PARIMELAZHAGAN THANGARAJ , Professor , Department of Botany

Education

D.Sc

Subject : Botany
Institution : Periyar University, Salem
Affiliated University : Periyar University, Salem
Year of Award : April 2024

Ph. D.

Subject : Botany
Institution : Bharathiar University, Coimbatore
Affiliated University : Bharathiar University, Coimbatore
Year of Award : February 2000

M. Sc.

Subject : Botany
Institution : Bharathiar University, Coimbatore
Affiliated University : Bharathiar University, Coimbatore
Year of Award : July 1995

B. Sc.

Subject : Botany
Institution : St. Joseph's College (Autonomous)
Affiliated University : Bharathidasan University
Year of Award : May 1993

Projects

National Level

Ongoing - 3 completed - 12

Research Guidance

Completed

Ph.D. - 15

International Level Institutional Responsibilities

Ongoing - 1 completed - 1

Director - IPR Cell

Period :Jan 2016 - Dec 2023

Nature of Responsibility :Facilitate Patent Filling and other IPR activities

Dean, Faculty of Science

Period :Jun 2024 to Till date

Nature of Responsibility :

Deputy Coordinator - RUSA MoE

Period :Jul 2020 - Jul 2024

Nature of Responsibility :

Director, Centre for Research and Technology Development

Period :Mar 2022 to Till date

Nature of Responsibility :

Special Officer, Planning and Development

Period :Jul 2017 - Jul 2023

Nature of Responsibility :

Board of Governor - RUSA MoE

Period :Jul 2020 - Jul 2024

Nature of Responsibility :

Coordinator, CBCS

Period :Mar 2009 - Apr 2013

Nature of Responsibility :



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Coordinator, IQAC

Period :Mar 2009 - Apr 2014

Nature of Responsibility :

Faculty Coordinator for Student Welfare

Period :Mar 2009 - Apr 2014

Nature of Responsibility :

NAAC Coordinator

Period :Mar 2023 - Dec 2023

Nature of Responsibility :

Coordinator, UGC SAP

Period :Mar 2020 - Apr 2024

Nature of Responsibility :

Coordinator, DST FIST

Period :Mar 2021 - Apr 2024

Nature of Responsibility :

Member for Board of Studies

Period :Mar 2013 to Till date

Nature of Responsibility :For various Universities and Colleges

Member of Doctoral Committee

Period :Mar 2013 to Till date

Nature of Responsibility :For various Universities and Colleges

External Examiner, Ph. D. Thesis and Viva Voce

Period :Jan 2012 to Till date

Nature of Responsibility :For various Universities and Colleges

Visits

1. UGC Sponsored Raman Post-Doctoral fellow in Dept. of Pharmaceutical Sciences, College of Pharmacy University of Hawaii, Hilo (2015-11-30 - 2014-12-01)
2. Deliver a invited talk at World Nutraceutical Conference and Expo (2015-07-01 -)
3. Present research paper at 18th International Conference on Pharmacology, Medicinal and Pharmaceutical Sciences organized by World Academy of Science, Engineering and Technology (2016-07-01 -)
4. Visited Bangladesh to present a research paper at 10th Bangladesh Botanical Conference (1999-11-14 - 1999-11-12)
5. Visited Sweden (Uppsala) to present research paper at International conference on Natural Drugs origin (2007-09-05 - 2007-09-08)
6. To present research paper at International symposium on Underutilized plant species: Crops for the future- Beyond Food Security (2011-06-27 - 2011-07-01)
7. Visited Manipl Academy of Higher Education, Dubai campus in connection with delivering guest lecture (2019-03-11 -)
8. Visited Federal University of Mato Grosso, Brazil as an invited speaker of the IV workshop on ethnopharmacology on the title "Biodiversity Legislation in India" (2019-09-05 -)
9. Visited Thailand to deliver an invited lecture at ICAEBC organized by Metharath University (2023-08-09 -)

Collaborations

1. DST Indo-South Africa Bilateral project with University of Johannesburg (2017-02-01 -)
2. Visited Department of Biology, Rutgers University - Camden, New Jersey, USA and Interacted with Dr. Simeon Kotchoni (2015-07-17 -)



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3. DST Indo-South Africa Bilateral project with University of Johannesburg (2019-03-01 - 2019-03-10)

Programs organized

1. National Symposium on Herbal Drug Research (2008-09-25 - 2008-09-26)
2. Workshop on Intellectual Property Rights (Natural products) (2009-02-09 -)
3. National Workshop on Scientific validation of traditional Herbal medicine (2009-12-16 - 2009-12-17)
4. National Conference on Herbal Medicine (2010-09-08 - 2010-09-09)
5. Workshop on Recent Trends in Plant Science (2011-02-08 - 2011-02-09)
6. National Workshop on Intellectual Property Rights – Opportunities, Issues and Challenges (2011-08-11 - 2011-08-12)
7. Workshop on Man and Medicinal Plants (2012-02-23 - 2012-02-24)
8. National Conference on Phytomedicine (2012-10-04 - 2012-10-05)
9. National Workshop on Intellectual Property Rights (2013-08-01 - 2013-08-02)
10. National Workshop on Intellectual Property Rights (2016-03-03 - 2016-03-04)
11. National Workshop on Intellectual Property Rights in Biomedical Innovations (2016-10-20 -)
12. International Conference on Phytomedicine (2018-08-29 - 2018-08-31)
13. National Workshop on Intellectual Property Rights (2019-03-21 - 2019-03-22)
14. Two days Interactive Workshop on Converting the Research work Worth Commercialization- Claim Drafting (2019-08-29 - 2019-08-30)
15. Two Days National Conference on Phytomedicine (2023-01-05 - 2023-01-06)
16. Served as a Coordinator to conduct a Refresher course in Botany (2010-09-03 -)
17. Served as Course Director and conducted a DBT Short Term Training Course on Bioprospecting of Medicinal Plants: A Biotechnological Approach (2012-03-01 - 2012-03-16)
18. Served as Course Director and conducted a DBT Short Term Training Course on Analytical Techniques in Bioprospecting of Medicinal Plants (2017-10-23 - 2017-11-08)
19. Served as a Course Co-ordinator for the UGC- Sponsored Short-Term Course on Intellectual Property Rights (2019-09-12 - 2019-09-18)
20. Served as a Course Co-ordinator Webinar on Recent Advances in Biological Sciences- (2020-05-14 - 2020-05-15)
21. Summer Training Program in Biological Sciences (2020-07-15 - 2020-07-30)
22. Summer Training Program in Biology (2021-07-20 - 2021-08-07)

Patents

Granted - 4

1. An improved boiling device and a process for manufacture ther of 01-1970 291125 Parimelazhagan
2. A method to Isolate Isokaempferide from *Acalypha alnifolia* 01-1970 349229 Ponnusamy Revathi, Dr. Thangaraj Parimelazhagan
3. Dietary Supplement and method of manufacturing the dietary supplement from seed embryo of Palmyrah (*Borassus flabellifer*) 01-1970 326090 Dr. T. Parimelazhagan, K. Arunachalam, S. Saravanan
4. Isolation of compounds with anti-diabetic potentials from *Syzygium mundagam* 01-1970 370349 Rahul Chandran, Dr. T. Parimelazhagan

Selected Publications



1. Molecular insights into bioactive compounds from *Symplocos acuminata* leaf extract: GC-MS profiling, anti-HPV targeting and cytotoxic dynamics against cervical cancer cells.

Journal of Herbs, Spices & Medicinal Plants, 1-22 (September 2025)

Rajendran, K., Seeniponnalagu, S., Paul, B. M., Thangaraj, P., Manickam, V., & Anusuya, S.

2. Folic Acid Treatment Enhances Bio-accessibility and Antioxidant Activity of Sprouts and Microgreens: A Comparative Study Across Developmental Stages. .

Food Bioscience, 107325 (July 2025)

Rajendran, K., Seeniponnalagu, S., Paul, B. M., Kannan, G., Thangaraj, P., & Anusuya, S.

3. Phytochemical intervention in BCRP-driven cancer drug resistance: A comprehensive review.

Biochimica et Biophysica Acta (BBA)-Reviews on Cancer (May 2025)

Ruban, S. A., Raj, F. J., Thangaraj, P.

4. In silico docking, ADMET profiling, and bio-accessibility experimentation on *Breynia retusa* phytochemicals and in vitro validation for anti-proliferative potencies against ovarian carcinoma.

3 Biotech (April 2025)

Paul, B. M., Sundararajan, V. V., Raj, F. J., Kannan, G., Durairajan, M. B., & Thangaraj, P.

5. GC-MS/HPLC Profiling and Sono-Maceration Mediated Extraction of *Osbeckia Parvifolia* Polyphenols: In Silico and In Vitro Analysis on Anti-Proliferative Activity in Ovarian Cancer Cell Lines.

Chemistry & Biodiversity (March 2025)

Mathews Paul, B., Kannan, G., Jegan Raj, F., Velavan Sundararajan, V., Annadurai, Y., Piramanayagam, S., & Thangaraj, P.

6. Effects of Prebiotic Phytochemical Administration in Gestational Diabetic Dams and Its Influence on Offspring Cognitive Outcomes

International Journal of Molecular Sciences (March 2025)

Jagadeesan, G., Das, T. K., Mendoza, J. M., Alrousan, G., Blasco-Conesa, M. P., Thangaraj, P., & Ganesh, B. P.

7. Stimulation, regulation, and inflammaging interventions of natural compounds on nuclear factor kappa B (NF- κ B) pathway: a comprehensive review

Inflammopharmacology (January 2025)

Kannan, G., Paul, B. M., & Thangaraj, P

1. Pomotherapeutic Insights on Wild Edible Fruits.

Springer Singapore (February 2025)

T. Parimelazhagan