

**Dr. Jiji. P.G.**

**Contact:**

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- Email: [jiji.paravath@gmail.com](mailto:jiji.paravath@gmail.com)

**Education**

- Ph.D in Botany - Calicut University (Completed on 27/3/2025)
- CSIR-NET/JRF (Life Sciences) - Qualified June 2016 (Rank 32 National Level)
- SET-Science (Botany) - Directorate of Higher Secondary Education (Qualified Sept 2011)
- B.Ed. Natural Science - Kerala University (First Class, March 2007)
- M.Sc. Botany - Calicut University (First Class, Sept 2005)
- B.Sc. Botany - Calicut University (First Class, March 2003)

**Skills**

- **Laboratory Techniques:** HPLC, FTIR, GCMS/LCMS, UV-Visible Spectroscopy, TLC Visualization, Isolation of Phytochemical Compounds
- **Bioinformatics & Data Analysis:** Sequence Analysis, Barcoding Analysis, Software (SPSS, GraphPad Prism, MEGA 11 – Phylogeny, AutoDock)
- **Research:** Design and conduct research projects, data interpretation, scientific writing
- **Teaching:** Deliver engaging lectures, explain complex scientific concepts clearly
- **Communication:** Excellent written and verbal communication skills
- **Adaptability:** Thrives in both classroom and laboratory settings

**Experience**

- **Teaching:** Worked as a Faculty at Entrance Coaching Centers (SIGNS Education, REASEARCH WORLD)
- Worked as a Guest Leacturer in Sree Narayana College Nattika

**Research Projects**

- Ph.D. Research: Pharmacognostic Analysis and Bioactivity Studies in *Kamettia Caryophyllata* (Roxb.) Nicolson & Suresh.
- M.Sc. Dissertation: Effect of Effluent on Growth and Secondary Metabolites of Some Medicinal Plants.

## Publications

- Jiji. P. G & Subin. M. P. (2017). Qualitative phytochemical screening and GC-MS analysis in the leaf Methanolic extracts of *Kamettia Caryophyllata*(Roxb.) Nicolson & Suresh. Paripex – An Indian Journal of Research ISSN No: 2250-1991, Volume 06 - Issue 04,
- Subin. M. P, Jiji P G & Anila V S.( 2020). Preliminary analysis on the phytomedicinal properties of methanolic bark extracts of *Anodendron paniculatum* (Roxb.) A. DC. Journal of Advanced Scientific Research ISSN No: 0976-9595
- Jiji. P. G & Subin. M. P. (2020). Pharmacognostic Analysis and DNA barcoding For Identification And Authentication Of Medicinal Plant *Kamettia Caryophyllata* (Roxb.)Nicolson & Suresh. Journal of Natural Remedies Vol. 21, No. 8,
- Jiji, P. G., & Subin, M. P. (2023). Phytochemical profiling and bioactivity of methanolic stem extract of *Kamettia caryophyllata* ( Roxb .) Nicolson & Suresh : A comprehensive study. *J.Botan.Soc.Bengal*, 77(2), 56–68.

## Sequence Submission

- Submitted rbcL and matK gene sequences of *Kamettia caryophyllata* to NCBI database (accession no. MH201080 and MH 681795).

## Presentations

- Jiji.P.G, Princy.P.K & Subin. M. P. (2020). Preliminary phytochemical analysis to reveal the pharmacological importance of methanolic wood extracts of *Anodendron paniculatum* (Roxb.) A. DC. 32<sup>nd</sup> Kerala Science Congress from 25<sup>th</sup> -27<sup>th</sup> January 2020, conducted by Kerala State Council for Science Technology and Environment, Sasthra Bhavan, Pattom, Thiruvananthapuram at Yuvakshetra Institute of Management Studies, Mundur, Palakkad. Abstracted 09-29, Page No.161. ISBN No: 978-81-942768-0-7.
- Jiji. P. G & Subin. M. P. (2020). Preliminary Phytochemical Analysis and Antimicrobial Activity Studies of Methanolic Root Extract of *Kamettia caryophyllata* (Roxb.) Nicolson & Suresh. *Proceedings of International Conference on Climate change: Adaptation and Mitigation* from 8<sup>th</sup> to 10<sup>th</sup> January 2020, Organised by Finishing School Cell, St.Thomas College (Autonomous), Thrissur, Kerala. (Page No. 158-172; ISBN : 978-81-944730-0-8)
- Jiji. P. G & Subin. M. P. (2020). Preliminary phytochemical analysis and antimicrobial activity studies of methanolic stem extract of *Kamettia caryophyllata* (Roxb.) Nicolson & Suresh. International Conference on Homeopathy & Phytomedicine from 21<sup>st</sup> and 22<sup>nd</sup> January 2020, Organised by Department of Biochemistry, St.Thomas College, Pala, Kerala in Association with National Ayush Mission. Abstracted, Page No (79).
- Jiji, P.G., & Subin. M.P. (2018). Preliminary Phytochemical Analysis in the Petroleum ether extracts of leaf Component in *Kamettia caryophyllata* (Roxb.) Nicolson & Suresh. *Proceeding of International Conference on Phytomedicine*, August 29<sup>th</sup> to 31<sup>st</sup> 2018, Bharathiar University, Coimbatore, Tamil Nadu, India. Abstracted in *Medicinal Plants-International journal of Phytomedicine and Related Industries*, Special issue (1): 105-106 (NAAS: 5.12)

## **Workshops Attended**

- **Training on "Wet Chemistry"** (2017) - CARE KERALAM, Confederation for Ayurvedic Renaissance, KINFRA, Koratty, Kerala.
- **Fourteen Days Training on Identification and Characterization of Phytochemicals and their Possible Targets of Action** (Dec 1 - 14, 2022) - College of Veterinary and Animal Sciences, Mannuthy, Department of Veterinary Pharmacology and Toxicology.
- **DNA to Phylogeny - A National Skill Enhancement Workshop in Biotechnology** (Jan 8-10, 2018) - Karunya Institute of Technology and Sciences, Karunya Nagar, Coimbatore.
- **Molecular Biology Techniques and Bioinformatics** (Jan 17-18, 2018) - PG and Research Dept of Botany, S.N. College, Nattika (Supported by DST-FIST and Nexgene Kochi).
- **Two-Day Hands-on Workshop on HPLC, FTIR, DNA Isolation and Screening - BIOCISION 2019** - Sree Narayana College, Nattika, Thrissur.
- **Two-Day Workshop on "Recent Trends in Media, Politics, Democracy and Statistical Computing"** - Sri Achuthamenon Govt. College, Kuttanellur, Thrissur.
- **Three-Day Workshop on Exploring the Techniques Involved in Phytochemical Analysis and their Biological Applications** (Mar 6-8, 2024) - Entomology Research Institute (ERI), Loyola College, Chennai, Tamil Nadu, India.

## **Languages Known**

- English (Read, Write, Speak)
- Malayalam (Read, Write, Speak)
- Hindi (Read, Write)

## **Personal Details**

- Date of Birth: 20/05/1983
- Nationality: Indian
- Address: Paravath House, Kandassankadavu, Thrissur, 680613