



## FACULTY PROFILE

Name	Dr. DEEPTHI A S
Designation	ASSOCIATE PROFESSOR
Department	BOTANY

### PERSONAL VISION AND MISSION

**Vision** Encourage open minds and creative thinkers who will meet the challenges of their generation

**Mission** Promote the virtues of scientific method, research and scholarly inquiry so students can bring important critical thinking skills to their pursuits outside of college.

### PERSONAL DETAILS

Date of entry into permanent service	02-08-2004
Total teaching experience as on 01 November 2025	21 YEARS 03 MONTHS
Age and Date of Birth	48 YEARS, 24-05-1977
Residential Address	PUTHIAYYATH HOUSE, KARAKKAD PO, CHENGANNUR, ALAPPUZHA, KERALA, 689504
Address for Correspondence	PUTHIAYYATH HOUSE, KARAKKAD PO, CHENGANNUR, ALAPPUZHA, KERALA, 689504
Mobile / Whatsapp Number	9446028348
E-mail (Personal and Official)	deepthidob05@gmail.com

### ACADEMIC QUALIFICATIONS

Degree	Subject	Institution and University	Grade/ Rank etc.
UG	Botany	Catholicate College, Pathanamthitta, Mahatma Gandhi University, Kottayam	
PG	Botany	Catholicate College, Pathanamthitta, Mahatma Gandhi University, Kottayam	IV <sup>th</sup> Rank
M Phil			



Ph D	<b>Botany</b>	School of Biosciences, Mahatma Gandhi University, Kottayam	
Additional Qualifications	JRF and NET		

### COLLEGE LEVEL DUTIES / MAJOR CHARGES

Duty	Position	Duration
University Examination	Senior Assistant Superintendent	2025- 2026

### POSITIONS HELD/ AWARDS/ RECOGNITIONS/ MAJOR ACHIEVEMENTS

Name	Details
Board of Studies Member	B. Voc (Honours)
Question Paper Setter	B.Sc (Honours) -Signature Course
Reviewer	Current Botany, Cureus and BP International Publishers
Best Paper Award	

### RESEARCH AND CONSULTANCY

Year of Award of Ph.D.	2020
No. of Publications	15
No. of Patents awarded	Nil
No. of papers presented in Conferences, Seminars, Workshops and Symposia	6
Year of Award of Research Guideship	



No. of Ph.Ds produced	
No. of Ph.D. students currently registered	
No. of Major Research Projects awarded/completed	
No. of Minor Research Projects awarded/completed	
Total amount of research grant awarded	
Area of Consultancy	
Income generated by consultancy during the last five years	

### RESEARCH PROJECTS

Name	Details	Amount
UGC Minor Project DST Major Project		

### PUBLICATIONS AND PRESENTATIONS

International/ National Publications	<ul style="list-style-type: none"> <li>• Deepthi, A. S., &amp; Nair, G. G. (2015). Leghaemoglobin and Ureide Biosynthesis in Pueraria Phaseoloides and Mimosa Invisa: Implications for Symbiotic Nitrogen Fixation. <i>Scholars Journal of Agriculture and Veterinary Sciences</i>, 2(4A), 337-342.</li> <li>• Deepthi, A. S. (2015). Sacred Groves as Biodiversity Remnants and Microclimate Regulators In India: A Review. <i>Scholars Academic Journal of Biosciences</i>, 3(10), 875-879.</li> <li>• Deepthi, A. S. (2015). Synergistic Threats: Climate Change And Anthropogenic Pressure on Western Ghats Biodiversity. <i>Journal of Advances in Developmental Research</i>, 6(1), 1-7.</li> <li>• Deepthi, A. S., &amp; Ray, J. G. (2018). Endophytic diversity of hanging velamen roots in the epiphytic orchid <i>Acampepraemorsa</i>. <i>Plant Ecology &amp; Diversity</i>, 11(5-6), 649-661.</li> <li>• Deepthi, A. S., &amp; Ray, J. G. (2019). Applications of endophytic-fungal isolates from velamen root of wild orchids in floriculture. <i>Brazilian Journal of Biological Sciences</i>, 6(14), 577-589</li> <li>• Deepthi, A. S., &amp; Ray, J. G. (2020). Algal associates and the evidence of cyanobacterial nitrogen fixation in the velamen roots of epiphytic orchids. <i>Global Ecology and Conservation</i>, 22, e00946</li> <li>• Deepthi, A. S., &amp; Ray, J. G. (2021). Ecological relevance of the endophytic</li> </ul>
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	<p>fungal diversity in velamen roots of tropical epiphytic orchids. <i>Czech Mycology</i>, 73(1), 91–108.</p> <ul style="list-style-type: none"> <li>• Deepthi, A. S., Joseph, N., &amp; Annakutty, A. G. (2024). Antigenotoxic potential of the aqueous basidiocarp extracts of <i>Calocybe indica</i>. <i>Current Botany</i>, 15, 37-40.</li> <li>• Deepthi, A. S., Ray, J. G., &amp; Joseph, N. (2024). The Influence of geographical and seasonal factors on the endophytic fungal assemblage in the velamen roots of <i>Rhynchostylis retusa</i> (L.) Blume. <i>African Journal of Biological Sciences</i>, 6(14), 11733-11749.</li> <li>• Raphael, R., Deepthi, A. S., Karnaver, P., Devy, R. A., Priya, M. D., &amp; Jose, J. (2024). Mapping Research Trends in One Health: A Comprehensive Review. <i>Cureus</i>, 16(9), e70047.</li> <li>• Deepthi, A. S., Thomas, T., Joseph, N., Salu, A., &amp; Karnaver, P. (2024). Isolation and Characterization of Melanin from the Commercially Available Edible Mushrooms. <i>Kavaka</i>, 60(4), 21-25.</li> <li>• Deepthi, A. S., Joseph, N., Thomas, R. P., Karnaver, P., &amp; Binu, M. S. (2025). Studies on carbon sequestration potential of trees with epiphytic orchid association. <i>Current Botany</i>, 16, 76-80</li> <li>• Deepthi, A. S., Karnaver, P., &amp; Jishamol, K. K. (2025). Quantification and Characterization of Microplastic Contamination in <i>Pseudotroplus maculatus</i> (Bloch, 1795) and <i>Villorita cyprinoides</i> (Gray, 1825) Collected from Vembanad Lake Kerala: Implications for Aquatic Ecosystems. <i>Uttar Pradesh Journal of Zoology</i>, 46(8), 251-268.</li> <li>• Nair, V. D., Karnaver, P., Raphael, R., Deepthi, A. S., Priya, M. D., &amp; Jose, J. (2025). From Medicinal Plants, Animals And Microorganisms To Modern Medicine: A Bibliometric Analysis Of Pharmacognosy Research, Trends And Collaborations. <i>Journal of Environmental Protection and Ecology</i>, 26(4), 1326–1339.</li> <li>• Karnaver, P., Deepthi, A. S., &amp; George, C. P. (2025). GC-MS Profiling and Antifungal Activity of Secondary Metabolites from Endophytic Fungi Isolated from the Velamen Roots of <i>Epidendrum radicans</i>. <i>Kavaka</i>, 61(3), 20-29.</li> </ul>
Chapters in Books	<ul style="list-style-type: none"> <li>• Joseph, N., Deepthi, A. S., &amp; Meera Krishnan. (n.d.). Characterization of <i>Aristolochia indica</i> L.: A Comprehensive Study on Pharmacognostic and Phytochemical Aspects. 36-46 (April 2024). <i>Innovations in Biological Science Vol. 3</i></li> <li>• Joseph, N., Deepthi, A. S., &amp; Rupika, N. (n.d.). Enhancing Silk Fabric with Eco-friendly Natural Dyes: A Comparative Study. <i>Research Advances in Environment, Geography and Earth Science</i>, 9, 146-158</li> <li>• Deepthi, A. S., Joseph, N., &amp; Annakutty, A. G. (n.d.). Mitigating Genotoxicity: The Protective Effects of <i>Calocybe indica</i> Extracts against Coca-Cola Induced Chromosomal Damage. <i>Contemporary Research and Perspectives in Biological Science</i>, 7, 96-108.</li> <li>• Deepthi, A. S., Joseph, N., Jiji, M. G., &amp; Sreenandhana, J. (n.d.). Unveiling cyanobacterial diversity associated with black pepper (<i>Piper nigrum</i>): Perspectives for tropical crop management. In <i>Climate, Community and Collapse: The Ecology of a Warming World</i>.</li> </ul>
Proceedings of international/ National symposiums	<ul style="list-style-type: none"> <li>• Deepthi, A. S., &amp; George, C. P. (n.d.). Purification and Characterization of Mycelial Melanin in Fungi. In <i>Traditional Knowledge Systems and Biodiversity</i> (pp. 94-100). Sooryagatha Publishers.</li> <li>• Deepthi A S., Gauri Krishnan M R., &amp; Delviya Xavier Impact of Sacred Groves on Carbon sequestration: Insights from Idukki District, Kerala. In <i>Mitigation of</i></li> </ul>



	Climate Change Through Biodiversity Conservation
Paper Presentations (International/ National )	<ul style="list-style-type: none"> <li>Diversity of Fungal Endophytes in the velamen roots of <i>Acampe praemorsa</i> (Roxb) Blatt &amp; Mc Cann National Seminar on New trends in plant diversity studies 2015 Organised by Department of Botany Catholicate College, Pathanamthitta</li> <li>A study of Fungal associates in the velamen roots of epiphytic Orchids National Seminar on New trends in plant diversity studies 2015 Organised by Department of Botany Catholicate College, Pathanamthitta</li> <li>Morphoanatomical Characterization and Endophytic Fungal Associates in the Velamen Roots of <i>Arachnis flos-aeris</i> National Seminar on Biodiversity of Microbes and Climate Change Mitigation 2016 Organised by Department of Botany Catholicate College, Pathanamthitta</li> </ul>

### WORKSHOPS /SEMINARS/ CONFERENCES ORGANISED

Position	Details
Co-ordinator	

### WORKSHOPS /FDP/ORIENTATION/REFRESHERCOURSES ATTENDED

Name	Details
One week online Faculty Development Programme	<ul style="list-style-type: none"> <li>Orientation Programme UGC HRDC University of Kerala, Thiruvananthapuram - from 09-11-2007 to 06-12-2007</li> <li>Refresher Course in Life Science- UGC HRDC University of Kannur, Kannur, from 03-03-2011 to 23-03-2011</li> </ul>
One week workshop	<ul style="list-style-type: none"> <li>Special winter school at UGC HRDC University of Kerala, Thiruvananthapuram from 28-11-2014 to 18-12-2014</li> <li>Short Term Course in Women Empowerment UGC HRDC University of Kerala, Thiruvananthapuram from 29-08-2019 to 04-09-2019</li> <li>Short Term Course in Human Rights and RTI Act University of Kannur, Kannur from 25-09-2019 to 01-10-2019</li> <li>2-Week Faculty Development Programme on Managing Online Classes And Co-Creating Moocs 3.0" from 25-07-2020– 10-08-2020</li> <li>one week Online Hands-on Training on Learning Management System (MOODLE) organised by the Faculty Development Centre of the Kerala State Higher Education Council in association with the Digital University of Kerala during 11th to 17th May 2022</li> <li>One Week Inter- Disciplinary Faculty Development Programme On "Youth &amp; Climate Change" From 27-10-2021 To 3-11-2021</li> </ul>

**MEMBERSHIP IN PROFESSIONAL BODIES**

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**ANY OTHER RELEVANT INFORMATION**

Number of Plenary or Invited Lectures in Seminars, Conferences and Symposia- 2

Number of Chairmanships in Seminars, Conferences and Symposia

Innovative methods adopted in teaching.

Creation of e-contents and MOOC courses (*Give separate list with URL*).

Details of popular articles in newspapers or magazines.

Details of community outreach and extension activities.

A handwritten signature in blue ink that reads "Deepthi".

23/11/2025

Dr. Deepthi A S

Name and Signature of Teacher with date