

CURRICULUM VITAE

PERSONAL PROFILE

Dr. BINDU. P. K

Assistant Professor

Department of Botany

Sanatana Dharma College

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POSITIONS HELD

- Chairman, Board of Examinations (PG), Microbiology
- Chairman, Board of Examinations (PG), Ethnobotany and Ethnopharmacology
- Member, Board of Studies, Sacred Heart College, Thevara (Autonomous)
- Member, Malpractice Prevention Squad, University of Kerala
- Member of IQAC, CLMC
- Research Supervisor, University of Kerala
- Coordinator, Bhoomitrasena club

TEACHING EXPERIENCE

- Teacher, Chinmaya Vidyalaya, Tripunithura (1998-2009)
- Assistant professor, Sanatana Dharma College, Alappuzha(2009 to present)

LIFE MEMBER

- IAAT
- IBS
- KAS

EDUCATION BACKGROUND

Examinations	Name of the Board/University	Year of Passing	Division /Class/ Grade	Subject
B Sc	Mahatma Gandhi University	1995	First Class	Botany
M Sc	Mahatma Gandhi University	1997	First Class	Botany
B Ed	Mahatma Gandhi University	1998	First Class	Natural science
NET	UGC NET	2000 July	Eligibility Test for Lectureship	Life sciences
Ph D	University of Kerala	October 2017	--	Botany

RESEARCH ACTIVITIES

Area of Interest: Ethnobotany, Taxonomy and Phytochemistry

Research publications

Sl. No	Title of the Article	Name of the Journal	Volume, Number, page Nos, year etc.
1.	Biochemical Estimation of Proximal principles in some common weeds	Proceedings of 12 th Kerala Science Congress, Kumily	197 – 199 2000
2.	Enumeration of some potential medicinal plants (Polypetalae) in the District of Alappuzha, (Kerala) –I	<i>Journ.Econ. Taxon.Botany</i>	Vol.34 (3)505- 511 2010
3.	Enumeration of some potential medicinal plants (Polypetalae) in the District of Alappuzha (Kerala) –II	<i>Journ.Econ. Taxon.Botany</i>	Vol.37(4) 777-785 2013
4.	Notes on <i>Eleuthrine bulbosa</i> (Mill.)Urb.A fast naturalizing exotic bulb crop among the UlladanTribal Community in Kerala state.	<i>Journ.Econ. Taxon.Botany</i>	Vol.38(2) 279-281 2014
5.	A unique Ethnomedicinal oil prepared by Ulladan Tribal Community of Kerala State.	<i>Journ.Econ. Taxon.Botany</i>	Vol.38 (2) 355-358 2014
6.	Two Ethnomedicinal oils prepared by Ulladan tribal Community to cure Tooth ache.	<i>Journ.Econ. Taxon.Botany</i>	Vol.38 (2) 359-360 2014
7.	A study on traditional post-delivery medicated bath practiced among the Ulladan tribal community of Kerala.	<i>Journ.Econ. Taxon.Botany</i>	Vol.38(3-4) 550-562 2014
8.	Ethnobotanical study of Ulladan Tribal Community in Alappuzha District, Kerala, India	<i>Journ.Econ. Taxon.Botany</i>	Vol.39(1) 197-207 2015
9.	Ethnobotanical study of Ulladan Tribal Community in Kollam District, Kerala State, India.	<i>Journ.Econ. Taxon.Botany</i>	Vol.39 (1) 208-222 2015
10.	Phytochemical and Nutritional Potential of Tropical Almond seed and its Antifungal Activity against <i>Candida albicans</i>	<i>IJRASET</i>	Vol.7(6) 1749-1753 2019
11.	Kaattu vedhu – a unique post-delivery bathing practice among Ulladan tribal community, Kerala, India	<i>Journ.Econ. Taxon.Botany</i>	Vol.43 (1-4) 76-78 2019
12.	Kurukku marunnu: a nutritional post-delivery medication Practiced by the ulladan tribal community of Kerala, India	<i>Journ.Econ. Taxon.Botany</i>	Vol.43 (1-4) 79-81 2019
13.	Assessment of nutritional relevance of diplazium esculentum by qualitative phytochemical and overall protein profiling	<i>Plant Archives</i>	Vol. 21 (2) 137-142 2021

Research project

Subject	Name of funding Agency	Sanctioning Year	Remarks
Botany “Phytochemical analysis of Ethnomedicinally important plant – <i>Mukia maderaspatana</i> ”	University Grants Commission (UGC)	2011	Project successfully completed and final report submitted.

Orientation/ Refresher

Programme	Subject	Period	Organizer/Place
Orientation Course	IT Oriented	14 th June-11 th July 2012	UGC ASC, University of Kerala, Thiruvananthapuram
Refresher Course	Summer school (Interdisciplinary)	23rd July-13 th August 2018	UGC ASC, University of Kerala, Thiruvananthapuram
Refresher Course	Life Sciences	3rd March-27 th March 2019	UGC HRDC, Bangalore University, Bangalore
Two-week FDP	Managing Online Classes and Co Creating MOOCs: 2.0 (Online mode)	18 th June - 3 rd June 2020	Teaching Learning Centre, Ramanujan College, New Delhi Ministry of Education, PMMMNMTT (Govt. of India approved scheme for teacher education)
Refresher course	Research Methodology: Tools and Techniques (Online mode)	7 th July-20 th July 2020	UGC HRDC Mizoram University, Aizawl UGC STRIDE scheme
One week FDP	Online Education in Higher Education Institutions	13 th - 17 th July 2020	The Kerala State Higher Education Council
UGC STRIDE Advanced Training program	Research Methodology: Statistical Tools for Data Analysis and Interpretation	22 September - 09 October, 2020	UGC STRIDE program (component 1) Mizoram University, Aizawl
Two-week MOOC workshop for college teachers	Management of Environment and its Resources	19 th May – 1 st June 2020	Department of Chemistry & Research Nesamony Memorial Christian College, Marthandam St. Xaviers College, Palayamkottai, Tirunelveli
Online Refresher Course	Biological Sciences	9 th to 22 nd December 2021	UGC-HRDC Kannur University
Online Certificate Course Cum Workshop	Open-Source Tools For Research	11 th - 20 th March 2022	Sanatan Dharma College, Ambala Cantt
Two-week Refresher Course (Multidisciplinary)	Environmental Science	13 th – 26 th July 2022	UGC HRDC University of Calicut

Conference/Seminar/Symposia/Workshop attended.

No	Name of Conference/Seminar Symposia/Workshop, etc.	Organizer	Place and Date
International			
1	24 th Annual conference of IAAT and International conference on Trends in Plant Systematics.	Indian Association of Angiosperm Taxonomy (IAAT)	Bharathidasan University Thiruchirappalli 31 st Oct- 2 nd Nov 2014
2	International Symposium on Plant Taxonomy and Ethnobotany	Botanical Survey of India	BSI, Kolkata 13 th -14 th February 2020
National			
1	One day orientation programme to the teaching staff of the colleges on the Regulations of Choice Based Credit and Semester System	University of Kerala	December 4, 2009 S. D. College, Alappuzha
2	National Conference on Wetlands – a Multidisciplinary Approach	St. Joseph's College	Alappuzha 28 – 29 January 2010
3	Workshop on Wetland Conservation	S.D. College	Alappuzha 5 th February 2010
4	UGC Sponsored Workshop Capacity Building for Women Managers in Higher Education – Assistant to the Local Coordinator	Women cell, S.D. College	Alappuzha 14 – 18 September 2010
5	UGC Sponsored Workshop Capacity Building for Women Managers in Higher Education	women cell, S. D. College	Alappuzha 06-10 February 2012
6	National seminar on “Emerging nanoscience and its Future in Biology”	Department of Zoology and Aquaculture St. Aloysius College Edathua	Edathua, Alappuzha 21-23 August 2012
7	National seminar on Ethnic Knowledge of Biological Resources in Contemporary Plant Sciences.	Sree Narayana College for Women, Kollam.	Kollam. 28-29 August 2014
8	XLII All India Botanical Conference of the Indian Botanical Society and National Symposium on ‘Innovations and Inventions in Plant Science Research’	Indian Botanical Society and University of Calicut	University of Calicut 6 th -8 th November 2019
State Level			
1	6 Day Kerala Biotechnology Commission sponsored short term training programme on Tools & Techniques in Molecular Biology and Bioinformatics	Department of Biotechnology, CUSAT, COCHIN	14 – 19 February 2011
1	One Day Seminar on Intellectual Property Rights	S.D. College, Alappuzha	11 th February 2010
2	One day Hands on Training in Bioinformatics	St. Joseph's College for Women, Alappuzha	19 th February 2019

3	One day training in “Citizen Science Programme”	ICAR- Central Marine Fisheries Research Institute, Ernakulam	5 th August 2019
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Seminar/Conference/Symposium organized.

International symposium

International Symposium on Recent Approaches in Plant Taxonomy and Ethnobotany (Organizing Secretary)	Department of Post Graduate Studies and Research in Botany in collaboration with KSHEC	Online 4 th -5 th November 2020
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Organized following seminars as **Bhoomitrasena Coordinator:**

01. One day seminar on National Pollution Prevention Day (18/01/2019)
02. One day seminar on World Soil Day (28/01/2019)
03. One day seminar on World Wetland Day (02/02/2019)
04. One day seminar on Forest and Wildlife (20/11/2019)
05. Conducted One day seminar on World Soil Day. Constituted an award, ‘Bhoomitra Award’ for citizens who contribute towards conservation of rare species (05/12/2019)
06. Conducted One day seminar on World Wetland Day (11/02/2020)

Paper presentations

International

1	24 th Annual conference of IAAT and International conference on Trends in Plant Systematics. “A study on few traditional mother care plants used by the Ulladan Tribal Community of Kerala State.”	Indian Association of Angiosperm Taxonomy (IAAT)	Bharathidasan University Thiruchirappalli 31 st Oct- 2 nd Nov 2014
2	International Symposium on Plant Taxonomy and Ethnobotany “Traditional Postpartum Maternal Care Practiced Amongst Ulladan Tribal Community”	Botanical Survey of India	BSI, Kolkatta 13 th -14 th February 2020

National

1	National seminar on Ethnic Knowledge of Biological Resources in Contemporary Plant Sciences. “A study on traditional post-delivery medicated bath practiced among the Ulladan Tribal Community of Kerala”	Sree Narayana College for Women, Kollam.	Kollam. 28-29 August 2014
2	XLII All India Botanical Conference of the Indian Botanical Society and National Symposium on ‘Innovations and Inventions in Plant Science Research’ “Kurukkumarunnu- A unique nutritional post-delivery medication practiced by the Ulladan tribal community of Kerala state”	Indian Botanical Society and University of Calicut	University of Calicut 6 th -8 th November 2019

Invited Talks

1. Invited lecture during environmental day celebrations for school children. Lecture on environment day celebrations as **Key speaker on 5th June,2014** at VHSS, Pallipad.
2. Invited lecture during environmental day celebrations for school children. Lecture on environment day celebrations as **Key speaker on 4th June,2016** at VHSS, Pallipad
3. **Lecture** on Intellectual Property Rights on 20.10.2020 in the Short term course on ‘Research Methodology for Science’ (16-22 October, 2020) organized by the UGC-Human Resource Development Centre, Doctor Harisingh Gour Vishwavidyalaya, Sagar (MP).
4. **Invited talk** on Intellectual Property Rights at Virtual International Conference on Multidisciplinary Research Trends (VICMRT 2020) jointly organized by Nehru Yuva Kendra, Thiruvananthapuram and Sarovaram Center for the promotion of National Integration and Community Development, held on 21, 22 and 23 November 2020.

