



**DR. Hima R**  
Associate Professor of Botany

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## ADMINISTRATIVE DISTINCTION

### Residence

'Aurovindam',

Near old Mamom Bridge,

Mamom, Attingal 695104

[himaramachandran@gmail.com](mailto:himaramachandran@gmail.com)

### QUALIFICATION

**Ph. D in Botany**

**B.Ed.** Natural Science

**MSc. in Botany**

**MEd.**

**NET (CSIR)**

- Member of Board of Studies, University of Kerala 2024 till date.
- Chairman- Board of Examiners. University of Kerala
- Member-College Council
- Member -IQAC (2019-23)
- Co-ordinator -CLMC (2019 - '20)
- Co-ordinator - Counselling cell
- Co-ordinator - Nature club

### Research Topic

Topic: Phytoextraction of Heavy metal cadmium: Studies on physiology and phytochemistry of *Capsicum annum* L.

**DATE OF JOINING : 22.06.2005**

### EXPERIENCE IN YEARS

19 years

### AREA OF SPECIALIZATION

- Phytochemistry

## ▪ **PAPER PRESENTATIONS**

- Presented a paper entitled ‘Localization of Glutathione in *Capsicum*’ in the Three Day National Seminar organised by PG Department of Biotechnology and Department of Botany, Government Arts College, Tvm and co-sponsored by KSCSTE from 25th to 27th November, 2019.
- Presented a paper entitled ‘Effect of Cd on Germination and Seedling growth of *Capsicum annuum* (L.) Var. Vellayaniathulya’ in the National Seminar organised by Mahatma Gandhi College, Tvm and co-sponsored by KSCSTE on 15th and 16th of March 2019.
- Presented a paper entitled ‘A study of some common alien invasive plants at Attingal’ in the National Seminar organised by Department of Botany , S N College for Women, Kollam & funded by KSCSTE on 18/01/2018.
- Presented a paper entitled ‘Chlorophyll and protein content of *Capsicum* in response to cadmium concentration’ in the National Seminar on Recent Trends and Future Prospects of Biodiversity and Conservation (15-16 March 2012).

## ▪ **PARTICIPATION IN SEMINARS/ CONFERENCES/ WORKSHOPS**

1. Participated in the 5 days online Bridge course ‘ Oils and Fats from plants- Future Prospects’ held in Google Platform at KSCSTE- JNTBGRI from 26/07/2021 to 30/07/2021.
2. Successfully Completed the one week online Short Term Faculty Development Programme on ICT Tools for Teaching Learning Process- Post Pandemic Educational Strategies’ organised by the Department of Physics & IQAC, S N College, Kollam in collaboration with the Kerala State Higher Council from 17/08/2020 to 23/08/2020
3. Participated in the International Webinar on ‘ Intellectual Property Rights(IPR)organised by the Albertian Centre for Human Resource Development and Research, St. Albert’s College, Ernakulam on 15/05/2020
4. Successfully completed 7 day online course ‘ Online Teaching – Learning for Beginners’ from 14/05/2020 to 21/05/2020 organised by the Department of Physics, KKTM Government College, Pullut.
5. Participated in the webinar on ‘Writing a Winning Project Proposal’organised by Mar Athanasius College, Kothamangalam on 11/05/2020
6. Participated in the national webinar on ‘Rethinking Evaluation’ organised by the Albertian Centre for Human Resource Development & Research, St. Albert’s College on 29th April 2020

7. Successfully completed the five day online hands-on workshop on Using Google Classroom: effective Teaching Techniques from from 27th April to 1st May 2020 conducted by
8. Participated in KSCSTE sponsored two day Workshop on Research Skills and Methods organized by the Department Geology on 21st & 22nd January, 2019.
9. Participated in the National Seminar on Bioinformatics organized by the Department Zoology from 5th – 7th March, 2018.
10. Three day National Workshop on ‘ Research Methodology on December 18th 19th and 20th 2017 organized by PG & Research Dept. of Economics, SNC, Varkala in association with University of Kerala.
11. GMF National Seminar on “Modern Trends in Conservation, Utilisation and Improvement of Plant Genetic Resources” organized by Department of Botany, University of Kerala, Kariavattom on November 23-24, 2017.
12. National Seminar on The Impacts of ‘Climate change on Natural Resources’ organized by Department of Botany, BJM College,Chavara and sponsored by Directorate of Collegiate Education,Thiruvananthapuram on 21 & 22 November 2017.
13. Two day Hands on Workshop on “Molecular biology and Bioinformatics” organized by Department of Zoology, BJM College,Chavara and sponsored by Directorate of Collegiate Education,Thiruvananthapuram on 8th & 9th November 2017.
14. Participated in the National Seminar on Phytochemistry and Pharmacognosy organized by the PG Department and Research centre, Government College for Women, Tvm. From 4th – 6th October, 2017.
15. Participated & acted as organizing committee member in the One day Seminar on ‘Modern approaches to Environmental issues’ on 9th June 2016 by the Botany Dept., SNC, Varkala & Sponsored by (KSCSTE)
16. Participated in the National Workshop on ‘ Statistical Applications in Biology’ on February 11th and 12th 2016 organized by Dept. of Zoology, SNC, Varkala in Collaboration with Dept. of Aquatic Biology and Fisheries & Sponsored by UGC.
17. Participated in the National Seminar on ‘Advancement of Biosystematics on Biodiversity Conservation’ on 8th and 9th October 2015 conducted by the Dept. of Botany, SNC, Varkala & Sponsored by UGC & Co- sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE)
18. Participated in the National Workshop on ‘Biogeochemistry’ (27- 28 March, 2014) by Dept. of Environmental Sciences, University of Kerala.

19. Participated in the two day National Seminar on Coping with Academic Stress- Need of the Hour (20- 21 Feb.2014) by Dept. of Home Science, S.N.C.W., Kollam.
20. Participated in the Seminar on 'Climate change and Food Security' (2013) by Department of Environmental Sciences, University of Kerala.
21. Participated in the Seminar on 'Sustainable Management of Fresh Water Resources: Greening the Blue' (2013) by Department of Environmental Sciences, University of Kerala.
22. Participated in the Workshop on Biotechnology in Industry- Achievements, potentials and challenges (18-20 February 2013) by CEPC-NAIP-ICAR PROJECT and Cashew Export Promotion Council of India.
23. National Workshop on Environmental Impact Assessment, (28-31 March 2012) by Department of Environmental Sciences, University of Kerala.
24. Participated in the National Workshop on 'Statistical tools for data analysis and Interpretation' 2011. (13-14 October) by Christ University, Nodal office, Thiruvananthapuram
25. Participated in the 23rd Kerala Science Congress ( 29-31 January 2011) held at Centre for Earth Science Studies, Akkulam, Tvm.

#### **INVITED LECTURES AS RESOURCE PERSON**

NIL

#### **PUBLICATIONS IN BOOKS OR JOURNAL OR WEBSITES**

1. **Hima Ramachandran and Salom Gnana Thanga Vincent** (2022). Bioaccumulation of cadmium in *Capsicum annum* L. International Journal of Botany Studies.7 (7): 97-101.
2. **Hima R** (2019). Inhibitory Effect Of Cadmium On Germination And Growth Of *Capsicum annum* Var. Vellayaniathulya. Journal of Advances in Biological Science 1(6) :11-14
3. **Hima Ramachandran, Salom Gnana Thanga Vincent** (2013). Biochemical Responses of *Capsicum annum* Under Cadmium Stress. International Journal of Environmental Monitoring and Analysis. 1(3), 2013: 99-104.

#### **MEMBERSHIP IN PROFESSIONAL BODIES**

NIL

**OTHER ACHIEVEMENTS - NIL**

**Orientation/Refresher/Short term Course/Workshops attended:**

<b>Name of the Course /Summer School</b>	<b>Place</b>	<b>Duration</b>	<b>Sponsoring Agency</b>
UGC-sponsored Short term course in Student Counselling and Mentoring	UGC Human Resource Development centre, University of Kerala	24.10.2018 to 31.10.2018	UGC
UGC-sponsored Short term course in Research Methodology	UGC Human Resource Development centre, University of Kerala	22.02.2018 to 28.02.2018	UGC
UGC Sponsored Special Summer School (Multidisciplinary Refresher course)	UGC Human Resource Development centre, University of Kerala	14.10.2016 to 03.11.2016	UGC
Refresher Course in Environmental Science	ASC, University of Kerala	24.02.2009 to 17.03.2009	UGC
Orientation Course (IT oriented)	ASC, University of Kerala	17.04.2007 to 14.05.2007	UGC

**RESEARCH OUTPUT**

- Research publications in National and International Journals in UGC care list and also in peer reviewed journals.

**CITATIONS AND INDEXING, IF ANY****▪ JOURNAL CITATIONS****▪ INDEXING (h-INDEX)**