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Dr. REENA ROY D

Guest Faculty

Department of P.G.Studies and Research in Applied Botany

Kuvempu University, Shankaraghatta – 577451,

Shivamogga, Karnataka, India.

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Personal Profile

Father's name : V.V. Dharmmadheeran (Late)

Mother's name : K. Santhamma

Husband's name : P B Deviprasad

Date of Birth : 20-03-1981

Religion : Hindu

Address : "Shivaganga", Parvathamma Layout,
4th Cross, Bommankatte Road,
Shivamogga, PIN: 577201

Education

Ph.D (Botany)

Kuvempu University

Department of P.G. Studies and
Research in Applied Botany
Shankaraghatta,
Shivamogga(Dist), Karnataka

Specialization : Mycology, Mushroom Biology
Research Guide : **Dr. M. Krishnappa Ph.D.**
PhD course work (%) : 72.33%
Thesis title : “Bioprospecting of *Macrocybe gigantea*(Massee) Pegler& Lodge and *Lentinussquarrosulus* Mont. of Sahyadri Hills in Karnataka”
Year of award : 27-12-2019

M.Phil

(Applied Botany)

Kuvempu University

Department of P.G. Studies and
Research in Applied Botany
Shankaraghatta,
Shivamogga (Dist), Karnataka

Specialization : Mycology and Plant pathology
Research Guide : **Dr. M.B. Shivanna Ph.D.**
Aggregate (%) : 81.5%
Dissertation title : “Bio-Prospecting of certain oil seed cakes for the biological management of seed borne diseases of crop plants”
Year of award : 29-06-2009

MSc

(Applied Botany)

Kuvempu University

Department of P.G. Studies and
Research in Applied Botany
Shankaraghatta, Shivamogga (Dist), Karnataka

Project Specialization : Mycology
Project Guide : **Dr. M.B. Shivanna Ph.D.**
Aggregate (%) : 76.04%
Project title : “Effect of certain solvent fractions of edible botanicals on the storage fungi of crude herbal drugs”
Year of passing : 2007

**BSc(Botany)
(CBZ)**

Mahatma Gandhi University

Department of Botany,
CMS College
Kottayam (Dist.), Kerala

Project Guide : **Prof. Abraham C. Mathew MSc.**
Project specialization : Plant anatomy
Aggregate (%) : 73.6%
Project title : “Anatomical features of petioles of
some mesophytes”
Year of passing : 2002

**PLUS TWO
(Science)**

Board of Higher Secondary Examination, Kerala

Iqbal Higher Secondary School, Ajanur, Kanhangad,
Kasaragod (Dist), Kerala

Aggregate : 54.88%
Year of passing : 1998

S.S.L.C

Board of Public Examination, Kerala

Durga Higher Secondary School, Kanhangad,
Kasaragod (Dist), Kerala

Aggregate (%) : 62.33%
Year of passing : 1996

Teaching Experience

Contents

1. University teaching experience
2. College level teaching experience

1. University Teaching Experience

Institution/ University	Teaching Duration	Nature of service/ Workload alloted	Course / Subjects handled
Department of P.G. Studies and Research in Applied Botany	1-08-2008 to 31-05-2012 (4 Years)	12hrs/week	PGDMP(regular) (Evening course) 1. Medicinal and Aromatic Plants. 2. Ethnobotany and Traditional systems of Plant Medicine, 3. Pharmacology, Pharmacognosy and Phytochemistry. 4. Conservation of Medicinal Plants and IPR.
Department of P.G. Studies and Research in Applied Botany	1-08-2012 to 31-05-2013 1-08-2013 to 30-04-2014 13-08-2014 to 31-05-2015 1-08-2015 to 31-05-2016 1-08-2016 to 31-05-2017 12-11-2020 to 30-08-2021 16-12-2021 to 15-10-2022 22-12-2022 to 16-10-2023 4-01-2024 to Till date Total experience: 13 Years	Full time 16hrs/ week	M.Sc (Regular)
Department of P.G. Studies and Research in Applied Botany	2008 to 2012 2014 to 2017 2020, 2022,2023	April/ May (21 days Theory and Practical Classes)	MSc Distance Education

2. College Level Teaching Experience

Institution/ University	Teaching Duartion	Nature of service/ Workload allotted	Course / Subjects handled
Department of Botany, Sir M V Government Science College, Bommanakatte,Bhadravathi, Shivamogga	20-07-2019 to 18-12-2019 (5 months)	10hrs/week	I,II & III BSc (CBZ)

Research Experience

Doctoral Research Program, Department of P.G. Studies and Research in Applied Botany, Kuvempu University, Shankaraghatta, Shivamogga

Doctoral thesis research (Ph.D) conducted with **Dr. Krishnappa M.** The study was aimed to evaluate the bioprospecting of two wild edible macrofungi *Macrocybe gigantea* and *Lentinus squarrosulus* with proper scientific identity and thereby strongly recommended for use of these mushrooms for health promotion. Moreover, the study provides supportive data for future investigations that might lead to their use in pharmaceutical industries.

MPhil Research Program, Department of P.G. Studies and Research in Applied Botany, Kuvempu University, Shankaraghatta, Shivamogga

MPhil research program conducted with **Dr. Shivanna M B.** Investigated use of certain oil seedcakes for application against seedborne diseases of chilli and sorghum and hence can be recommended for plant growth.

Post Graduate research project, Department of P.G. Studies and Research in Applied Botany, Kuvempu University, Shankaraghatta, Shivamogga

MSc dissertation project conducted with **Dr. Shivanna M B.** The study was focused on the antifungal properties of five edible botanicals viz., ginger, garlic, turmeric, hing and baje, among which high and baje exhibited promising antifungal properties and therefore recommended as a dressing substance of crude herbal drugs before storage.

Graduate Research project, Department of Botany, CMS College, Mahathma Gandhi University, Kottayam (Dist.), Kerala

BSc project work conducted with **Prof. Abraham C Mathew** on “Anatomical features of Petioles of Some Mesophytes”.

Publications

Research papers published in International Journals:

Four research papers pertaining to my PhD work was published in four different peer reviewed journals, approved by University Grants Commission (UGC) and Scopus Indexed.

Reena Roy D *, ShivanandaKandagalla, VinuKrishnappa, RizwanaAbid, KumaraswamyMalleshappaHonnenahally, KrishnappaMadapa(2022). Novel Insights into the Bioactive Metabolites of *Macrocybe gigantean* (Agaricomycetes), Using Gas Chromatography Mass Spectrometry (GC-MS) Combined with Chemoinformatics Approaches. *International Journal of Medicinal Mushrooms*. DOI: 10.1615/IntJMedMushrooms.2022042814.

***Corresponding author**

Impact Factor: 1.4

Reena Roy D*, ShivanandaKandagalla, Krishnappa M (2019). Exploring the ethnomycological potential of *Lentinussquarrosulus* Mont.through GC-MS and chemoinformatics tools. *Mycology*. 11(1):78-89. DOI: 10.1080/21501203.2019.1707724 (Publisher: Taylor and Francis, United Kingdom)

***Corresponding author**

Impact Factor: 4.6

Citations: 14

Roy D R and Krishnappa M(2018). Mycochemical profiling of *Lentinussquarrosulus* Mont., a wild edible macrofungi using GC-MS. *International Journal of Pharmaceutical sciences and Research*. 9(10): 4349-4354.

Citations: 12

Roy D R and Krishnappa M(2018). Influence of solid media on growth of mycelia and antibacterial activity of wild macrofungi, *Macrocybe gigantea*. *International Research Journal of Pharmacy*. 9(9): 177-181.

Citations: 1

Technical Experience

Mushroom Biology: Mushroom culture (tissue and spore culture), cultivation.

Microbiology: Isolation and identification of pure microbial samples from different sources.

Pharmacology: Extraction, purification and characterization of chemical constituents.

Biophysical method: General experience with colorimeter and spectrophotometer

Preparation of Ayurvedic formulations

Scientific Presentations

Papers presented in International and National conferences

1. Participated for oral presentation entitled “Metabolite profiling and pharmaceutical potential of *Lentinus squarrosulus* from central Western Ghats of Karnataka” in the International Conference on Plant Biotechnology for Sustainable Productivity and Environment” held at Manipal School of Life Sciences, Manipal Academy of Higher Education, Manipal, Karnataka, India on 9th and 10th December, 2024.
2. Presented a Poster entitled “Screening of *Lentinus squarrosulus* Mont for its profound activities” during 27th and 28th of April 2017 in “National Symposium on Mushrooms: Trends and Innovations in Mushroom Science” organized jointly by Mushroom Society of India and ICAR- Directorate of Mushroom Research at ICAR-DMR, Solan, Himachal Pradesh, India.
3. Presented a Poster entitled “Evaluation of *Lentinussquarrosulus* Mont for its biochemical activities” in “National Conference on Biosciences Present Scenario of Flora and Fauna” (NCB-2017) organized by Department of Botany and Seed Technology, Sahyadri Science College (Auto), Shivamogga, Karnataka, India during 27th and 28th of March 2017.
4. Presented a poster entitled “Survey on Potential Macrofungi in Sahyadri Hills of Karnataka”, in DBT, New Delhi sponsored two days National Seminar on “Frontier Research in Diversity and Taxonomy of Medicinal Plants” organized by Biological Science Departments, Kuvempu University, Shankaraghatta, Shivamogga, Karnataka, India during 4th -5th November 2016.
5. Participated for young scientist award (Oral presentation) in National Seminar on “Biodiversity: for Human Welfare” during 7th – 8th April, 2010, organized by Department of Studies and Research in Microbiology, Madikeri, Kodagu, Karnataka, India.

National Conference Attended

1. Participated in the 9th NABS National Conference on “New Biological Researches: opportunities and Challenges for Sustainable Development” organized by School of Energy, Environment and Natural Resources, Madurai Kamraj University, Madurai and National Academy of Biological Sciences(NABS), Chennai, Tamil Nadu, India on August 11th and 12th August 2016.
2. Participated in one day National Seminar on UGC sponsored “Current Trends in Biotechnology Research” on 31st March, 2016 organized by Department of Biotechnology and Bioinformatics, Kuvempu University, Karnataka, India.
3. Participated in two days National Seminar on “Progress in Biomedical Research and its Impact on Human Health”, organized by Department of P. G. Studies and Research in Biochemistry, Kuvempu University, India on 2nd and 3rd April 2012.
4. Participated in two days National Conference during 21-03-2011 to 22-03-2011 on “Biodiversity and Biotechnology for Sustainable Development” organized by P.G. Department of Studies in Botany, Karnatak University, Dharwad, Karnataka, India.
5. Participated in “Wildlife Lovers Meet”, jointly organized by Western Ghats Task Force in Karnataka, Forest Division and Department of Environmental Science, Kuvempu University on 10th July, 2010 at Kuvempu University, Karnataka, India.
6. Participated in 32nd All India Botanical Conference and International Symposium on :Diversity of Plants and Microbes: Present Scenario” organized by Department of Post Graduate Studies and Research in Applied Botany, Kuvempu University, Shankaraghatta, Karnataka, India during, 28th – 30th December 2009.

Workshop / Training programme attended

1. Participated in Science Academies Lecture Workshop (SALW) “Role of Plant Taxonomy in Conservation of Biodiversity” organized by Department of Applied Botany, Kuvempu University on 10th and 11th November 2016.
2. Participated training under “Skill training of Rural Youth” (STRY), sponsored by Ministry of Agriculture and Farmer Welfare, Government of India in the skilling area “Mushroom Production Technology” from 25.06.2018 to 30.06.2018.
3. Participated Biodiversity awareness workshop on “Diversity and Importance of Lichens in the Western Ghats, “organized by CSIR – National Botanical Research Institute (NBRI), Lucknow and Kuvempu University, Karnataka, held on 26th March 2019.

References

1. **Dr. Raja Naika**
Professor and Chairman
Dept. of P.G. Studies and Research in Applied Botany
Kuvempu University
Shankaraghatta, Shivamooga(Dist)
Karnataka, India
rajump.nayak@gmail.com
Mobile : 9663782982

Declaration

I hereby declare that all the above information given is true to my best knowledge.

Place:Shivamogga
Date:

Yours faithfully

Reena Roy D