



Name : Dr. Sushama Raj R V
Designation : Associate Professor
Department : Botany
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ORCID ID : <https://orcid.org/0009-0006-1270-9588>
VIDWAN ID : <https://vidwan.inflibnet.ac.in/profile/535511>

Education

Ph D (2011), University of Kerala
M Sc (2000), University of Kerala: 72.5%
B Sc (1998), University of Kerala: 92.8%
B Ed (2001), University of Kerala: 71.8%

Expertise

Plant Systematics, Phytochemistry and Medicinal plants, Pollen Allergy and ICT Enabled Teaching.

Work Experience

04/06/2024 to Till Date

Associate Professor (Academic Level 13A), Department of Botany, VTM NSS College, Dhanuvachapuram

04/06/2021 to 03/06/2024

Assistant Professor (Academic Level 12), Department of Botany, VTM NSS College, Dhanuvachapuram

07/06/2019 to 03/06/2021

Assistant Professor, Department of Botany (Academic Level 11), Department of Botany, VTM NSS College, Dhanuvachapuram

05/06/2018 to 06/06/2019

Assistant Professor, Department of Botany (Academic Level 11), PG Department and Research Centre of Botany, Mahatma Gandhi College, Thiruvananthapuram

04/06/2016 to 04/06/2018

Assistant Professor, Department of Botany (Academic Level 11), Department of Botany, HHMSPB NSS College for Women, Neeramankara

04/06/2012 to 03/06/2016

Assistant Professor, Department of Botany (Academic Level 10), Department of Botany, HHMSPB NSS College for Women, Neeramankara

Awards and Achievements

Council of Scientific and Industrial Research (CSIR)-JRF(NET), June 2009
University 2nd Rank-Holder for M.Sc. in 2000

Membership in Professional Bodies

Kerala Academy of Sciences (KAS).
Society of Pharmacognosy and Phytochemistry (SPAP).
Indian Association of Angiosperm Taxonomy (IAAT).
Society of Innovative Researchers and Academicians (SIRA).
UNIBOTANICAA

Sponsored Research Projects

NIL

Details of Ph.D. Guideship

Approved Research Guide, University of Kerala
Number of Ph.D. students - 04 (ongoing)

Patent

NIL

Research Publications

1. **Sushama Raj, R. V.**, R. Prakashkumar, T. V. Gopi. And C. S. Ghosh. 2005. Aerobiological and clinical correlation of pollen grain sensitivity among Keralites. *J. Poll. Res:* 24 (4): 843 – 847.
2. **Sushama Raj, R. V.** and Prakashkumar, R. 2014. Palm pollen grain sensitivity in Kerala. *J. Advances in Biological Science:* 1 (1): 1-4. ISSN No. 2394 – 7837.
3. **Sushama Raj, R. V.** 2015. Allergic evaluation of *Cynadon dactylon*, L. among Keralites. *J. Advances in Biological Science:* 2 (1 & 2): ISSN No. 2394 – 7837.
4. **Sushama Raj, R. V.** and Rajeswari, L. 2016. Preliminary Phytochemical Screening of *Vitex negundo*, Linn. *J. Advances in Biological Science:* 3 (1 & 2): 11 – 14. ISSN No. 2394 – 7837.
5. **Sushama Raj, R. V.** 2017. Preliminary Phytochemical Screening of *Lantana camara*, L. *Annals of Plant Sciences:* 6 (11): 1794 – 1798. ISSN No. 2287 – 688X.
6. **Sushama Raj, R. V.** and Prakashkumar, R. 2018. Allergic evaluation of *Roystonea regia* (Kunth.) O. F. Cook. among Keralites, India. *Annals of Plant Sciences:* 7 (2): 2063-2066. ISSN No. 2287 – 688X.
7. **Sushama Raj, R. V.** and Rajeswari, L. 2018. Preliminary Phytochemical Screening of *Sida Rhombifolia*, L. *Trends in Biosciences:* 11 (07): 1206 – 1211. ISSN No. 0974 – 8431.
8. **Sushama Raj, R. V.** 2018. Influence of Various parameters in eliciting Pollen Grain sensitivity with reference to Palm pollen grains. *Trends in Biosciences:* 11 (10): 2031 – 2035. ISSN No. 0974 – 8431.

Research
Publications

9. **Sushama Raj, R. V.** and Prakashkumar, R. 2018. Identification of IgE binding fractions of *Oreodoxa regia* pollen allergen. *J. Advances in Biological Sciences*: 5(1):07 – 10. ISSN No. 2394 – 7837.
10. **Sushama Raj, R. V.** and Prakashkumar, R. 2018. Evaluation of hypersensitivity due to *Peltophorum pterocarpum*, (DC) K. Heyne. pollen grains using Intradermal skin testing. *J. Advances in Biological Science*: 5(1): 20 – 27. ISSN No. 2394 – 7837.
11. **Sushama Raj R. V.**, Varughese P. M., Rajeswari L, Aswathy V. Nair and Megha Satheesan. 2018. Morphological and Biochemical comparison of three species of Sida. *Sida cordifolia*, L., *Sida acuta*, Burm. F. and *Sida rhombifolia*, L. *J. Advances in Biological Science*: 5(2): 08 – 12. ISSN No. 2394 – 7837.
12. Geetha S. and **Sushama Raj, R. V.** 2018. Importance of Ayurveda in Sports Medicine A Review. *J. Advances in Biological Science*: 5(2): 33 – 35. ISSN No. 2394 – 7837.
13. **Sushama Raj R. V.** 2019. Primary Phytochemical investigation of *Sphagneticola trilobata* (L) Puruski. *Journal of Pharmacognosy and Phytochemistry*: 8(1): 968 – 971. ISSN No. 2278 – 4136.
14. **Sushama Raj R. V.**, Sumitha V. R. and Sreeja Thankappan. 2019. Effect of “Lakshmi Taru” (*Simarouba glauca*, DC.) leaf extracts on germination and seedling growth of Cow Pea (*Vigna unguiculata*, (L.) Walp.). *Journal of Pharmacognosy and Phytochemistry*: 8(1): 1488 – 1491. ISSN No. 2278 – 4136.
15. Ashida. S., Prabhakumari. C., **Sushama Raj R.V.** and P. Nusaifa Beevi. 2019. Chromatographic isolation of terpenes and glycosides from leaf extracts of *Simarouba glauca*. *J. Advances in Biological Science*: 6(1): 06 – 10. ISSN No. 2394 – 7837.
16. **Sushama Raj R. V.** and Megha Satheeshan. 2019. Allelopathic effect of *Vitex negundo*, leaf extracts on cow pea. *J. Advances in Biological Science*: 6(1): 19 – 22. ISSN No. 2394 – 7837.
17. Aswathy V. Nair. and **Sushama Raj R. V.** 2019. Phytochemical analysis on the leaf extracts of *Sida cordifolia*. *J. Advances in Biological Science*: 6(2): 05 – 09. ISSN No. 2394 – 7837.
18. S. Ashida, P. Nusaifa Beevi, **R V Sushama Raj** and C Prabhakumari. 2022. Qualitative Detection of Triterpenes and Quantification of Betulinic Acid from Hexane Extract of *Simarouba glauca* Leaves by Gas Chromatography-Mass Spectrometry and High-Performance Thin Layer Chromatography. *Indian J Pharm Sci.*: 84(6):1380-1388. ISSN No. 0250-474X.
19. Mithraja. MJ , Dr.Kavitha K R and **Sushama Raj R V.** 2023. Studies on grass diversity of the tribe *Panicaceae* (*Panicoideae*, *Poaceae*) in Kerala. *International Journal for Research Trends and Innovation*: **8 (12):81-83**. ISSN No. 2456-3315.

Research
Publications

Books/
Chapters in
Book

20. M J Mithraja, K. R Kavitha, **R. V. Sushama Raj**. 2023. The Spikelet variations of the genus *Echinochloa* P. Beauv (*Poaceae, Panicoideae, Paniceae*) in Kerala. *International Journal of All Research Education and Scientific Methods*: **11 (12):92-94**. ISSN No. 2455-6211.
 21. Varughese P.M. and **Sushama Raj R.V.** 2023. A Comprehensive Study on Teak Wood Sourced from Various Regions of Kerala. *Phytomorphology*. 73(3&4): 55-65. ISSN No. 0031-9449.
 22. M J Mithraja, K. R Kavitha, **R. V. Sushama Raj**. 2024. Traditional Knowledge of Indigenous millets belongs to the Tribe Paniceae (*Poaceae, Panicoideae*) used by the Tribal communities of Attappady (Palakkad Dt.) in Kerala. *Bulletin of Environment, Pharmacology and Life Sciences*: **13(5)**. ISSN No. 2277-1808
-
1. **Sushama Raj, R. V.** 2017. Walk with a Scholar: A different perspective of Mentoring in Higher education. *Counselling and Mentoring for 21st Century Learners*. UGC-HRDC, University of Kerala, Thiruvananthapuram. 309 – 315. ISBN No. 978-81-908006-6-2.
 2. **Sushama Raj, R. V.** 2018. Learning Management systems – A review. *Proc. Of the Two day national seminar on “Teaching Learning Platforms for Digital Natives”*. Better Books, Thiruvananthapuram. Editors : Prof. (Dr.) S. V. Sudheer, Dr. T. V. Bindu and Dr. T. C. Thankachan. 79 – 84. ISBN No. 978-81-908006-9-3.
 3. **Sushama Raj, R. V.** 2019. Child Marriages and Early Marriages: Causes and Consequences. *Women Empowerment: Contest and Concens*. Better Books, Thiruvananthapuram. Editor : Prof. (Dr.) S. V. Sudheer, 89 – 95. ISBN No. 978-81-908006-7-9.
 4. **Sushama Raj, R. V.** 2019. Biological diversity: An analysis of Indian and Kerala context. *People and Environment: Concerns and Challenges*. Better Books, Thiruvananthapuram. Editor : Prof. (Dr.) S. V. Sudheer, 197 – 204. ISBN No. 978-81-908006-7-9.
 5. **Sushama Raj R. V.** 2019. Types, Causes and biological implications of Flood: A review in Kerala Scenario. *Proc. Of the Two day national seminar on “Disaster and Crisis: Preparedness, Management and Resilience”*. UGC-HRDC, Thiruvananthapuram. Editor : Prof. (Dr.) S. V. Sudheer, 107 – 114. ISBN No. 978-81-9272201-7-3.
 6. **Sushama Raj, R. V.** 2020. Renewable Energy and Environment. *Sustainable Development: Goals Targets and Achievements*. UGC-HRDC, Thiruvananthapuram. Editor : Prof. (Dr.) S. V. Sudheer, 163 – 170. ISBN No. 978-93-85657-23-8.
 7. **Sushama Raj, R. V.** 2020. Digital Initiatives in Indian Higher Education: An Overview. *Higher Education in Indian Subcontinent: History, Diversity, Technology and Future*. Harshwardhan Publication Pvt. Ltd. Editor : Dr. Sameer Babu M., 137 – 146. ISBN No. 978-93-90384-34-4.

Invited Lectures

8. **Sushama Raj, R. V.** 2021. Children's Rights education and UN Convention on The Rights of the Child. *Redefining Child Rights for The Normal Society*. UGC-HRDC, Thiruvananthapuram. Editor : Prof. (Dr.) Sajid Ibrahim K. M., 77 – 81. ISBN No. 978–93–85657–24–5.
1. **Sushama Raj R. V.** 2016. Plants for Human Welfare. One day Workshop on “Medicinal Plants”. Dept. of English, H.H.M.S.P.B. N.S.S. College, Neeramankara, Thiruvananthapuram.
2. **Sushama Raj R. V.** 2017. Ayurveda and Sports. National Workshop on “Sports Culture towards Wellness”. Dept. of Physical Education, Govt. College, Nedumangad, Thiruvananthapuram.
3. **Sushama Raj R. V.** 2019. Innovation in Pedagogy. One Day Workshop on “Teaching, Learning & Evaluation: Changing Tolls in Pedagogical Innovations”. V.T.M. N.S.S. College, Dhanuvachapuram, Thiruvananthapuram.
4. **Sushama Raj, R. V.** 2019. Current trends in Science Education Research in India. Proc. Of the Three day national seminar on “Research Culture: Refinement in Quality Concerns”. Department of Education, University of Kerala, Thiruvananthapuram.
5. **Sushama Raj, R. V.** 2019. New Educational Architecture in Plant Sciences and its role in Nation Building. Proc. Two day National Seminar in “Parliamentary Democracy and Dynamics of Nation Building in India”. Department of Political Science, V.T.M. N.S.S. College, Dhanuvachapuram, Thiruvananthapuram.
6. **Sushama Raj R. V.** 2019. E – Learning Resources for Biological Sciences in Higher Education. Proc. NAAC sponsored National Seminar on “Challenges and Changes in AQAR and SSR Preparation”. IQAC, Sree Narayana College for Women, Kollam.
7. **Sushama Raj R. V.** 2020. Effective Curriculum delivery using Virtual Learning Environment Tools. IInd SIET Conference on Educational Technology (International). State Institute of Educational Technology & Department of Education, University of Kerala, Thiruvananthapuram.
8. **Sushama Raj R. V.** 2020. Environmental and Agricultural Implications of Flood. Two day national seminar on “Climate Change, Biodiversity Conservation and Sustainable Development: Challenges and Prospects in 21st Century, NCBS, 2020”. Mahatma Gandhi College, Thiruvananthapuram.
1. **Sushama Raj, R. V., R. Prakashkumar, T. V. Gopi. And C. S. Ghosh.** 2003. Aerobiological and clinical correlation of Aspergillus sensitivity among Keralites. 15th Kerala Science Congress. KSCSTE, Govt. of Kerala.

Articles in
Conference
Proceedings/
Poster/
Oral
Presentations

2. **Sushama Raj, R. V.** 2015. Preliminary phytochemical screening of *Pleurotus ostretus* (Oyster Mushroom) using different solvent extracts. ***Two day National Seminar on “Earn while you learn: Workshop on Mushroom Cultivation for College Students”***. HHMSPB NSS College for Women, Neeramankara.
3. Sushama Raj, R. V. 2015. Sacred grooves in India and their conservation. *National seminar on “Advancement of Biosystematics on biodiversity conservation”*. SN College, Sivagiri, Varkkala.
4. Sushama Raj, R. V. 2016. Nanotechnology and its applications in Medicine. *Two day UGC sponsored National seminar on “Recent developments in Inorganic nano materials”*. HHMSPB NSS College for Women, Neeramankara.
5. **Sushama Raj, R. V.** and Rajeswari, L. 2018. *Alternanthera philoxeroides* – A major and successful invader in wetland ecosystems. ***National seminar on “Conservation of wetland ecosystems for long term ecological security”***. SN College for Women, Kollam.
6. **Sushama Raj, R. V.** 2018. Evaluation of hypersensitivity due to *Peltophorum pterocarpum*, (DC) K. Heyne pollen grains using Intradermal skin testing. ***National Seminar on Interdisciplinary Approaches in Materials and Biological research (IAMBR 2018)***. Mahatma Gandhi College, Thiruvananthapuram.
7. **Sushama Raj, R. V.** 2018. Identification of Glutathione S - Transferase as a potent allergen in *Oreodoxa regia*, Kunth. pollen grains. ***National Seminar on Bioinformatics***. SN College, Sivagiri, Varkkala.
8. **Sushama Raj, R. V.** 2018. Learning Management systems – A review. ***Two day national seminar on “Teaching Learning Platforms for Digital Natives”***. St’ Thomas College for Teacher Education & SIRA. Pala, Kottayam.
9. **Sushama Raj, R. V.** 2019. E - Learning Management systems – A new platform for 21st Century learners. ***Two day national seminar on “ICT in Student – Centric learning – The way ahead in quality education”***. Fathima Matha National College, Kollam.
10. **Sushama Raj, R. V.** 2019. Mobile Learning (M – Learning): An emerging field in 21st century curriculum transaction. *International conference on “Be innovative, be proactive: Recent trends in teaching and learning, ICMCAS - 2019”*. Mannaniya College, Thiruvananthapuram
11. **Sushama Raj, R. V.** and Prakashkumar R. 2019. Identification of Elastase as a potent allergens of *Roystonea regia* (Kunth) O.F. Cook. pollen grains. ***“International seminar on Life Sciences for sustainable development: Issues and Challenges”***. Dept. of Botany, University College.

Articles in
Conference
Proceedings/
Poster/
Oral
Presentations

12. **Sushama Raj, R. V.** 2015. Preliminary phytochemical screening of *Pleurotus ostretus* (Oyster Mushroom) using different solvent extracts. ***Two day National Seminar on “Earn while you learn: Workshop on Mushroom Cultivation for College Students”***. HHMSPB NSS College for Women, Neeramankara.
13. **Sushama Raj R. V.** and Varghese P. M. 2020. Development of biomodelling databases of bio-active molecules in secondary wood samples of *Tectona grandis*, Linn. From highlands of Kerala. ***International Conference on “Recent Advances in Materials Science, ICRAMS, 2020”***. Mahatma Gandhi College, Thiruvananthapuram.
14. **Sushama Raj R. V.** and Megha Satheeshan. Effect of *Vitex negundo*, L. leaf extracts on germination of seedling growth of cow pea. Proc. Of the Two day national seminar on “Interdisciplinary Approaches in Materials and Biological Research, IAMBR, 2019”. Mahatma Gandhi College, Thiruvananthapuram. Editor : Prof. (Dr.) Sudha Devi. 19 – 22. ISBN No. 978–93–5351–662–8.
15. Aswathy V. Nair. and **Sushama Raj R. V.** Preliminary qualitative phytochemical analysis of *Sida cordifolia*, L. Proc. Of the Two day national seminar on “Interdisciplinary Approaches in Materials and Biological Research, IAMBR, 2019”. Mahatma Gandhi College, Thiruvananthapuram. Editor : Prof. (Dr.) Sudha Devi. 06 – 10. ISBN No. 978–93–5351–662–8.
16. Ashida. S., Prabhakumari. C., **Sushama Raj R.V.** and P. Nusaifa Beevi. Detection of terpene and glycosides from leaf extracts of *Simaroba*, DC. using TLC and column chromatography. ***Proc. Of the Two day national seminar on “Interdisciplinary Approaches in Materials and Biological Research, IAMBR, 2019”***. Mahatma Gandhi College, Thiruvananthapuram. Editor : Prof. (Dr.) Sudha Devi. 01 – 05. ISBN No. 978–93–5351–662–8.
17. Mithraja M. J., Kavitha K. R. and **Sushama Raj R. V.**, 2022. A Study of the Species *Axonopus compressus* (Sw.) Beauv. (Poaceae, Panicoideae) in Kerala. ***Proc. Of the National Seminar on “Biodiversity Conservation and Ecosystem Restoration”***. Fatima Mata National College, Kollam. Editors : Silvy Mathew., Jayalekshmi M., Sheeja T Tharakan. 180-183. ISBN No. 978–81–950842–9–6.
18. Mithraja M.J, Kavitha K.R, **Sushama Raj R.V.**, 2022. General characteristics of the tribe Paniceae (Panicoideae, Poaceae). ***Proc. Of the International Conference on Recent Research Trends in Physics, Chemistry Mathematics and Life Science”***. VTM NSS College, Dhanuvachapuram. Editor. Dr. V. M Ananda Kumar. 172 – 174. ISBN:978-81-956536-0-7.
19. Varughese P. M and Sushama Raj R. V. 2022. SBML as a Medium for the Representation the Data of the Mechanical and Biochemical Analysis of Wood Specimens of *Tectona grandis* Linn. ***Proc. Of the International Conference on Recent Research Trends in Physics, Chemistry Mathematics and Life Science”***. VTM NSS College, Dhanuvachapuram. Editor. Dr. V. M Ananda Kumar. 201 – 209. ISBN:978-81-956536-0-7.

Reviewer

Journal of the Saudi Society of Agricultural Sciences
Annals of Plant Sciences
International Journal of Bioassays
International Journal of Pharmacognosy and Phytochemistry Research

**Online Courses
completed
through
Coursera and
COL**

1. Completed Self learning online course on “Blended Learning Practice” Offered by the Commonwealth of Learning and Athabasca University, Canada.
2. Completed Self learning online course on “Learning to Learn Online” Offered by the Commonwealth of Learning and Athabasca University, Canada.
3. Completed Self learning online course on “Technology Enhanced Teaching” Offered by the Commonwealth of Learning and Athabasca University, Canada.
4. Completed Self learning online course on “Understanding Open Educational Resources” Offered by the Commonwealth of Learning, Canada
5. Completed Self learning online course on “Learning To Teach Online” Offered by UNSW, Sydney (The University of New South Wales), through Coursera.
6. Completed Self learning online course on “Get Interactive: Practical Teaching with Technology” Offered by University of London and BLE (Bloomsbury Learning Exchange), through Coursera.
7. Completed Self learning online course on “Powerful Tools for Teaching and Learning: Web 2.0 Tool” Offered by University of Houston, through Coursera.
8. Completed Self learning online course on “MOOC: How to make a MOOC?” Offered by Novosibirsk State University, through Coursera.

**MOODLE HQ
Courses**

- Completed Self-placed online course on “Moodle Admin Basics” offered by Moodle HQ, Australia.
- Completed online course on “Learn Moodle Basics” offered by Moodle HQ, Australia.

**Training
Received**

1. Two day training on “Biomaterials Informatics & Intellectual Property Rights” conducted by Industry Institute Partnership Cell, SCTIMST, TVPM.
2. Two day training on “Modern tools in Biotechnology information” conducted by PG and Research Department of Botany, University College, TVPM
3. Two day training on “Effective course delivery using MOODLE” conducted by ICT Academy, Techno park, TVPM.
4. Two day training on “SPSS and R” organised by CEPC, Kollam.

**Training
Received**

6. Two day training on “Real Time PCR and Western Blotting” organised by PG and Research Department of Botany, Govt. College for Women, TVPM.
7. Two day training on “Basic tools and techniques in Molecular Biology” PG and Research Department of Botany, University College, TVPM
8. One Week National Workshop on “Design and Development of MOOCs” organized by the Centre for Educational Technology, Department of Education, University of Kerala, from 02/12/2019 to 08/12/2019. Completed the training with **O (Outstanding) Grade**.
9. One Week Online National Workshop on “Creative Adaptation – Reaching out through Digital Classrooms” organized by St’ Thomas College of Teacher Education, Pala, in collaboration with UGC – HRDC, University of Kerala, from 19/05/2020 to 25/05/2020.
10. One Week Online National Workshop on “Cybergogy: New Art of Teaching” organized by Aligarh College of Education, Aligarh, Uttar Pradesh from 26/05/2020 to 01/06/2020.
11. Five day National training on “LaTeX Document Preparation System” organized by Dept. of Physics, Mar Thoma College, Tiruvalla in collaboration with Spoken Tutorial, IIT Bombay under PMMMNMTT, from 17/08/2020 to 21/08/2020.
12. One week Faculty Training programme on “Hands on Training on Learning Management System (MOODLE) and Course Design” conducted by Faculty Development Centre, Kerala State Higher Education Council (KSHEC) from 01/09/2021 to 06/09/2021.
13. Two day State level workshop on “Unlocking Drug Discovery : The art of Molecular Docking” organised by Departments of Botany and Physics, VTM NSS College, Dhanuvachapuram from 30/11/2023 to 01/12/2023.

**OC/RC/STC
Attended**

1. Completed UGC sponsored “Orientation Programme (IT oriented)” organised by UGC – HRDC, University of Kerala, from 30/01/2015 to 26/02/2015. Completed the training with **A Grade**.
2. Completed UGC sponsored “Refresher Course in Environmental Sciences” organised by UGC – HRDC, University of Kerala, from 16/01/2014 to 05/02/2014 with **A Grade**.
3. Completed UGC sponsored “Refresher Course in Womens’ Studies and Women Empowerment” organised by UGC – HRDC, University of Kerala, from 24/01/2019 to 14/02/2019 with **A Grade**.

ARPIT Course

FDPs Completed

4. Completed UGC sponsored “Refresher Course in Citation Network Analysis and Exploratory Data analysis using R” organised by UGC – HRDC, University of Kerala, from 18/02/2020 to 02/03/2020 with **A Grade**.
 5. Completed “Short Term Course in Student Counselling and Mentoring” organised by UGC – HRDC, University of Kerala, from 30/10/2017 to 03/11/2017, sponsored by RUSA with **A Grade**.
 6. Completed one week online “Short Term Course in Academic writing” organised by UGC – HRDC, University of Hyderabad, from 17/08/2020 to 22/08/2020, sponsored by UGC with **A Grade**.
 7. Completed “Short Term Course in Techno Pedagogy” organised by UGC – HRDC, University of Kerala, from 05/11/2021 to 11/11/2021, sponsored by UGC with **A Grade**.
 8. Completed “Short Term Course in Leadership Development Programme” organised by UGC – HRDC, University of Kerala, from 01/12/2021 to 07/12/2021, sponsored by UGC with **A Grade**.
 9. Completed “Short Term Course in MOOCs MOODLE” organised by UGC – HRDC, University of Kerala, from 04/03/2022 to 10/03/2022, sponsored by UGC with **A Grade**.
 10. Completed “Short Term Course in Disaster Management” organised by UGC – HRDC, University of Kerala, from 04/11/2022 to 10/11/2022, sponsored by UGC with **A Grade**.
 11. Completed “Short Term Course in Biodiversity and Ecology” organised by UGC – HRDC, Kannur University, from 06/12/2022 to 12/12/2022, sponsored by UGC with **A+ Grade**.
 12. Completed “One Week Faculty Development Programme for IQAC Coordinators in colleges affiliated to University of Kerala” organised by UGC – HRDC, University of Kerala in Collaboration with Centre for Academic and Professional Training (C-APT), University of Kerala from 26/06/2023 to 03/07/2023.
- Completed ARPIT Course on “Pedagogical Innovations and Research Methodology” offered by Guru Jambheshwar University of Science and Technology, Hisar, Hariyana on SWAYAM Platform.
1. Completed two weeks MOOC course on “Online learning and Content Development” organised by FLAIR Kerala, DCE, Govt. of Kerala.

FDPs Completed

2. Completed 10 day short term training programme on “Learning Management System (LMS)” organised by IQAC and LMS Committee of Sree Neelakanta Govt. Sanskrit College, Pattambi.
3. Completed two weeks Faculty Development Programme on “Managing Online Classes and Co-creating MOOCS 2.0” organised by Teaching Learning Centre (PMMMNMTT), Ramanujan College, University of Delhi.
4. Completed two weeks Faculty Development Programme on “Managing Online Classes and Co-creating MOOCS 3.0” organised by Teaching Learning Centre (PMMMNMTT), Ramanujan College, University of Delhi.
5. Completed two weeks Faculty Development Programme on “Advanced Concepts for Developing MOOCS” organised by Teaching Learning Centre (PMMMNMTT), Ramanujan College, University of Delhi.
6. Completed one week Faculty Development Programme on “Open Source Tools for Research” organised by Teaching Learning Centre (PMMMNMTT), Ramanujan College, University of Delhi.
7. Completed online Faculty Development Program on “Mathematics for Biological Sciences” organised by Faculty Development Centre (PMMMNMTT), UGC – HRDC, Savitribai Phule Pune University.
8. Completed one week online Faculty Development Program on “Earth and Environment Responses during COVID 19” organised by Faculty Development Centre (PMMMNMTT), UGC – HRDC, Savitribai Phule Pune University.
9. Completed one week Faculty Development Programme on “Development and Implementation of MOOCS” organised by Teaching Learning Centre (PMMMNMTT), Ramanujan College, University of Delhi.
10. Completed one week Faculty Development Programme on “Advanced Pedagogical Techniques” organised by Teaching Learning Centre (PMMMNMTT), Ramanujan College, University of Delhi.
11. Completed two week Faculty Development Programme on “Advanced Research Methodology 2.0” organised by Teaching Learning Centre (PMMMNMTT), Ramanujan College, University of Delhi.

Seminars/Conferences/Workshops/Symposiums Attended

International :	15
National :	40
Regional :	05

Seminars/Conferences/Workshops/Symposiums Convened

1. Two day National Workshop on “Bioinformatics for College Students (**BCS 2017**)”, March 2016.
2. Two Day National Seminar on “Interdisciplinary Approaches in Materials and Biological Research (**IAMBR 2019**)”, March 2018.
3. One day Regional Workshop on “Ozone for life: 35 years of ozone protection” organized in connection with ozone day celebrations, September 2020.
4. One day Regional Seminar on “Gender Equality in Indian Constitution” organized in connection with Celebration of Pride, Month, 2021.
5. One day Regional Workshop on “Magical Mangroves” organized in connection with 7th International Day of Women and Girls in Science, February 2022.
6. Two Day International Conference on “Recent Trends in Biological Sciences (**ICRTBS 2022**)”, organized in connection with ARCSSCAL 2022, March 2022.
7. Two Day National Conference on “Recent Trends in Biological Sciences (**NCRTBS 2023**)”, organized in connection with ARCSSCAL 2023, March 2023.
8. One Day Regional Workshop on “Four Year Under Graduation Curriculum Framework”, organized in connection with implementation of Four Year Under Graduation Programme in Kerala, August 2023.
9. One Day Regional Faculty Training Programme on “MOODLE”, December 2023.
10. Two Day National Conference on “Recent Trends in Biological Sciences (**NCRTBS 2024**)”, organized in connection with ARCSSCAL 2024, March 2024.

Extension/Outreach Activities

- Member executive : Sahyadri Natural History Society
- Member : Friends of Trees

Hobbies

Reading, Pencil drawing and Designing

Declaration

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



Dr. Sushama Raj R V