

Curriculum Vitae

Dr. R. Radhakrishnan, M.Sc., Ph.D
(Recognized as World's top 2% scientist by Stanford University, USA)

Assistant Professor, P.G and Research Department of Botany
Jamal Mohamed College (Autonomous)
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Educational Qualification

- Ph.D. (Plant Science), Bharathidasan University, Tiruchirappalli, Tamil Nadu
- M.Sc. (Botany), Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi (Affiliated to Madurai Kamaraj University, Madurai), Tamil Nadu
- B.Sc. (Botany), Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi (Affiliated to Madurai Kamaraj University, Madurai), Tamil Nadu

Academic (Teaching) and Research Experiences

- | | |
|---|---|
| Assistant Professor | : P.G and Research Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu, India |
| Assistant Professor | : Department of Microbiology, Karpagam Academy of Higher Education, Coimbatore, Tamil Nadu, India. |
| Assistant Professor
(International faculty) | : Department of Biotechnology, Yeungnam University, Gyeongsan, South Korea |
| Contract Professor | : School of Applied Biosciences, Kyungpook National University, Daegu, South Korea |
| Post-Doctoral Researcher | : School of Applied Biosciences, Kyungpook National University, Daegu, South Korea |
| Post-Doctoral Researcher | : National Institute of Crop Science, RDA, Miryang, South Korea |
| Post-Doctoral Researcher | : School of Applied Biosciences, Kyungpook National University, Daegu, South Korea |

Academic Activities/ Responsibilities

1. **Doctoral Committee Member** for Bharathiar University, Coimbatore and St. Joseph's College (Autonomous), Tiruchirappalli (*Role: Suggestions and directions to research work for doctoral students*).
2. **Board of Studies Member** for B.Sc., M.Sc. and M.Phil. (Botany) courses in Jamal Mohamed College, Tiruchirappalli from 2020 to till date (*Role: Revise/add the syllabus of allotted course papers*).
3. **Assistant Departmental Coordinator, DBT Star College Scheme**, Jamal Mohamed College, Tiruchirappalli from 2020 to 2022 (*Role: 1. Purchase and account maintenance of all DBT sanctioned instruments, glasswares and chemicals; 2. Flyer & agenda preparation, Participants attendance,*

Programme moderator and Report preparation for 50 number of Programmes along with claim form submission and their financial account maintenance).

4. **Department Annual Report preparation** for College day, Jamal Mohamed College, Tiruchirappalli from 2019 to 2020. (*Role: Collection and compilation of faculty participated programmes, Papers published in proceeding, books and journal publications with evidences from individual staff members*).
5. **Member, Intellectual Property Rights Cell**, Jamal Mohamed College, Tiruchirappalli from 2021 to till date. (*Role: 1. Flyer & agenda preparation, Participants attendance and Report preparation of all programmes; 2. Annual report preparation and submission*).
6. **Vice President of Botany Association**, Jamal Mohamed College, Tiruchirappalli from 2021 to 2022. (*Role: Flyer & agenda preparation, Participants attendance, Programme moderator and Report preparation of all programmes*).
7. **Member, Student Monitoring Committee**, Jamal Mohamed College, Tiruchirappalli from 2021 to till date (*Role: Student Monitoring duty from 1.30 pm to 2.15 pm and 6.20pm to 7.05pm*).
8. **Department Test In-charge**, Jamal Mohamed College, Tiruchirappalli from 2022 to till date (*Role: 1. Collection and printout of CIA questions and distribution of answers scripts to individual staff members; 2. Preparation of question papers in-charge, schedule the exam dates, invigilator duty and exam halls*).
9. **Moral Education Instructor**, Jamal Mohamed College, Tiruchirappalli from 2022 to till date (*Role: Teach the allotted lessons to students*).
10. **Mentor** for M.Sc Students (2020-2022) and B.Sc Students (2023- Till date) (*Role: Communication to students for all official documents and issues; discipline maintenance; bridge between parents, college and students*).

Programmes Organized

1. ORGANIZING COMMITTEE MEMBER for Faculty development Programme on “Curriculum Research and Innovation for Academic Excellence” organized by Organized by PG and research Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli on 1- 7th February 2024.
2. ORGANIZING SECRETARY for School Student Visit Programme sponsored by DST-SERB under Social Scientific Responsibility, Core Research Grant (GRC/2021/001806) at Jamal Mohamed College (Autonomous), Tiruchirappalli on 28th December 2023. (*Role: Flyer & agenda preparation, Participants attendance, Science Departmental Visit Organized and Report preparation*).
3. ORGANIZING COMMITTEE MEMBER for **National Seminar on Innovative Research Approaches in Biological Sciences**. Jamal Mohamed College (Autonomous), Tiruchirappalli on 25th to 26th May 2022. (*Role: Participants attendance and Certificate preparation*).
4. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Lecture on Forests Lungs of Earth on 21st March 2022 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*).
5. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Lecture on Plant Viruses in Vegetable Crops on 14th March 2022 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*).
6. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Lecture on Plant Viruses on 14th March 2022 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*).
7. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Lecture on Developing bioentrepreneur skills among the biological society on 11th March 2022 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*).

8. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Lecture on Nutraceuticals of Traditional Rice Varieties on 11th March 2022 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
9. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Lecture on Bioprospecting of medicinal plants on 10th March 2022 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
10. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Lecture on Species Recovery and Conservation on 10th March 2022 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
11. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Lecture on Novel Biopesticides for crop production on 10th March 2022 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
12. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for National Webinar On Molecular - Evolution, Taxonomy, And Ecology on 16 – 17th February 2022 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
13. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for One Week Faculty Development Programme On "Innovative Teaching and Research methods of Academic Excellence on 24 - 29th January 2022 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
14. ORGANIZING COMMITTEE MEMBER for National Webinar on Molecular Evolution, Taxonomy and Ecology. Jamal Mohamed College (Autonomous), Tiruchirappalli on 16th January 2022. (*Role: Flyer & agenda preparation, Participants attendance, Programme moderator, Report and Certificates preparation*).
15. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Guest Lecture Programme on The Way Forward: Technology For Enabling Rural Economy on 17th December 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
16. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Guest Lecture Programme on Phylogenetic techniques and Molecular Evolution on 15th December 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
17. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Guest Lecture Programme on Carrier Oppertunites For Biology on 13th December 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
18. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Guest Lecture Programme on Analytical Techniques for Biology on 10th December 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
19. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Lecture Programme on Pandamic Diseases And Importance Of Vaccine on 22nd November 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)

20. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Hands on Training Programme - Herbal Production Preparation on 20th November 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
21. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Lecture Programme on "Mushroom Cultivation and Post - Harvest Technology" on 18th November 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
22. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Invited Lecture Programme on "Commemorate the Fugud day - A Focus on Pharmaceutical Lead Metabolites from Filamentous Fungi" on 26th October 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
23. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Invited Lecture Programme on "Integrated Pest Management" on 21st October 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
24. ORGANIZING SECRETARY for An Entrepreneurial Development Program(EDP): Opportunities in Mariculture on 28th to 29th September 2021 (*Role: Flyer & agenda preparation, Participants attendance, and Report preparation*)
25. ORGANIZING SECRETARY for Botany Association Inauguration Function 2021-2022 on 14th September 2021. (*Role: Flyer & agenda preparation, Resource person communication, Participants attendance, Programme moderator and Report preparation*)
26. ORGANIZING SECRETARY for Faculty Development Program (FDP): International Webinar on Biological Innovations for Resource Management and Sustainable Development on 24th to 26th August 2021. (*Role: Flyer & agenda preparation, Participants attendance, registration fee collection and certificates preparation and distribution, Co-Programme moderator and Report preparation*)
27. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Training Programme on "Sterilization and Safety disposal of microbes on 23rd February 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
28. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Training Programme on "Chemical Preparations (Acids, Bases, Buffers, fixatives and reagents) on 22nd February 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
29. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for An Awareness Programme on "Academic & Research Development on 17th February 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
30. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Seven days Virtual Internship Programme on "Spatial Informatics" on 4 – 11th January 2021 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
31. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Training Programme on "Collection, Identification, Labelling and Preservation of Biological Specimens" for Non-Teaching Staffs on 19th December 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)

32. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Awareness programme on "Traditional Knowledge Register" on 19th December 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
33. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Online Training Programme on "Automated plant species identification on 2nd November 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
34. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for A Virtual Lecture and Training Programme on "Plant Taxonomy: Current Challenges and Perspectives" on 31st October 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
35. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Interdisciplinary Training Programme on "Fundamental of R Software in Data Analysis" on 27th October 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
36. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Online Outreach Programme on "Season Watch" on 5th September 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
37. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Online Outreach Programme on "Herbarium Techniques" on 29th August 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
38. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Online Hands on Training programme on "Plants Collection, Processing and Herbarium Preparation" on 27th August 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
39. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for Lecture Series on "Biosciences" on 13- 14th July 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
40. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for International Webinar Lecture Series on "Biological Sciences" on 6 -8th July 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
41. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for An Online Summer Training (OST) Programme in "Cultivation and Commercialization of Biological Products" on 20 - 24th June 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
42. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for The student enrichment programme entitled "Methods of Field Sample Collection Using Mobile GPS" on 23rd June 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
43. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for The student enrichment programme entitled "Mathematics in nature - the golden secret of shapes and patterns" on 22nd June 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)

44. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for The student enrichment programme entitled "Season Watch" on 18th June 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
45. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for The student enrichment programme entitled "Research and Entrepreneurship Possibilities for Budding Graduates" on 13th June 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
46. ORGANIZER, Assistant Departmental Co-ordinator of DBT Star College Scheme for The student enrichment programme entitled "Essentials in Research and How to do Student Group Projects on 12th June 2020 (*Role: Invitation preparation, Participants attendance, Programme moderator and Guest Introduction, Report preparation and Claim form submission*)
47. ORGANIZING COMMITTEE MEMBER for *National Seminar on Frontiers in Biological Innovations for Resource Management, Patents and Entrepreneur Development* organized by Department of Botany, Jamal Mohamed College, Tiruchirappalli on 10 - 11th March 2020. (*Role: Abstract collection, Proceeding book preparation, Participants attendance, registration fee collection and certificates writing and distribution*).

Resource person in Workshop/ Training Programmes

1. **Resource person** for Young Student Scientist Programme 2022 conducted by Tamilnadu state council for science and technology at Jamal Mohamed College, Tiruchirappalli during 19th May 2022.
2. **Resource person** for Hands on Training: Micropropagation, Somatic Embryogenesis, Synthetic Seeds and Hairy Root Culture. National Workshop on Woody Plant Tissue Culture. Department of Biology, The Gandhigram Rural Institute, Gandhigram, Dindigul, Tamil Nadu on 4th March 2022
3. **Jury** in the event Talk – A- Minute in the National Science Day Celebrations, at Jamal Mohamed College, Tiruchirappalli held on 3rd March 2021
4. **Resource person** for Young Student Scientist Programme 2019 conducted by Tamilnadu state council for science and technology at Karpagam Academy of Higher Education, Coimbatore during 2nd-16th May 2019.

Research Area

Plant-microbes Interactions, Stress Physiology, Weed Science, Plant Tissue Culture, Food Chemistry and Water Pollution

Awards and Recognitions

1. **World's top 2% scientists by Stanford University, USA (2021 to till date)**
2. **Best Paper award** - International conference on microbes and microbial products in sustainable environment, agriculture and health (P.69) held at Selvam Arts and Science College (Autonomous), Namakkal, Tamilnadu, India on 9th February 2024.
3. **Best Paper award** - First International Conference on Sustainable Development in Energy & Environment (P. 77) held at Kamaraj College of Engineering and Technology, Tamil Nadu, India on 18-20th July 2019

4. **Best poster presentation award (First prize)** - International conference on technological advances in super foods for health care (P.48) held at Puducherry, India on 3-4th May 2013
5. **Best oral presentation award (Third prize)** - International conference on technological advances in super foods for health care (P.48) held at Puducherry, India on 3-4th May 2013
6. **Best poster presentation award** - the Korean Society of Crop Science held at Gyoungu, South Korea on 19-20th April 2012
7. **Awarded as Senior Research Fellow** - Department of Biotechnology, New Delhi, India (Aug 2008- Jul 2009)
8. **Awarded as University Research Studentship** - Bharathidasan University, Tamil Nadu, India (Feb 2005- Jan 2008)

Principal Investigator of the Projects

1. **Major Project** : **Core Grant Research Project**
 Funding Agency : DST-SERB, New Delhi, India
 Amount : Rs. 25.5 Lakhs
 Title of the Project : Soybean crop improvement against drought by using Endophytes
 Duration : Dec 2021 – Dec 2024 (**On going**)
2. **Minor Project** : **Seed Money Project**
 Funding Agency : Karpagam Academy of Higher Education, Coimbatore, India
 Amount : Rs. 1.0 Lakh
 Title of the Project : Endophytic microbial Interactions on Pharmaceutically valuable compounds in plants
 Duration : Jan 2019 – Jan 2020 (**Completed**)
3. **Minor Project** : **Seed Money Project**
 Funding Agency : Jamal Mohamed College (Autonomous), Tiruchirappalli, India
 Amount : Rs. 0.1 Lakh
 Title of the Project : Isolation and Identification of plant growth promoting endophytes for cucumber plant growth
 Duration : May 2021 – April 2022 (**Completed**)

Editorial Member of Journal

Editorial Member, Journal of Pure and Applied Microbiology (Scopus and ESCI) :
<https://microbiologyjournal.org/>

Reviewer of Journals

1. Scientific Report (**Nature**)
2. Bioelectromagnetics (**Wiley**)
3. Plant Physiology and Biochemistry (**Elsevier**)
4. Physiologia Plantarum (**Wiley**)
5. Plant Growth Regulation (**Springer**)
6. Journal of Photochemistry & Photobiology, B: Biology (**Elsevier**)

7. Journal of Agriculture and Food Chemistry (**ACS**)
8. ACS Omega (**ACS**)
9. 3Biotech (**Springer**)
10. Indian Journal of Plant Physiology (**Springer**)
11. Proceedings of the National Academy of Sciences, Biological Sciences India (**Springer**)
12. Environmental Science and Pollution Research (**Springer**)
13. Indian Journal of Experimental Biology (**NISCAIR**)
14. Chiang Mai Journal of Science (**Scopus**)
15. Journal of Phytology (**Scopus/ ESCI**)
16. Plant Science Today (**Scopus/ ESCI**)
17. Chemosphere (**Elsevier**)
18. Biomass Conversion and Biorefinery (**Springer**)
19. PLOS One
20. Biocatalysis and Agricultural Biotechnology (**Elsevier**)
21. Journal of Traditional and Complementary Medicine (**Elsevier**)
22. Acta Physiologia Plantarum (**Springer**)
23. Agronomy (**MDPI**)
24. BMC Plant Biology (**Springer**)
25. Journal of Chromatography B (**Elsevier**)

Abroad visits

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| Malaysia | : 3 rd International Conference on Applied Life Sciences held at University Kebangsaan Malaysia, Malaysia |
| Malaysia | : Fundamental Science Congress held at University Putra Malaysia, Malaysia |
| Japan | : Research discussion and lab visit to Yamaguchi University, Japan |
| South Korea | : Post-Doctoral Research Programme, South Korea |
| China | : 2 nd International Symposium on Sustainable Agriculture for Subtropical Regions (ISSASR-2) held at Institute of Subtropical Agriculture, Changsha, China (Financial support from CAS, China) |

Membership in Professional Research Bodies

1. International Society for Applied Life Sciences
2. Society for Biocontrol Advancement
3. National Academy of Biological Sciences
4. Society for Plant Biochemistry and Biotechnology
5. The Indian Botanical Society

Research Profile in Websites

1. Researcher ID: A-2295-2019 <https://publons.com/researcher/1804792/ramalingam-radhakrishnan/>
2. Scopus ID: 36852283800 <https://www.scopus.com/authid/detail.uri?authorId=36852283800>
3. Orcid ID: 0000-0003-4972-7967 <https://orcid.org/0000-0003-4972-7967>
4. Google Scholar ID: uJE17EQAAAAJ <https://scholar.google.co.kr/citations?user=uJE17EQAAAAJ&hl=en>
5. Research Gate ID: https://www.researchgate.net/profile/Ramalingam_Radhakrishnan3
6. Vidwan ID: 231193 <https://vidwan.inflibnet.ac.in/myprofile>

Main author publications: 64/ 84

Cumulative impact factor: 168.3, **Google Scholar citations:** 5716; **h-index:** 37, **i10-index:** 56

Total no. of publications	First/ Corresponding author	Co-author	No. of Articles in Journals			No. of Book Chapters	No. of Books	No. of Article in Proceedings
			Scopus	WOS	Peer reviewed			
85	64	21	1	68	5	6	3	2

Publications in Journals, Books & Proceedings

(* - Corresponding author; #- Equal first author)

Single Author (4)

1. **Radhakrishnan R.*** 2019. Magnetic field regulates plant functions, growth and enhances tolerance against environmental stresses. **Physiology and Molecular Biology of Plants**.25 (5), 1107-119. **(IF: 3.4)**.
2. **Radhakrishnan R.*** 2019. Exposure of magnetic waves stimulates rapid germination of soybean seeds by enzymatic regulation in cotyledons and embryonic axis. **Biocatalysis and Agricultural Biotechnology**. 20, 101273. **(IF: 3.4)**.
3. **Radhakrishnan R.*** 2018. Seed pretreatment with magnetic field alters the storage proteins and lipid profiles in harvested soybean seeds. **Physiology and Molecular Biology of Plants**. 24 (2), 343-347**(IF: 3.4)**.
4. **Radhakrishnan R.***2018. Introductory chapter: Need of bioherbicide for weed control. R. Radhakrishnan (ed.). *In: Biological Approaches for Controlling Weeds*, IntechOpen publisher, London, United Kingdom. pp 1-3.

Two Authors (22=21 first author+ 1 co-author)

5. **Radhakrishnan R*** and K.H. Baek.2017. Physiological and biochemical perspectives of non-salt tolerant plants during bacterial interaction against soil salinity. **Plant Physiology and Biochemistry** 116, 116-126 **(IF: 6.1)**.
6. **Radhakrishnan R** and I.J. Lee. 2017. Foliar treatment of *Bacillus Methylophilus* KE2 reprograms endogenous functional chemicals in sesame to improve plant health. **Indian Journal of Microbiology**. 57 (4), 409-415. **(IF: 2.1)**.
7. **Radhakrishnan R** and I.J. Lee. 2016. Gibberellins producing *Bacillus methylotrophicus* KE2 supports plant growth and enhances nutritional metabolites and food values of lettuce. **Plant Physiology and Biochemistry** 109, 181-189 **(IF: 6.1)**.
8. **Radhakrishnan R** and I.J. Lee. 2015. *Penicillium*-sesame interactions: A remedy for mitigating high salinity stress effects on primary and defense metabolites in plants. **Environmental and Experimental Botany** 116, 47-60.**(IF: 4.5)**.
9. **Radhakrishnan R** and I.J. Lee. 2014. Endogenous antioxidants and phytohormonal regulation induced by spermidine improve cucumber plant growth. **Pakistan Journal of Botany** 46(6), 2151-2156. **(IF: 0.9)**.

10. Radhakrishnan R* and I.J. Lee. 2014. Effect of low dose of spermidine on physiological changes in salt stressed cucumber plants. **Russian Journal of Plant Physiology** 61(1), 90-96. (IF: 1.1).
11. Radhakrishnan R and I.J. Lee. 2013. Regulation of salicylic acid, jasmonic acid and fatty acids in cucumber (*Cucumis sativus* L.) by spermidine promotes plant growth against salt stress. **Acta Physiologiae Plantarum** 35, 3315–3322. (IF: 2.4).
12. Radhakrishnan R* and B.D. Ranjitha-Kumari. 2013. Protective role of pulsed magnetic field against salt stress effects in soybean organ culture. **Plant Biosystems** 147 (1), 135-140. (IF: 1.6).
13. Radhakrishnan R and I.J. Lee. 2013. Spermine promotes acclimation to osmotic stress by modifying antioxidant, abscisic acid, and jasmonic acid signals in soybean. **Journal of Plant Growth Regulation** 32 (1), 22-30. (IF: 3.9).
14. Radhakrishnan R and I.J. Lee. 2013. Ameliorative effects of spermine against osmotic stress through antioxidants and abscisic acid changes in soybean pods and seeds. **Acta Physiologiae Plantarum** 35, 263-269. (IF: 2.4).
15. Radhakrishnan R* and B.D. Ranjitha-Kumari. 2013. Influence of pulsed magnetic field on soybean seed germination, seedling growth and soil microbial population. **Indian Journal of Biochemistry and Biophysics** 50, 312-317. (IF: 1.1).
16. Radhakrishnan R* and B.D. Ranjitha-Kumari. 2012. Pulsed magnetic field: a contemporary approach offers to enhance plant growth and yield of soybean. **Plant Physiology and Biochemistry** 51, 139-144. (IF: 6.1).
17. Radhakrishnan R* and B.D. Ranjitha-Kumari. 2009. Variations in morphology, photosynthetic pigments and protein content of micropropagated soybean. **Journal of Scientific Transactions in Environment and Technovation** 3(2), 79-82.
18. Radhakrishnan R and B.D. Ranjitha-Kumari. 2009. Changes in protein content in micropropagated and conventional soybean plants (*Glycine max* (L.) Merr.). **World Journal of Agricultural Science** 5 (2), 186-189.
19. Radhakrishnan R and B.D. Ranjitha-Kumari. 2008. Morphological and agronomic evaluation of tissue culture derived Indian soybean plants. **Acta Agriculturae Slovenica** 91 (2), 391-396. **Scopus** (IF: 0).
20. Radhakrishnan R and B.D. Ranjitha-Kumari. 2008. Effect of N-triacontanol alleviates the toxic effects of soil salinity in soybean. **Journal of Bioscience (currently Tropical Life Sciences Research)** 19 (2), 53–62.
21. Ranjitha-Kumari B.D and R. Radhakrishnan. 2008. Plant with biotic and abiotic factors interaction proteomics. B.D. Ranjitha-Kumari (ed.). **In: Plant Proteomics**, A.P.H. Publisher, New Delhi, India (ISBN: 978-8-13130-409-9), pp 119-155.
22. Radhakrishnan R and B.D. Ranjitha-Kumari. 2008. Subcellular proteomics. B.D. Ranjitha-Kumari (ed.). **In: Plant Proteomics**, A.P.H. Publisher, New Delhi, India (ISBN: 978-8-13130-409-9), pp 55-118.
23. Radhakrishnan R and B.D. Ranjitha-Kumari. 2007. Oxidative stress and reactive oxygen species (ROS) in plants. P.C. Trivedi (ed.). **In: Plant physiology- Current trends**, Pointer Publisher, Jaipur, India (ISBN-13: 978-8171325221), pp. 84-110.
24. Radhakrishnan R and B.D. Ranjitha-Kumari. 2007. Ameliorative effects of plant growth regulators in textile effluent treated ground nut (*Arachis hypogaea* L.). **Bionotes**, 9 (4), 127-128.
25. Radhakrishnan R and B.D. Ranjitha-Kumari. 2007. Callus induction and plant regeneration of Indian soybean (*Glycine max* (L.) Merr. cv. CO3) via half seed explant culture. **Journal of Agricultural technology** 3 (2), 287-297.

Three authors (10=8 first author + 1 corresponding author + 1 co-author)

26. Pugazhendhi A, Radhakrishnan R* and Duc P.A. 2019. *Curtobacterium* sp. MA01 generates oxidative stress to inhibit the plant growth. **Biocatalysis and Agricultural Biotechnology** 20, 101274. (IF: 3.4).
27. Radhakrishnan R*, Alqarawi A.A and E.F. Abd_Allah. 2018. Bioherbicides: Current knowledge on weed control mechanism. **Ecotoxicology and Environmental Safety** 158, 131-138 (IF: 6.2).
28. Radhakrishnan R*, Hashem A, and E.F. Abd_Allah 2017. Bacillus: A biological tool for crop Improvement through bio-molecular changes in adverse environments. **Frontiers in Physiology** 8, 667 (IF: 3.2).
29. Radhakrishnan R[#], Park J.M[#] and I.J. Lee. 2016. *Enterobacter* sp. I-3, a bio-herbicide inhibits gibberellins biosynthetic pathway and regulates abscisic acid and amino acids synthesis to control plant growth. **Microbiological Research** 193, 132-139 (IF: 6.1).
30. Kang S.M, Radhakrishnan R and I.J. Lee. 2015. *Bacillus amyloliquefaciens* subsp. *plantarum* GR53, a potent biocontrol agent resists *Rhizoctonia* disease on Chinese cabbage through hormonal and antioxidants regulation. **World Journal of Microbiology and Biotechnology** 31 (10) 1517-1527. (IF: 4.0).
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16. Radhakrishnan R, Pae S.B, Lee B.Y, Oh K.W, Lee M.H and I.Y. Baek. A study of amino acid and fatty acid concentration in Korean peanut (*Arachis hypogaea* L.) seeds for improving the nutritional quality of breeding lines. *The Korean Society of Crop Science (P. 146) on 17-18th October 2013*.
17. Radhakrishnan R, Pae S.B, Park C.H, Hwang C.D, Lee C.H, Lee M.H and I.Y. Baek. An assessment of diversity of isoflavones concentration in Korean peanut (*Arachis hypogaea* L.) seeds. *International Conference on Technological Advances in Super Foods for Health Care (P.49) held on 3-4th May 2013*.

18. Radhakrishnan R, Pae S.B, Park C.H, Lee B.K, Kim S.U, Kim, M.S and I.Y. Baek. A nutritional evaluation and comparative study on breeding and parental varieties of Korean peanuts (*Arachis hypogaea* L.). *International Conference on Technological Advances in Super Foods for Health Care (P.55)* held on 3-4th May 2013.
19. Pae S.B, Lee M.H, Park C.H, Radhakrishnan R, Kim S.U, Lee C.K, Hwang C.D, Lee B.G and I.Y. Baek. A study on variation of luteolin content in peanut shell harvested in different years. *The Korean Society of Crop Science (P. 143)* on 2-3rd May 2013.
20. Shim K.B, Hwang C.D, Kim S.U, Pae S.B, Baek I.Y and R. Radhakrishnan. Effect of potassium phosphate on the control of phytophthora blight of sesame. 2012 *International Symposium on Current Status and Prospects of Environment-Friendly Agriculture in Asian Region (P. 55)* on 11-12th October 2012.
21. Shim K.B, Hwang C.D, Pae S.B, Kim S.U, Lee C.K, Park C.H, I.Y. Baek, Radhakrishnan R and J.K. Lee. Development of black sesame variety 'Dahuck' with disease resistance, high yield potential. Innovative biotechnological tools for plant breeding. *The Korean Society of Breeding Science (P. 43)* on 5-6th July 2012.
22. Shim K.B, Hwang C.D, Pae S.B, Kim S.U, Lee M.H, Park C.H, Baek I.Y, Radhakrishnan R and N.G. Kim. Development of new sesame cultivation system adaptable to two times harvest in one year. *The Korean Society of Crop Science (P. 86)* on 19-20th April 2012.
23. Radhakrishnan R, Shim K.B, Pae S.B, Hwang C.D, Kim S.U and I.Y. Baek. Selection of plant growth-promoting fungi to enhance the plant growth of high yielding sesame (*Sesamum indicum* L.). *The Korean Society of Crop Science (P.94)* on 19-20th April 2012.
24. Radhakrishnan R, Shim K.B, Hwang C.D, Pae S.B and I.Y. Baek. Seed pretreatments with fungi influence on germination, growth and protein content in disease susceptible *Sesamum indicum* (L.). *The Korean Society of Crop Science (P.95)* on 19-20th April 2012.
25. Pae S.B, Hwang C.D, Kim S.U, Shim K.B, Radhakrishnan R, Lee M.H, Park C.H and I.Y. Baek. Distribution of oleic acid among different combinations in F2 generation. *The Korean Society of Crop Science (P.144)* on 19-20th April 2012.
26. Kim. S.U, Shim K.B, Pae S.B, Hwang C.D, Park C.H, Lee M.H, Kim N.G, Radhakrishnan R and I.Y. Baek. Comparison of the major varieties of sesame genetic resources (김성업*, 심강보, 배석복, 황정동, 박장환, 이명희, 김남구, 라말린감 라다크리쉬난, 백인열. 참깨 유전자원의 주요 품종특성 비교). *The Korean Society of Crop Science (P.184)* on 19-20th April 2012.
27. Radhakrishnan R, Khan.A.L, Kim.Y.H, Kang. S.M, Waqas. M, Kim. D.H, Kamran. M, Joo. H.S and I.J. Lee. Spermidine induced salinity tolerance through the regulation of antioxidants and phytohormones in cucumber. The Korean Society of Crop Science Conference. Dhanyang, South Korea. *Korean Journal of Crop Science (Vol. 56 Supp. 2) (P. 43)* on October 20-21st 2011.
28. Khan AL, Hamayun M, Waqas M, Radhakrishnan R, Kamran M, Kang SM, Kim YH, Lee IJ. Heat stress resistance offered by endophytic fungi *Exophiala* sp.LHL08 and *Paecilomycesformosus* LHL10 to cucumber plants. The Korean Society of Crop Science Conference. Dhanyang, South Korea. *Korean Journal of Crop Science (Vol. 56 Supp. 2) (P. 43)* on October 20-21st 2011.
29. Waqas M, Khan AL, Hamayun M, Kang SM, Kim YH, Kamran M, Radhakrishnan R, Lee IJ. Endophytic fungi: an Eco-friendly strategy for mitigation of salinity and drought stress in cucumber. The Korean Society of Crop Science Conference. Dhanyang, South Korea. *Korean Journal of Crop Science (Vol. 56 Supp. 2) (P. 44)* on October 20-21st 2011.
30. Khan. A.L, Hamayun. M, Kang. S.M, Kim. Y.H, Waqas. M, Radhakrishnan R and I.J. Lee. Mutualistic interaction of endophytic fungus *Penicillium minioluteum*LHL09 with *Glycine max* offers salinity stress mitigation via GA₄ synthesis. Conference of the Korean Society for Horticultural Science. Jeju, South Korea. *Korean Journal of Horticultural Science and Technology (Vol.29 Suppl.1) (P. 98)* on May 26-28th 2011.
31. Kim. Y.H, Kang. S.M, Khan. A.L, Radhakrishnan R, Waqas. Mand I.J. Lee. Effect of Prohexidion-calcium application on growth retardation of Pot Chrysanthemum (*Dendranthema grandiflorum*) cv Green-Moon. Conference of the Korean Society for Horticultural Science. Jeju, South Korea. *Korean Journal of Horticultural Science and Technology (Vol.29 Suppl.1) (P. 152)* on May 26-28rd 2011.

32. Kim. Y.H, Khan. A.L, Kang. S.M, Radhakrishnan R, Waqas. M and I.J Lee. Changes of short-term silicon application on jasmonic acid contents of rice with and without wounding stress. The Korean Society of Crop Science Conference, Mukbo, South Korea. *Korean Journal of Crop Science*(Vol.56 Suppl.1) (P. 31) on 21-22nd April 2011.
33. Radhakrishnan R, Rengarajan RL and B.D. Ranjitha-Kumari. Improving the nutritional quality of soybean through pulsed magnetic field. *International Conference on Food and Nutraceuticals for Nutrition and Health: Technology & Delivery at Department of Food Science, Periyar University, Salem, Tamil Nadu, India on 20 - 22nd January 2011.*
34. Rengarajan RL, Radhakrishnan R and G. Archunan. Effect of folic acid plus B-vitamins on homocysteine levels in patients with cardiovascular disease. *International Conference on Food and Nutraceuticals for Nutrition and Health: Technology & Delivery at Department of Food Science, Periyar University, Salem, Tamil Nadu, India on 20 - 22nd January 2011.*
35. Radhakrishnan R and B. D. Ranjitha-Kumari. Magnetic field as a new tool to enhancement of salt tolerant soybean. *Fourth International Conference Plants & Environmental Pollution at National Botanical Research Institute, Lucknow, India on 8-11th December 2010.*
36. Radhakrishnan R and B.D. Ranjitha-Kumari. Role of magnetic field on food technology: An analysis in soybean (*Glycine max* L.). *International Conference on Food Technology Edition II at Indian Institute of Crop Processing Technology, Thanjavur, Tamil Nadu, India on 30 - 31st October 2010.*
37. Radhakrishnan R and B.D. Ranjitha-Kumari. Enhancement of Soybean Seed germination, Plant growth and Yield by the Magnetic field treatments. *2nd International Symposium on Sustainable Agriculture for Subtropical Regions (ISSASR-2) at Institute of Subtropical Agriculture, Chines Academy of Science (China) and Naresuan University (Thailand), Changsha, China on 15-18st September 2010.*

Paper Presentation / Participation in National Conferences/ Seminars (17= 12 First author; 5 Co-author)

1. Perumal S, Hariharan M, and **Radhakrishnan R**. Development of Soybean Crop Resistance to Drought using *Sinorhizobium meliloti* NOR1. *9th Asian PGPR India Chapter National Conference on "The Beneficial Microbes as Integrated Approach for Sustainable Agriculture: Opportunities & Challenges".* Bharathiar University, Combatore, Tamil Nadu, India on 29th to 30st July 2024, P. 564.
2. **Radhakrishnan R**. Participated on *National Conference on Trends in life Science for Sustainable Development* Organized by Department of Botany at *Bharathidasan University, Trichy* on 9-10 August 2024.
3. Sathish S, Perumal S, Hariharan M and **Radhakrishnan R**. Formulation and assessment of organic fertilizer for fenugreek seedling growth. *National Conference on Chemical, Biological and medical sciences organized by Department of Biochemistry, Thanthai Periyar Goverenment Arts & Science College, Tiruchirappalli* on 7th March 2023. P.33.
4. Perumal S, **Radhakrishnan R** and Hariharan M. Endophytes: Suitable Resource for Biomedical Industry and Agriculture. *National Conference on Advances in Microbial Biotechnology: Current Trends and Future Prospects organized by Department of Microbiology, Biotechnology and Food Technology, Bangalore University* on 28-29th April 2022. P. 21.
5. **Radhakrishnan R**, Menaga J and Ajithkumar P. Isolation and Identification of Endophytic Bacterium, *Bacillus Amyloliquefaciens* MR3 From Mentha Plants against Foodborne Pathogens. *National Seminar on Frontiers in Biological Innovations for Resource Management, Patents and Entrepreneur Development organized by Department of Botany, Jamal Mohamed College, Tiruchirappalli* on 10 - 11th March 2020. P. 16.
6. Megala M, Naveena Sri ST, Saraswathi J, Srilekha PR, **Radhakrishnan R**, Thirunavukaras u P.S. Identification and the application of endophytic bacteria's to enhance the plant growth. *National Conference on Espials of Biomolecules, Department of Microbiology, Karpagam Academy of Higher Education, Coimbatore.* 26th February 2020.

7. Sandhya S., Madhumithra S., Susmitha B and **Radhakrishnan R.** Influence of *Ficus religiosa* L. endophytes on plant growth and their survival at adverse environmental conditions. *One day National conference On Ecological impacts of Microbiome held at Bharathiar University, Coimbatore, Tamil Nadu, India on 24th Jan 2020.*
8. **Radhakrishnan R**, Vasanth. M., Nirmal Evangelin. J., Prasanth. R., Saranya. R., and Sandhya. S. Formulation and antimicrobial activity of herbal hand sanitizer. *National Level Seminar on the Novel Microbial Technologies for Sustainable Development (P. 87). Dr. G.R. Damodaran College of Science, Coimbatore, Tamil Nadu, India on 11-12th Oct 2019.*
9. **Radhakrishnan R**, Susmitha. B., Dharchana. T and Sandhya. S. Effect of microbial interaction on medicinally valuable compounds in plants. *National Seminar on Bioprospecting of Biodiversity for Agriculture and Medicine: Current Status and Future Prospectives (P. 71) held at Bharathiar University, Coimbatore, Tamil Nadu, India on 3rd Oct 2019.*
10. **Radhakrishnan R**, Kang S.M, Park J.M, Lee S.M and I.J. Lee. *Bacillus methylotropicus* KE2, a potent agent to improve the crop plants and food values. *National Conference on Advances in Food, Chemical and Biotechnology (P.1) held at Kongu Engineering College, Tamil Nadu, India on 12th Sep 2014.*
11. **Radhakrishnan R.** Participated in *One day seminar on Recent Trends in Chemical Signaling at Bharathidasan University, Trichy on 2nd February 2009.*
12. **Radhakrishnan R.** Participated in *National Conference on Trends in Plant-Microbe Interactions at Bharathidasan University, Trichy on 21 – 22nd January 2009.*
13. **Radhakrishnan R** and B.D. Ranjitha-Kumari. Influence of pulsed magnetic field on soybean (*Glycine max* L.) seed germination and physic-chemical properties of seed leachates. *National conference on Modern trends in plant in vitro biology at Bharathidasan University, Trichy on 5-6th January, 2009.*
14. **Radhakrishnan R**, Abdullah S.A, Raja G. and B.D. Ranjitha-Kumari. Modulatory changes of enzyme activity in salt stressed and salt alleviated *Glycine max* L. (Merr.) by growth regulator (n-triacontanol). *National seminar on Advances in Enzymology at Bharathidasan University, Trichy on 9-10th March, 2006.*
15. **Radhakrishnan R** and B.D. Ranjitha-Kumari. Toxic effects of soil salinity alleviated by growth regulator n-triacontanol under salt stressed Soybean. *National seminar on Advances in Plant Sciences at Bharathidasan University, Trichy on 24 - 25th February, 2006.*
16. **Radhakrishnan R** and B.D. Ranjitha-Kumari. Assessment of polluted water in Sivakasi. *National Conference on Environment and Sustainable Development at Bharathidasan University, Trichy on 16-17th February 2006.*
17. **Radhakrishnan R.** Participated in *National level Seminar on Special Lectures in Biosciences at Bharathidasan University, Trichy on 31st March to 1st April 2004.*

Participation in Faculty Development Programmes

1. One Week National Level Online Faculty Development Programme on “Technology Integration in Learning and Teaching” organized by the Internal Quality Assurance Cell, Seethalakshmi Ramaswami College, Trichy, Tamil Nadu on 19-08-2024 to 24-08-2024.
2. A Five day Faculty Development Programme organized by *Jamal Mohamed College (Autonomous), Trichy, Tamil Nadu on 05-06-2024 to 09-06-2024.*
3. I Think Biology. **NPTEL Course.** (12 weeks course) on 22-01-2024-21-04-2024.
4. A Five day Faculty Development Programme organized by *Jamal Mohamed College (Autonomous), Trichy, Tamil Nadu on 05-06-2023 to 13-06-2023.*
5. A One Day Orientation Programme on Gender and Socialisation organized by *Bharathidasan University in association with Jamal Mohamed College (Autonomous), Trichy, Tamil Nadu on 21-12-2022.*
6. Online Two-week Interdisciplinary Refresher Course on Advanced Research Methodology organized by *Ramanujan College, University of Delhi on 22-01-2022 to 05-02-2022.*
7. Three Day Faculty Development Programme on “Lab to Land Transformation – Focus on Entrepreneurial Skill Development” organized by *Department of Zoology, Ayya Nadar Janaki Ammal College, Sivakasi, Tamil Nadu on 20-09-2021 to 22-09-2021.*

8. Three Day Faculty Development Programme on “Challenges in Microbiological Invention and Intellectual Property Rights” organized by *Department of Microbiology in association with IQAC, Ayya Nadar Janaki Ammal College, Sivakasi, Tamil Nadu* on 22-09-2021 to 25-09-2021.
9. Plastic Waste Management. **NPTEL course** (8 weeks course), 02-01-2021 to 31-03-2021.
10. FDP on “E-Content Development” organized by *Internal Quality Assurance Cell (IQAC), Jamal Mohamed College (Autonomous), Tiruchirappalli* on 30-06-2020 to 04-07-2020.
11. National Level Online 7 - Day Faculty Development Programme on Revised Accreditation Framework (RAF) of NAAC – A Paradigm Shift for Strategic Enhancement of Higher Education in India organized by *Internal Quality Assurance Cell (IQAC), Rajapalayam Rajus' College, Rajapalayam* on 08-06-2020 to 15-06-2020.
12. International Webinar Series Faculty Development Programme on Contemporary and Advanced Research in Life Science organized by *Department of Microbiology, Karpagam Academy of Higher Education, Coimbatore* on 04-06-2020 to 05-06-2020.
13. Online Induction Training/Orientation Programme. Organized by *Ramanujan College, University of Delhi* on 04-06-2020 to 01-07-2020.
14. FDP on Outcome-Based Education. *Impods* on 03-06- 2020.
15. Biopython-Faculty Development Programme organized by *Department of Botany, Jamal Mohamed College, Tiruchirappalli and Spoken Tutorial IIT Bombay* on 29-05-2020 to 30-05-2020.
16. Uncovering PIAZZA for Effective Teaching. Virtual Faculty Development Programme organized by *Department of Plant Biology and Biotechnology, Presidency College, Chennai* on 27-05-2020.
17. Institution's Innovation Council (IIC) Online Sessions to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs organized by *IIC, MHRD's Innovation Cell, New Delhi* on 28-04-2020 to 22-05- 2020.
18. Orientation programme on MOOC's and e-Learning organized by *Library, Jamal Mohamed College (Autonomous), Tiruchirappalli* on 29-01-2020
19. Organic Farming for Sustainable Agriculture Production. **NPTEL Course**. (8 weeks course).

Participation in Webinars

1. National Webinar on Industrial Spirulina Production Technology. Department of Microbiology, Ayya Nadar Janaki Ammal College, Sivakasi on 2nd June 2021.
2. Live webinar on Marine Microbes - A Wonder of the World. Department of Microbiology in association with NSS and KAHE-IIC, Karpagam Academy of Higher Education, Coimbatore on 11th December 2020.
3. Live Webinar on Impact of Probiotics in combating COVID-19- A Potential Preventive Strategy. Department of Microbiology, Karpagam Academy of Higher Education, Coimbatore on 12th October 2020.
4. Webinar on Best Practices in Acquiring Scholarly Knowledge. Jamal Mohamed College (Autonomous), Tiruchirappalli on 16th August 2020.
5. Webinar on National Education Policy- 2020. Jamal Mohamed College (Autonomous), Tiruchirappalli on 8th August 2020.
6. National Webinar Lecture Series on “Biosciences”. Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli on 13- 15th July 2020
7. International Webinar Lecture Series on “Biological Sciences”. Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli on 6- 8th July 2020
8. International Webinar on Life Sciences. PG and Research Department of Botany, Government Arts College (Autonomous), Karur, Tamilnadu on 22 – 24th June 2020
9. Webinar on "Tools for Designing E-Content". IQAC and General Library, quaid-E-Millath Government College for Women (Autonomous), Chennai on 17th June 2020.
10. Webinar Lecutre Series on Knowledge Access and Sharing: Challenges and Opportunities. Department of Library and Information Science, Bharathidasan University, Tiruchirappalli on 8 – 14th June 2020.

11. Webinar on Think Globally, Act Locally: Applicability to Educational Perspectives. Bharathiar University Arts and Science College, Modakurichi on 5th June 2020.
12. Webinar on Microbiologist in Every day. Biocon Academy and Biotechnika Info Labs Pvt Ltd, Bangalore on 3rd May 2020.
13. Indo-UK Virtual Conference on Current Innovations and the Future of Therapeutic Developments. Vellore Institute of Technology, Vellore, Tamilnadu on 1-3rd June 2020.
14. Webinar on Traditional Medicine. Department of Botany, SadakathullahAppa College, Tirunelveli, Tamil Nadu on 30th May 2020.
15. Webinar on The Crux of Online Teaching for Low Internet Bandwidth. Human Resource Development Centre and Internal Quality Assurance Cell, Academy of Maritime Education and Training (AMET), Chennai on 24th May 2020.
16. Webinar on Ecosystem Services and Management. Department of Botany, Alagappa University, Karikudi on 24 – 26th May 2020.
17. Webinar on Application of Molecular Markers in Plant systematics. Department of Botany, V.O. Chidambaram College, Thoothukudi on 23rd May 2020.
18. Webinar on Human Origin, Health and Diseases. CAS Botany, University of Madras, Chennai on 23rd May 2020.
19. Two-day national level webinar on Recent Trends in Biological Science. Department of Biochemistry, Sree Narayana Guru College, Coimbatore on 21 – 22nd May 2020.
20. Webinar on Novel Insight into Plant Space Biology. Department of Botany, A.V.C. College (Autonomous), Mayiladuthurai on 21st May 2020.

Participation in Other Programmes

1. Participated in Online Quiz on Traditional Medicines and COVID-19, J.J College of Arts and Science (Autonomous), Pudukkottai on 21st May 2020.
2. Participated in the Online Quiz 2020 series -1 “Insights of COVID-19”, Karpagam Academy of Higher Education, Coimbatore on 20th May 2020.
3. Participated in COVID 19 Awareness Programme and Quiz Competition, Jamal Mohamed College (Autonomous), Tiruchirappalli on 13th Apr 2020.
4. Intellectual Property Rights and Prior Art Search for Research Development. IPR Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 5th Feb 2020.

Participation in Training/ Workshops

1. Attended a National Training on “*Techniques for Isolation and Characterization of Bacterial Endophytes and its Application in Agriculture*” held at ICAR-NBAIM, Mau, India on 15 to 22nd December 2023.
2. Attended in two days “In-service Teacher Training” programme in Life Sciences held at H.H. The Rajah’s College (Autonomous), Pudukkottai on 05 to 06 May 2022
3. Attended a workshop on “*Training programme on Bio fertilizers and Bio control agents in Forestry*” held at “*Institute of Forest Genetics and Tree Breeding*” Coimbatore, Tamilnadu, India on 18 to 20th December 2019.
4. Attended a workshop on “*One day Workshop on Professional Ethics and Plagiarism*” held at “*Sankara College of Science and Commerce*” Coimbatore, Tamilnadu, India on 31st August 2019.
5. Attended a workshop on “*National Seminar cum Workshop on Genomics and Proteomics 2019*” held at Alagappa University,” Karaikudi, Tamilnadu, India on 06-08th February 2019.

6. Attended a workshop on “*Routine laboratory Safety Training Course*” held at *Envrionmental Science and Technology Institute*” at Kyungpook National University, Daegu, South Korea on 23th August 2011.
7. Attended a National workshop on “*Scholarly Information Access*” held at Bharathidasan University, Tiruchirappalli, India on 23 - 24th October 2009.
8. Attended a workshop on “*Access to e- Resources and Digital Library Consortium*” held at Bharathidasan University, Tiruchirappalli, India on 1 - 2th August, 2008.
9. Attended a workshop on “*Patent Awareness*” held at St. Joseph’s College, Tiruchirappalli, on 7th April, 2006.
10. Attended a workshop on “*Modern techniques in studies of abiotic stress response and stress inducible genes in plants*” held at Institute of Life Science, Nalco Squar, Bhubaneswar, India on 21-24th March, 2006.

PG and UG Botany Student’s Projects Guided

PG Student’s Project

1. R. Jagan (22PBO009). Survey of medicinal plants in Viralimalai village of Pudukkottai region. 2024.
2. R. Jeno Antony (22PBO010). Medicinal plant survey in Narthamalai, Pudukkottai district, Tamil Nadu, India. 2024.
3. M. Sathish (21PBO007). Survey of medicinal plants in Oruvandur Pudur village of Namakkal region. 2023.
4. R. Ramakrishnan (20PBO016). Characterization of *Phyla nodiflora*.L endophytic bacteria for plant growth promotion and abiotic stress tolerance. 2022.
5. S. Aravinthan (20PBO015). Isolation and characterization of endophytic bacteria residing *Aloe vera* (L.) for green gram plant growth and abiotic stress tolerance. 2022.
6. Vijayakumar (19PBO022). Antibacterial activity of *Cassia fistula* L.: Aan important ethnomedicinal plant. 2021.
7. C. Vigneshwaran (19PBO021). Antimicrobial activity of *Amaranthus gangeticus*. 2021.
8. J. Veera Ragavan (19PBO020). Antibacterial Activity of crude leaf extract of *Solanum nigrum*. 2021.

UG Student’s Project

1. S. Naveen Kumar (21UBO019) and Benny Yohannan (21UBO021). Plant growth promoting activity of endophytic bioformulations on soybean (*Glycine max* L.) plant. 2024.
2. M. Aakash (20UBO027), R. K. Arjun (20UBO028), S. Sivakumar (20UBO029) and M. Christian Roshan (20UBO030). Nutraceutical properties of soybean sprouts under salt and vinegar. 2023.
3. A. Mohamed Nowfil (19UBO030), R. Mukilan (19UBO032), M. Mohammed Majith (19UBO031). A. Najubudeen (19UBO033) and M. Prabakaran (19UBO034). Applications of table salt and vinegar on green gram and cowpea sprouts growth. 2022.
4. S. Sarveswaran (18UA4631), M. Satham Hussain (18UA4632), M. Sathish (18UA4633), R. Sriram (18UA4635), K. Sugumaran (18UA4636). Formulation and assessment of organic fertilizer for fenugreek seedling growth. 2021.

Internships Training to Students:

1. M. Ashok, II M.Sc Microbiology (2023-2024), Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, Tamil Nadu received internship training from 01.11.2023 to 28.12.2023 in the Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu under DST-SERB-Core Research Grant - Student Internship Training Programme.

-----updated as on September 2024-----