

---

# CURRICULUM VITAE

---

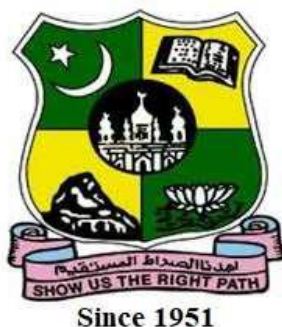
**General – Education – Teaching – Research – Extension – Administration**



**Dr. R. SYED MOIDEEN M.Sc., M.Phil., Ph.D.**

**Assistant Professor**

**P.G & Research Department of Botany**



**Jamal Mohamed College (*Autonomous*)**

**Accredited with 'A++' Grade by NAAC (4<sup>th</sup> Cycle) with CGPA 3.69 out of 4.0.**

**(Affiliated to Bharathidasan University),**

**Tiruchirappalli, Tamil Nadu,  
India.**

## Resume

### Dr. R. SYED MOIDEEN



#### About me...

A committed and organized professional with proven experiences in teaching and research in Plant sciences. Have creditable ability to solve problems and strive to improvise in the assigned profession.

#### Qualifications

- MSc., Botany (2008)
- M.Phil., Botany(2009)
- Ph.D. Botany (2018)

#### Experiences

- Teaching : **08 Years**
- Research : **15 Years**

#### My contact

Mobile: +91 8778830110

email : r.syedmoideen85@gmail.com

No. 202, 6<sup>th</sup> Cross, Sri Gowri Nagar,  
Near Theeran Nagar, Pirattiyur (P.O),  
Tiruchirappalli – 620 009.

#### Research projects

- Total No. of Projects handled: **1**
- Funding Agencies: **Seed Money**
- Total Funds allotted : ₹ **10,000/-**
- Funding Agencies: **Students Start-Up**
- Total Funds allotted : ₹ **10,000/-**

#### Research publications

- IF : **14.89**
- H index : **02**
- i-10 index : **01**
- Citations : **16**

(Google Scholar, 2024)

#### ▪ Total Publications : **10**

- Journals : **09**
- Book Chapter/ Proceedings : **01**

#### ▪ Total Presentations : **12**

(Seminars/Symposia/Conferences)

- International : **05**
- National : **08**
- Participation : **42**

#### Membership in Professional Bodies

- Life Members:
  - **Indian Botanical Society**
  - **Asian Phytopathological Society**
- Annual Member:
  - **Society for Plant Research**

#### Resource Persons: **06**

- Guest Lecture : **04**
- Judy Person : **03**

#### Awards: **02**

- Best Paper Award
- UGC BSR Meritorious Fellow

Faculty Development  
Programme

19

Programme  
organized

05

Student enrichment  
activities under DBT  
Star College Scheme

15

Swayam s/ Mooc's  
Completed

01

**1. Name** : **Dr. R. SYED MOIDEEN** M.Sc., M.Phil., Ph.D.  
**2. Designation** : Assistant Professor of Botany  
**3. Department** : P.G & Research Department of Botany  
Jamal Mohamed College (*Autonomous*)  
Accredited with 'A++' Grade by NAAC (4<sup>th</sup> Cycle) with CGPA 3.69 out of 4.0  
Tiruchirappalli – 620 020.  
Tamil Nadu, India.  
**Employee Number** : 78177  
**CPS No.** : 8001012647  
**College Tel. & Ext. No:** (**Office**): 0431-2331135/2331235, **Ext. #:** 304/305  
**College Fax #** : 0431-2331035

**4. Google scholar site** : Citations – **16**, H-index – **02**, i10-index – **01**.

**Mobile** : +91- 8778830110 / 6374543927.

**What's App** : 8122685684 / 8778830110.

**e-mail** : [rsm@jmc.edu](mailto:rsm@jmc.edu) / [r.syedmoideen85@gmail.com](mailto:r.syedmoideen85@gmail.com)

**Google scholar Id** : <https://scholar.google.com/citations?user=yc3jJIAAAAAAJ&hl=en>

**Linked In Id** : [r.syedmoideen85@gmail.com](https://www.linkedin.com/in/r.syedmoideen85@gmail.com)

**Research Gate Id** : <https://www.researchgate.net/profile/Syed-Moideen>

**Orchid Id** : <https://orchid.org/0000-0003-3909-5265>

**5. Date of Birth and Age:** 28-10-1985 / 39.

**6. Nationality** : Indian

**7. Research & Teaching Experience** :

- i) Teaching Experience after Ph.D. : **08 Years & 00 Months** (till date)  
ii) Research Experience from Ph.D. : **15 Years & 01 Months** (till date)

- **Assistant Professor in Botany**, Post Graduate & Research Department of Botany, Jamal Mohamed College (*Autonomous*), Tiruchirappalli, Tamil Nadu, India. From **01.07.2017** to till date (**08+** years).
- **Guest Lecture** in M.Sc., Life Sciences (Five Year Integrated Courses) Wood Science & Technology (Theory & Practical) during July 2014 to Nov 2014 and July 2015 to Nov 2015 on honorary basis (UGC – **BSR Meritorious Fellow**). **Bharathidasan University**, Tiruchirappalli, Tamil Nadu, India.

## 8. Academic Credentials:

- **Ph.D. in Botany (June – 2018) (Specialization in Plant Biotechnology)**, awarded the Degree from **Bharathidasan University**, Tiruchirappalli, Tamil Nadu, India.
- **M.Phil. in Botany (Sep. 2009) (Specialization in Plant Molecular Biology) (1<sup>st</sup> Class – 81.16 % (D+))**, awarded the Degree from **Bharathidasan University**, Tiruchirappalli, Tamil Nadu, India.
- **M.Sc., in Botany (Apr. 2008) (1<sup>st</sup> Class – 72% (A++))**, awarded Degree from **Bharathidasan University**, Tiruchirappalli, Tamil Nadu, India.
- **B.Sc., in Botany (Apr. 2006) (1<sup>st</sup> Class – 60%)**, awarded Degree from **Bharathidasan University**, Tiruchirappalli, Tamil Nadu, India.
- Completed UGC certificate course on “**Environmental Studies**” (July 2003 to April 2004).
- **Ph.D.:** “**Phytochemical, *In vitro* Studies and Pharmacological Efficacy of *Luffa acutangula* Linn. Var. *amara* Roxb**”.  
(University Grant Commission – BSR – Meritorious Fellow in the period of 2012 - 2017).
- **M.Phil.** Dissertation entitled on “**Studies of Polymorphism in chloroplast DNA obtained from different medicinal plant species in Fabaceae**”.
- **M.Sc.:** Dissertation entitled on “**Isolation and Identification of Fungal population in Kallani - Dam water and soil sample**”.

## 9. Research Projects Ongoing / Completed (Principal Investigator):

1. Scheme : **Tamil Nadu State Council for Science and Technology**  
Ref. No : Applied  
Position : Principal Investigator  
Funded by : Tamil Nadu State Council for Science and Technology, Tamil Nadu.  
Grant (Rs.) : 3,50,000/-  
Duration : 2 Years  
Title : **Extraction and Characterization of Natural Fiber from *Furcraea Foetida* Leaves as an Alternative Material for Textile Applications.**  
Status : Applied.
2. Scheme : **Seed Money Grant**  
Ref. No : (Ref. No: JIIC/2019-2020SM-F/Dean of Research & Consultancy/06)  
Position : Principal Investigator

Funded by : Jamal Mohamed College (Autonomous)  
Grant (Rs.) : 10,000/-  
Duration : 1 Year  
Title : **Formulation of Natural Bio Insecticides and Pesticides in Plants, Fruits and Vegetables using *Aloe vera* Plant Extracts.**  
Status : Successfully Completed

#### **10. Research Work (Student's research work under my supervision)**

1. Successfully completed Post Graduate student's research work under my supervision titled in "**Extraction a characterization of Natural fibre from *Furcraea foitida* (L.) Haw leaves as an alternative material for textile applications**". 25-04-2023.
2. Successfully completed Post Graduate student's research work under my supervision titled in "**Phytochemical and Antimicrobial studies of *Furcraea foitida* (L.) Haw**". 27-04-2022.
3. Successfully completed under my supervision titled in "**Microbial Contamination, an Increasing Threat to the Consumption of Fresh Fruits and Vegetables in Today's Life**". *This proposal is going on the DBT – Star College Scheme in my college, Group Projects in Under Graduate Botany Degree students.* 27-04-2022.
4. **Phytochemical Screening and its Silver Nanoparticle Based Antibacterial activity of *Luffa cylindrica* Linn. Fruit Extract against Human Pathogenic Organisms – This proposal has been done for the DBT – Star College Scheme in my college Under Graduate Botany Degree students.** 27-04-2020.
5. Successfully completed Post Graduate student's research work under my supervision titled "**Anti-Pyretic activity, Antimicrobial activity and phytochemical analysis of *Anisomeles malabarica* (L)**". 23-04-2019.
6. Successfully completed Post Graduate student's research work titled "**Conversion of Cyanobacterial strains into Axenic culture using Gas plasma (Ozone gas, O<sub>3</sub>)**". 30-04-2018.
7. Successfully completed Post graduation Student's (M.Sc., Botany 2017 - 2018) research works titled "**Antimicrobial Activity of *Luffa cylindrica* (L)**". 27-04-2017.

#### **Board Member in Curriculum Development:**

1. Member in **B.Sc., & M.Sc., Botany Syllabus Setting Board** (from 2017 to Till date) in Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, India.
2. Member in **B.Sc., & M.Sc., Microbiology Syllabus Setting Board** (from 2018 to 2019) in Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, India.

#### **Board of Examiner:**

1. UG & PG botany question paper setter in Jamal Mohamed College (Autonomous). Tiruchirappalli - 620 020.

2. UG & PG botany question paper setter in Vivekananda College for Women's College, Elaiyampalayam, Nammakkal - 637205, Tamil Nadu.

### **SWAYAM/ NPTEL ONLINE COURSE**

- I have completed exam (29-10-2023) online certification course on “**Environmental Biotechnology**” (12 Weeks Course; 2023).

### **Academic Activities and Additional Responsibilities:**

1. Member in “**Department Curriculum Development Cell & National Institutional Ranking Framework (NIRF)**” Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020, Tamil Nadu, India. From **01/09/2021 to Till date**.
2. **Assistant Departmental Co-ordinator of DBT Star College Scheme** for Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020, Tamil Nadu, India. From **March 2022 to February 2023**.
3. Supervisor in Herbal Garden at Khajamian Hostel, Green Campus Wing at Khajamian Hostel, Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020, Tamil Nadu, India. From **01/10/2017 to Till date**.
4. Moral Education Instructor, Jamal Mohamed College (Autonomous), Tiruchirappalli from 2023 to till date (Role: Teach the allotted lessons to students).
5. Editorial Member in International Journal of Botany Studies (Web of Science Indexed Journal) from 28/01/2022 to Till date.
6. Students Monitoring Committee Member in our college campus, Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020, Tamil Nadu, India. From **24/06/2019 to Till date**.

### **Students Internship Programme Co-ordinator Under DBT STAR College Scheme:**

1. **Bonsai Methods to Cultivate Plants**, at Bodhi Bonsai Nursery Garden, Old Palpannai, Trichy, on 19-11-2022. **B: 20**.
2. **Seed Testing Techniques** – Department of Seed Certification & Organic Certification, Seed Testing Laboratory, Mannarpuram, Tiruchirappalli, on 27-12-2022. **S: 20**.
3. **Value addition through Baking Skills** – Department of Nutrition and Dietetics, Jamal Mohamed College, Tiruchirappalli – 620 020, on 22-12-2022. **B: 20**
4. **Terrace gardening and Bonsai techniques (Field training)** Shri. Lakshmanasamy, Bodhi Bonsai Nursery Garden, Tiruchirappalli on 18-02-2022 **S:18**.
5. **Internship programme on Cultivation of flowers at Sivasakthi floritec**, Hosur from 20-02-2023 to 25-02-2023, **B: 18**.
6. **Designing Bonsai plants** Shri. Lakshmanasamy, Bodhi Bonsai Nursery Garden, Bodhi Bonsai Nursery Garden 18-02-2022 **B: 15**.
7. One day Hands on Training programme on **Organic Farming** at TNAU – KVK Sirugamani, Trichy. On 01-03-2023. **B: 20**.

8. One day Hands on Training Programme on **Macropropagation in Banana Plant** at TNAU – KVK Sirugamani, Trichy. On 07-03-2023. **B: 18.**
9. One day Hands on Training Programme on **Grafting on Brinjal Plant** at TNAU – KVK Sirugamani, Trichy. On 16-03-2023. **B: 18.**
10. One day Hands on Training Programme **Nursery Making and Gardening** at TNAU – KVK Sirugamani. On 16-03-2023. **B: 18**
10. **Students Internship** at Shiva Shakthi Floritech, Hosur. On 13-03-2023 – 18-03-2023. **B: 15.**

### **Programmes Organized**

1. Organizing Committee Member in a Faculty Development Programme on “Curriculum Research and Innovation for Academic Excellence” organized by Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli. Tamil Nadu, India. 1<sup>st</sup> Feb to 07<sup>th</sup> Feb 2024.
2. Organizing Committee Member in a National Webinar on Molecular Evolution, Taxonomy and Ecology. Jamal Mohamed College (Autonomous), Tiruchirappalli on 16<sup>th</sup>. (Role: Flyer & agenda preparation, Participants attendance, Programme moderator and Report preparation).
3. Organizing Committee Member on National Seminar on “Innovative Research Approaches in Biological Sciences” organized by Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli. Tamil Nadu, India. 25<sup>th</sup> & 26<sup>th</sup> May 2022.
4. Organizing Committee Member in a Faculty Development Program (FDP): International Webinar on Biological Innovations for Resource Management and Sustainable Development on 24<sup>th</sup> to 26<sup>th</sup> August 2021. (Role: Participants attendance, registration fee collection and certificates preparation and distribution, Co-Programme moderator and Report preparation).
5. Organizing Committee Member in a Botany Association Inauguration Function 2021-2022 on 14<sup>th</sup> September 2021. (Participants attendance, Programme moderator and Report preparation)
6. Organizing Committee Member in a 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 - 11<sup>th</sup> March 2020. (Role: Participants attendance, registration fee collection and certificates writing and distribution).

### **Membership in Professional Research Bodies:**

1. Life member of “**Indian Botanical Society**”, Nagpur, Maharashtra, India.
2. Annual Member of “**Society for Plant Research**” (Membership No: SPR-AM-2263), Greater Noida, Uttar Pradesh, India.
3. Life member of “**Asian Phytopathological Society**”, Asia.

### **Research Papers Publication:**

**(International – 08 (SJIF – 14.892) & Proceedings – 01) (Citation – 16, H-index – 02 & i10 - Index - 01).**

1. **R. Syed Moideen** and A. Lakshmi Prabha. Plant mediated synthesis of silver nanoparticles from leaf extract of *Phyllanthus amarus* L. and their antibacterial activity. International Journal of Botany Studies. Vol – 7, Issue – 1, Pg. No: 251-257, Jan-2022. (ISSN - 2455-541X, Web of Science).
2. **Syed Moideen Rahamathullah** and A. Lakshmi Prabha Azhagiyamanavalan. Evolution of Free Radical Scavenging Activity of *Luffa acutangula* Linn. Var. *amara*. Roxb. Fruit Extract. International Journal of Botany Studies. Vol – 6, Issue – 3, Pg. No: 616 – 619, June – 2021. (ISSN - 2455-541X, Web of Science).
3. **R. Syed Moideen** and A. Lakshmi Prabha. Biosynthesis of Silver Nanoparticle Using *Vitex negundo* Leaf Extract and Its Antibacterial Activity. International Journal of Research and Analytical Reviews (IJRAR). Vol – 7, Issue – 1, Pg. No: 801 – 809. March – 2020, ISSN - 2349-5138.
4. **R. Syed Moideen** and A. Lakshmi Prabha. Callus Mediated Regeneration of Medicinally Important Plant *Luffa acutangula* Linn. Var. *amara* Roxb. National Conference on “New Avenues in Life Science: Trends and Challenges”, 28<sup>th</sup> & 29<sup>th</sup> Jan 2016, Pag. No: 27. ISBN – 978-93-852835-2-9.
5. Nazeerullah R., Tajuddin N, **Syed Moideen R.** Studies on bacteriorhodopsin synthesis in UV induced Mutant *Halobacterium salinarium* with different time of UV exposure. International Journal of Scientific Research (IJSR) Vol – 5, Issue – 1, 925-933. Jan – 2016, ISSN No – 2277-8179.
6. **R. Syed Moideen**, A. Lakshmi Prabha. *In Vitro* Plant Regeneration of *Luffa acutangula* Roxb. Var *amara* Lin.: An Important Medicinal Plant. International Journal of Science and Research (IJSR) Volume 4 Issue 5, May 2015. 117 – 122 ISSN (Online): 2319-7064.
7. **R. Syed Moideen**, Lakshmi Prabha A (2014). Green synthesis of silver nanoparticles using *Luffa acutangula*. Var. *amara*. Lin. And its antibacterial activity. Int J Pharm Bio Sci 2014 Oct; 5(4): (B) 1051 – 1061. ISSN - 0975-6299 (SJIF – 7.446, Elsevier Scopus).
8. **R. Syed Moideen**, Lakshmi Prabha A. *In vitro* studies on *Luffa acutangula* Lin. var. *amara*. Roxb - an important medicinal plant. Int J Pharm Bio Sci 2014 Jan: 5 (1): 925 - 933. ISSN - 0975-6299 (SJIF – 7.446, Elsevier Scopus).

### **Research Papers in Communication (International – 03):**

1. **R. Syed Moideen** and A. Lakshmi Prabha. Larvicidal Activity of *Luffa acutangula* L. Var. *amara*. Roxb. Extracts against *Aedes aegypti* and *Culex quinquefasciatus*. Asian Journal of Biological Sciences (AJBS – Web of Science) (Under Review).
2. **R. Syed Moideen** and A. Lakshmi Prabha. Effect of Anti-Cancer Activity Induces Human Cervical Cancer Cell (HeLa ME- 180) using *Luffa acutangula* Linn. Var. *amara*. Roxb. (European Journal of Integrative Medicine - Elsevier) (Waiting for Publication).
3. **R. Syed Moideen** and A. Lakshmi Prabha. Efficient and Reproducible Somatic Embryogenesis and Micropropagation In *Luffa Acutangula* Linn. Var. *Amara* Roxb. (Plant Cell, Tissue and Organ Culture (Biocatalysis and Agricultural Biotechnology – Springer) (Under Review).



### **Books / Laboratory Manual Prepared:**

- Practical Manual Preparation for Allied Botany Practical.
  - (i). Laboratory Course for Allied Botany – VIII (**Sub. Code: 20UBO4A8P, Sub. Title: Applied Botany – II**).
  - (ii). Laboratory Course for Core – III, V, & XIV (**Sub. Code: 20UBO2CC3, 20UBO3CC6P & 20UBO6CC16P, Sub. Title: Plant Anatomy and Embryology, Cytology and Genetics & Plant Molecular Biology and Biotechnology**).

### **Resource Person:**

1. **Served as a resource person** in the “One week Hands on Training Programme on **Spectroscopic and Chromatographic Techniques**” on 09<sup>th</sup> to 15<sup>th</sup> Feb 2024. Organize by Jamal Instrumentation Centre (JAMIC), Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020, Tamil Nadu, India.
2. **Served as a resource person** in the Young Student Scientist Programme (YSSP – 2022) on 19.05.2022, Catalysed and supported by Tamil Nadu State Council for Science and Technology and conducted at Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.
3. **Acted as a Jury Person** in the event “Talk-A-Minute” in the National Science Day Celebrations, held on 3<sup>rd</sup> March 2021, Organized by Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020, Tamil Nadu, India.
4. **Acted as a Hall in charge in BDU Fest – 2019** in 18.10.2019 – 20.10.2019. Bharathidasan University, Tiruchirappalli - 620 020, Tamil Nadu, India.
5. **Acted as a Jury Person** in “Veetukoru Vignani 2019”, Science Exhibition Organized by Periyar Centenary Memorial Matriculation Higher Secondary School & Puthiya Thalaimurai, Trichy on 13.07.2019.
6. **Acted as a Guest Speaker** delivered a lecture entitled on “**Grow the Trees and Harvest the Rain, Protect our Future Generation**”. 2019. NSS Special Camp at Servite Women’s Arts & Science College, T. Idiyappatti (Vil), Thogaimalai – 621 313. Karur (Dt), Tamil Nadu, India.
7. **Acted as a Resource Person** delivered a lecture entitled on “**Mendel’s Law of Inheritance**” 21<sup>st</sup> February 2018 at Pavendar Bharathidasan College of Arts & Science College. Mathur, Tiruchirappalli – 620 024.
8. Actively participated in “B” Certificate and ‘A’ Grade in NCC (Infantry).

### **Papers Presented/Attended in National & International Conferences & Seminars (Total – 57).**

#### **Papers Presented:**

1. **Presented a Research Paper** in “**VOICE-virtual 3<sup>rd</sup> International Conference on Environment, Agriculture, Chemical and Biological Sciences – ICEACBS-2022**” organized by VOICE, CAFRE & LINK-CAFRE, University of Pisa, Italy & Murray State University, Murray, Kentucky, United States of America. 22<sup>nd</sup>, 23<sup>rd</sup> & 26<sup>th</sup> Jan 2022.
2. **Presented a Research Paper** on “National Seminar on Frontiers in Biological Innovations for Resource Management, Patents and Entrepreneur Development” on 10<sup>th</sup> & 11<sup>th</sup> March 2020, organized by PG & Research Department of Botany, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.

3. **Presented a Research Paper** on International Seminar on “Emerging Trends in Biological Research (ETBR 2018)” held on 3<sup>rd</sup> March, 2018 at Department of Biotechnology & Microbiology, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.
4. **Presented a Research Paper** on “International Conference on Environment and Health in Changing Climate” held on 14<sup>th</sup> – 16<sup>th</sup> September 2016 at Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
5. **Presented a Research Paper** on “National Conference on Emerging Trends in Plant Science” held on 10 – 11<sup>th</sup> March, 2016 at Department of Plant Science, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
6. **Presented a Research Paper** on “New Avenues in Life Science: Trends and Challenges” held during 28<sup>th</sup> & 29<sup>th</sup> January 2016, in Life Science Departments, Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur, Tamil Nadu, India.
7. **Presented a Research Paper** on 25<sup>th</sup> Silver Jubilee Conference of Indian Association for Angiosperm Taxonomy (IAAT) and Council Meeting of International Association for Plant Taxonomy, International Seminar on “Advancements in Angiosperms Systematics and Conservations” from 19<sup>th</sup> to 21<sup>st</sup> November 2015 held at Department of Botany, University of Calicut, Kerala, India.
8. **Presented a Research Paper** on National Conference on “Transgenic Plants and Food Security of Nation” (TPFSN - 2015) held on 27<sup>th</sup> February 2015 at Department of Botany, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India. **\*This paper received Best Paper Award.**
9. **Presented a Research Paper** on National Seminar on “New Frontiers and Biotechnology” Department of Botany, Goa university, Goa, during 29<sup>th</sup> – 30<sup>th</sup> January 2015.
10. **Presented a Research Paper** on 24<sup>th</sup> Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Conference on “Trends in Plant Systematic” (TIPS) held on 31<sup>st</sup> October to 2<sup>nd</sup> November 2014 at Department of Plant Science, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
11. **Presented a Research Paper** in National Conference on “Recent Trends in Bioprospecting of Plants held during 28<sup>th</sup> & 29<sup>th</sup> March 2014 at the Department of Plant Science, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
12. **Presented a Research Paper** on National Conference On “Recent Trends in Plant Biotechnology” held on 27<sup>th</sup> & 28<sup>th</sup> February 2013 at Department of Plant Science, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
13. **Presented a Research Paper** on National Conference On “Genomics and Genetics Engineering Strategies for Crop Improvement” during 27<sup>th</sup> & 28<sup>th</sup> February 2012 at Department of Biotechnology, Periyar University, Salem, Tamil Nadu, India.

### **Participated:**

1. **Attended** in a “One Week Faculty Developmental Programme on Road Map for Intellectual Property Rights”, organized by IPRC, IQAC and IIC of Jamal Mohamed College Tiruchirappalli, Tamil Nadu, India. 08<sup>th</sup> to 12<sup>th</sup> Jan 2024.
2. **Attended** in a Webinar entitled on “Active Learning an Assessment to Archive Outcome Based Learning” organized by Curriculum Development Cell, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India. 5<sup>th</sup> to 7<sup>th</sup> July 2023.

2. **Attended** in a Webinar entitled on “Why o Elephants visit my village” on the occasion of International Biodiversity Day 2023, organized by Department of Biodiversity & Amrita Vishwa Vidyapeetham, Tamil Nadu, India. 22<sup>nd</sup> May 2023.
4. **Participated** a National level Virtual Workshop on “**Entrepreneurship Developmental Programme on Edible Mushroom Cultivation**” organized by Department of Botany, School of Life Sciences, Bharathidasan University, Tiruchirappalli-24, Tamil Nadu, India. 29<sup>th</sup> & 30<sup>th</sup> December 2021.
5. **Participated** an International Webinar on “Future Prospectus on Cell an Molecular Biology” organized by the Department of Biotechnology, Cauvery College for Women (Autonomous), Tiruchirappalli, Tamil Nadu, India. 9<sup>th</sup> November 2021.
6. **Participated** in a the Faculty Development Programme on (FDP) “International Webinar on Biological Innovations for Resource Management and Sustainable Development” organized by the Department of Botany, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India. 24<sup>th</sup> to 26<sup>th</sup> August 2021.
7. **Participated** in a Faculty Enrichment Programme on “Art of writing in indexed journal publications” organized by the Department of Library in association with Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India. 28<sup>th</sup> July 2021.
8. **Participated** in a National level Webinar on "**Ecology, behaviour, threats and conservation of Indian Blue Peafowl Pavo cristatus**" Organized by Nature Club of Rajapalayam Rajus' College and Wildlife Association of Rajapalayam (WAR) on 11<sup>th</sup> June, 2021.
9. **Participated** in a International Webinar on “**Microbiome and Proteome in Human Life**” held on 20<sup>th</sup> April 2021, organized by Bon Securs Arts and Science College for Women, Mannargudi, Tamil Nadu, India.
10. **Participated** in a 2-day Webinar entitled “**Alternative Avenues for Life Science Graduates**” held on 6<sup>th</sup> and 7<sup>th</sup> October 2020, organized by the Department of Genetic Engineering, SRM Institute of Science and Technology, Kattankulathur, Chennai, Tamil Nadu, India.
11. **Participated** in a Webinar Session “**X- Fragile Chromosome in Human**” held on 18<sup>th</sup> July 2020,
12. organized by Department of Zoology. Michael Job College of Arts and Science for Women, Sulur, Coimbatore, Tamil Nadu, India.
13. **Participated** in a National Webinar Lecture Series on “**Biosciences**” organized by PG & Research Department of Botany, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India. 13<sup>th</sup> to 15<sup>th</sup> July 2020.
14. **Participated** in a Two-day International Webinar “**Research Evolution Towards Current Scenario**” Held on 13<sup>th</sup> & 14<sup>th</sup> July 2020, PG and Research Department of Chemistry, Periyar EVR College, Tiruchirappalli, Tamil Nadu, India.
15. **Participated** in a International Webinar Lecture Series on “Biological Sciences” organized by PG & Research Department of Botany, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India. 6<sup>th</sup> to 8<sup>th</sup> July 2020.
16. **Participated** in a International Webinar Lecture Series - 5<sup>th</sup> Episode on "Evolving Urban World: Environment, Informed Decision Making, Governance, and Sustainable Resilience" organized by the Department of Geography on 27<sup>th</sup> June 2020. Nirmala College for Women, Red Fields, Coimbatore, Tamil Nadu, India.
17. **Participated** in a International online seminar on “Natural Products for Health Management” Organized by Department of Botany, Periyar University Constituent College of Arts and Science, Harur, Dharmapuri, Tamil Nadu held on 10<sup>th</sup> to 16<sup>th</sup> June 2020. Tamil Nadu, India.
18. **Participated** in a One-day webinar entitled, “Commemoration of World Oceans Day” conducted by Department of Marine Science, School of Marine Sciences, Bharathidasan University, Tiruchirappalli-24 on 08<sup>th</sup> June, 2020.
19. **Participated** in a International webinar lecture series - 1<sup>st</sup> episode on "Gis And Remote Sensing Solutions for Post Covid-19 New World Order" organized by the Department of Geography on 04.06.2020. Nirmala College for Women, Red Fields, Coimbatore, Tamil Nadu, India.

20. **Participated** in the National Innovation webinar on “Social Innovation and Change Management” held on 5<sup>th</sup> June 2020. Institution’s Innovation Council (IIC), Holy Cross College (Autonomous), Tamil Nadu, India.
21. **Participated** in a Indo-UK Virtual Conference ‘Current Innovations and the Future of Therapeutic Developments’ CIFTD-2020, organized by Centre for Biomaterials Cellular & Molecular Theranostics (CBCMT) at Vellore Institute of Technology (VIT), Vellore, India and Swansea University, United Kingdom during 1<sup>st</sup>-3<sup>rd</sup> June, 2020.
22. **Participated** in a “National webinar on Investigations on Nano-Crystals” organized by Department of Chemistry and Research & Development cell, Mass College of Arts and Science, Kumbakonam, Tamil Nadu, India. 25<sup>th</sup> May 2020.
23. **Participated** in a webinar on “Magnetic Nanocarriers for Enhanced Enzyme Activity”, on 30<sup>th</sup> May 2020. Conducted by the Department of Biotechnology. Prathyusha Engineering College, Chennai, Tamil Nadu, India.
24. **Participated** in a International Webinar “Nano – The Tiny Warrior – Engineering Nanomedicine Drug Delivery System” organized by Department of Chemistry, Kongu Engineering College, Perundurai, Erode District, Tamil Nadu, India. 30<sup>th</sup> May 2020.
25. **Participated** in a Leadership Talk with Dr. Nilesh N Oak, Expert (Indian Civilization & History) held on 30<sup>th</sup> May, MHRD Innovation Cell, Govt. of India) Hosting Live session of Leadership Talk by MHRD's Innovation Cell, Government of India. India.
26. **Participated** in a Webinar on “A stroll through the mystical Quantum Mechanics” held on May 29<sup>th</sup> May 2020 organized by the PG Department of Physics, Bhaktavatsalam Memorial College for Women, Korattur, Chennai, Tamil Nadu, India.
27. **Participated** in a webinar titled “Metal Complexes to Metal Nanoparticles for Efficient Catalysis” held on 28<sup>th</sup> May 2020 organised by School of Chemical and Biotechnology, SASTRA Deemed to be University. Tanjore, Tamil Nadu, India.
28. **Participated** and successfully completed Virtual Faculty Development Programme (FDP) on “Uncovering PIAZZA for Effective Teaching” organized by Department of Plant Biology and Plant Biotechnology, Presidency College, (Autonomous), Chennai on 27<sup>th</sup> May 2020.
29. **Participated** in Two Day National level webinar on “Recent Trends in Biological Sciences” organised by the Department of Biochemistry, Sree Narayana Guru College, Coimbatore, Tamil Nadu, India. 21<sup>st</sup> & 22<sup>nd</sup> May 2020.
30. **Participated** in a Webinar on “Quality Metrics in Higher Education” organized by The Internal Quality Assurance Cell, Sadakathullah Appa College (Autonomous), Rahmath Nagar, Tirunelveli, under the UGC Paramarsh Scheme on 21<sup>st</sup> May 2020. Tamil Nadu, India.
30. **Participated** in a Webinar entitled “Research to Publication – An Expert View” on 09<sup>th</sup> May 2020, organized by Centre for Molecular and Nanomedical Sciences, Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu, India.
31. **Participated** in a National level webinar on “Joy or Orderly Living” held on 05<sup>th</sup> May 2020. Kamadenu Arts and Science College, Sathyamangalam, Erode District, Tamil Nadu, India.
32. **Participated** in a webinar “Innovations in Higher Education: An Exposure during COVID 19” organized by Aalim Muhammed Salegh College of Engineering Avadi-IAF, Chennai on 22<sup>nd</sup> April 2020. Tamil Nadu, India.
33. **Successfully Completed** an “Online course How to become online Teacher” held on 19<sup>th</sup> April 2020. Organized by AMITY University, Noida, Mumbai, India.
34. **Participated** in a special lecture on “**Intellectual Property Rights and Prior Art Search for Research Development**” held on 5<sup>th</sup> Feb, 2020 at Intellectual Property Rights Cell of Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.
35. **Attended** a National Conference on Recent Advances in Plant Science: Towards Food and Food Security held on 15<sup>th</sup> March, 2018 at the Department of Botany, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
36. **Participated** in a “Intellectual Property Rights and Patenting in life Sciences: Problems and

Prospects” 1<sup>st</sup> March 2018, Organized by PG and Research Department of Botany, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.

37. **Participated** in a National Conference on “Recent Advances in Plant Science” at 9-10<sup>th</sup> March 2017, at Department of Plant Science, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
38. **Attended** in a National Seminar on “Recent Trends in Secondary Metabolic Engineering” held on 5<sup>th</sup> January 2010 at Department of Plant Science, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
39. **Attended** in a “State Level Intercollegiate Students Seminar” held on 15<sup>th</sup> February 2008 at Department of Botany & Biotechnology, Thiagarajar College, Madurai, Tamil Nadu, India.
40. **Attended** in a National Seminar on “Trends in Modern Biology” held on 15<sup>th</sup> March 2007 at Department of Plant science, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
41. **Attended** in a National Seminar on “Ensuring Environmental Sustainability” during 7<sup>th</sup> & 8<sup>th</sup> March 2007 at Department of Environmental Sciences, Bishop Heber College, Tiruchirappalli, Tamil Nadu, India.
42. **Attended** in a “Regional Seminar on Recent Trends in Biotechnology and Its Role in Utilization of Biodiversity” during 5<sup>th</sup> & 6<sup>th</sup> March 2007 at Department of Botany, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.
43. **Participated** in a “Regional Conference on the Fern Diversity of India” conducted by the Centre for Biodiversity and Biotechnology on 24<sup>th</sup> February 2007. St. Joseph’s College, Tiruchirappalli, Tamil Nadu, India.

#### **National & International FDP / Workshops Attended (Total – 20):**

1. **Participated “A Five day Faculty Development Programme on Plant Microbes Interactions for Sustainable Development”** Organized PG and Research Department of Botany & P.G. and Research Department of Microbiology and Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli, on 05<sup>th</sup> to 09<sup>th</sup> June, 2024.
2. **Participated “Faculty Development Programme on Instrumentation of UV-Visible, FT-IR & FT-Raman Spectroscopy”** Organized PG and Research Department of Chemistry & PG and Research Department of Physics and Jamal Instrumentation Centre, Jamal Mohamed College (Autonomous), Tiruchirappalli, on 4<sup>th</sup> to 8<sup>th</sup> December, 2023.
3. **Participated Three-Days workshop on “Active Learning Techniques and Assessment to Achieve Outcome Based Learning”** Organized Curriculum Development Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli, on 5<sup>th</sup> to 7<sup>th</sup> July, 2023.
4. **Attended** a “Six day Faculty Development Programme on “Emerging Innovations in Chemistry and Chemical Technology - (EICCT- 2023)” (FDP). Organized by Department of Chemistry, Arasu Engineering College, Kumbakonam. Tamil Nadu, India. 11<sup>th</sup> to 16<sup>th</sup> Sep. 2023.
5. **Attended** a “One-Day Faculty Development Programme (FDP)” organized by Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India. 13<sup>th</sup> June 2023.
6. **Attended** a “Five-Day Faculty development Programme (FDP)” organized by Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India. 5<sup>th</sup> to 9<sup>th</sup> June 2023.
7. **Actively Participated** in the “Staff Enrichment Programme on Ownership Culture” Organised by the **Internal Quality Assurance Cell** of the college on 14<sup>th</sup> June 2022. Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.

8. **Actively Participated** in the workshop on “Effective Implementation of Outcome Based Education” organized by the Curriculum Development Cell on 26<sup>th</sup> April 2022. Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.
9. **Participated** “A State Level Workshop on “Production and Formulation of Bioinoculants” Organized PG and Research Department of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli, in association with Internal Quality Assurance Cell (IQAC) on 31<sup>st</sup> March, 2022.
10. **Actively Participated** in the one day “Online Workshop on Vermitechnology” organized by the P.G and Research Department of Zoology, Jamal Mohamed College, Tiruchirappalli, Conducted on 11<sup>th</sup> July 2020.
11. **Actively Participated** “Online Training on Electrophoresis” organized by the P.G and Research Department of Zoology, Jamal Mohamed College, Tiruchirappalli, conducted on 9<sup>th</sup> July 2020.
12. **Actively Participated** in “Science and Society – Challenges in Biotechnology” Organised on 27<sup>th</sup> February 2019 held at Department of Botany, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
13. **Actively Participated in** “UGC CPE Sponsored Two – Day Workshop on Professional Development for Academic Leadership in Curriculum Design” Organized by **Curriculum Development Cell** of the college on 18<sup>th</sup> and 19<sup>th</sup> January 2019. Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.
14. **Actively Participated in** Science Academies’ Lecture Workshop on “Conservation and Utilization of Bioresources” held at 06<sup>th</sup> & 7<sup>th</sup> December 2018 at PG and Research Department of Biotechnology, Srimad Andavan Arts & Science College, Tiruchirappalli, Tamil Nadu, India.
15. **Actively Participated in** “Improving Teaching Practices – A Strategic Approach” Organized by the **Internal Quality Assurance Cell** of the college on 23<sup>rd</sup> June 2018. Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.
16. **Attended** a National Level Lecture Workshop on “Plant Tissue Culture and Phytochemistry” held at 21<sup>st</sup> March, 2018 at the Department of Botany, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
17. **Attended** “Science Academies’ Lecture Workshop on Conservation and Protection of Bioresources” organized by Department of Botany, School of Life Sciences, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. On 24<sup>th</sup> & 25<sup>th</sup> January, 2018.
18. **Actively Participated** in the Three-Day NLP-Based Faculty Empowerment Programme Organized by the **Internal Quality Assurance Cell** of the college on 17<sup>th</sup>, 19<sup>th</sup> & 20<sup>th</sup> June 2017. Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.
19. **Participated** State level Workshop On “Phytochemistry for Health and Environment” organized by Department of Environmental Biotechnology & Department of Plant Science, Bharathidasan University, Tiruchirappalli on 08<sup>th</sup> to 11<sup>th</sup> February 2016, Tamil Nadu, India.
20. **Attended** One Day Regional Workshop On “Recent Trends in University – Industry Relations” 16<sup>th</sup> February 2012 at Department of Environmental Management, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
21. **Attended** National Workshop on “Personality Development Programme” organized by NSS (National Service Scheme) Bharathidasan University unit on March 3<sup>rd</sup> & 4<sup>th</sup> 2011 at Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
22. **Attended** National Workshop on “Scholarly Information Access” during 23<sup>rd</sup> & 24<sup>th</sup> October 2009 at University Library Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.

### **E-Content:**

1. [https://www.jmc.edu/econtent/ug/6762\\_Dr\\_RSM\\_Bacterial\\_growth\\_curve\\_compressed.mp4](https://www.jmc.edu/econtent/ug/6762_Dr_RSM_Bacterial_growth_curve_compressed.mp4).
2. [https://www.jmc.edu/econtent/ug/Dr\\_RSM\\_Gram\\_Stain\\_Techniques\\_compressed.mp4](https://www.jmc.edu/econtent/ug/Dr_RSM_Gram_Stain_Techniques_compressed.mp4).
3. [https://www.jmc.edu/econtent/ug/Dr\\_RSM\\_Fritsch\\_Classification\\_compressed.mp4](https://www.jmc.edu/econtent/ug/Dr_RSM_Fritsch_Classification_compressed.mp4).

### **Methods/Technical Expertise:**

- ❖ Plant tissue culture (Adventitious root & shoot culture, Callus culture; Organogenesis & Somatic Embryogenesis)
- ❖ Phytochemical isolation and purification (Column chromatography, HPLC and HPTLC)
- ❖ Green synthesis of Nano-particles (Characterization and Biological application)
- ❖ DNA isolation (CTAB-method)
- ❖ DNA barcoding
- ❖ Agarose gel electrophoresis
- ❖ Plant pathological studies (Bacterial & Fungal isolation and identification)
- ❖ Mycorrhizal isolation and identification

### **Areas of Interest:**

- Plant Breeding and Genetics
- Tissue Culture Techniques
- Floriculture
- Gene Transformation
- Molecular Techniques
- Histochemistry
- Biopesticides
- Pharmacological Studies
- Bio-Nanotechnology
- Agricultural & Horticultural Techniques

### **Personal Details:**

Father's Name : **S/O Late Mr. M. RAHAMATHULLAH**

Age and Date of Birth : **38 years 28.10.1985**

Place of Birth : **Tamil Nadu, India.**

Nationality : **Indian**

Religion : **Muslim**

Gender : **Male**

Marital Status : **Married and blessed with two children.**

Languages Known : **English & Tamil (Read, Write & Speak)**

Passport No : **K2716052**

Address to communicate : PG & Research Department of Botany  
Jamal Mohamed College (Autonomous)  
Accredited with 'A++' Grade by NAAC with CGPA 3.69 out of 4.0  
(Affiliated to Bharathidasan University)  
Tiruchirappalli – 620 020.  
Tamil Nadu, India.

Home town address : P. No: 202, 6<sup>th</sup> Cross, Sri Gowri Nagar  
Near Theeran Nagar, Piratiyur (P.O),  
Tiruchirappalli – 620 009.  
Tamil Nadu, India.

### **References:**

- **Dr. A. Lakshmi Prabha**  
Professor  
Department of Botany  
School of Life Sciences  
Co-Ordinator NSS & Red-Ribbon Club  
Bharathidasan University  
Tiruchirappalli - 620024.  
E. mail: [dralprabha@yahoo.com](mailto:dralprabha@yahoo.com)  
Mobile: +91-88708 88903.
- **Dr. N. Tajjuddin**  
Pro-Vice Chancellor,  
B. S. Abdur Rahuman Crescent Institute of Science and Technology,  
Vandalur, Chennai.  
Former Director,  
National Facility for Marine Cyanobacteria (NFMC)  
Department of Microbiology  
Bharathidasan University  
Tiruchirappalli - 620024.  
E. mail: [nthaju2002@bdu.ac.in](mailto:nthaju2002@bdu.ac.in)  
Mobile: +91-9842379719.
- **Dr. M. Ghouse Basha**  
Associate Professor & Head  
Former Dean Faculty of Science,  
Department of Nutrition & Dietetics  
Jamal Mohamed College (*Autonomous*)  
Accredited with 'A++' Grade by NAAC (4<sup>th</sup> Cycle) with CGPA 3.69out of 4.0  
Tiruchirappalli - 620020.  
E. mail: [ghobashjmc@yahoo.co.in](mailto:ghobashjmc@yahoo.co.in)  
Mob: +91 9443891653 / 8610396907.



- **Dr. Nazeerullah Rahamathullah**  
(Alumnus)  
Assistant Professor of Microbiology  
Department of Biomedical Sciences,  
College of Medicine,  
Gulf of Medical University, Ajman, U.A.E  
E. mail: [dr.nazeer@gmu.ac.ae](mailto:dr.nazeer@gmu.ac.ae)  
Mobile: 00971-503201047.

**DECLARATION**

I hereby declare that the above information furnished by me is true to the best of my knowledge and belief.

Yours faithfully



**(R. SYED MOIDEEN RAHAMATHULLAH)**