

CURRICULUM VITAE



Dr. R. SATHISH KUMAR M.Sc., B.Ed., M.Phil., Ph.D., SET.
Assistant Professor of Botany
Jamal Mohamed College (*Autonomous*)
Tiruchirappalli

Personal Details

Permanent Address : East Street
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Present Address : No 19/8, 2nd Street,
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Address (office) : Assistant Professor of Botany
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Tiruchirappalli-620020

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Additional Responsibilities

- **Department Test In-charge**, Jamal Mohamed College (Autonomous), Tiruchirappalli (2017 to 2022)
- **UG Tutor In-Charge**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2019 to 2022)
- **DBT Star College Scheme Departmental Deputy Coordinator**
Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2020 to 2021).
- **Department Library In-charge**, Jamal Mohamed College (Autonomous), Tiruchirappalli (2020 to 2022)
- **Medicinal Garden Member In-charge (Maintenance)**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2018 to 2022)
- **Moral Education Instructor**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2018 to till date)
- **Micro Cell Member of Internal Quality Assurance Cell (IQAC)**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2020 to 2024)
- **ARIIA-Team Member**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2020 to 2023)
- **Botany Association Vice President**, Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2022-2023)
- **UG Tutor In-Charge**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2022 to 2025).
- **Students Monitoring Committee Member**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu.
- **In-Charge for Mushroom and *Azolla* cultivation**
- **Department Web In-charge (2024-2025 onwards)**
- **Department Library In-charge (2024-2025 onwards)**
- **Convener – UGC Prevention of Caste based discrimination Committee (2025-2026 onwards)**
- **Member - Green Campus Committee (2025-2026 onwards)**
- **Admission Committee Member (2025-2026 onwards)**

Academic Credentials			
Degree	Name of The Institution	Year of Passing	Percentage With Grade
Ph. D	AVVM Sri Pushpam College (Autonomous) Poondi, Thanjavur.	2020	Commended
TNSET (Life Science)	State Eligibility Test for Assistant Professor	2016	Passed
M. Phil (Botany)	Jamal Mohammed College (Autonomous) Tiruchirappalli-620 020	2011	78% First Class with Distinction 'D' Grade
M. Sc (Botany)	Jamal Mohammed College (Autonomous), Tiruchirappalli-620 020	2009	80% First Class with Distinction 'D+' Grade
B. Ed (Life science)	Institute of Advanced Study in Education (Govt. Teacher College) Saidapet, Chennai.	2007	72.20% First-class
B. Sc (Botany)	AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur.	2006	77% First-class

Teaching Experience: 8 Years			
Designation	Institution	Period	Self-Finance / Govt.Aided
Assistant Professor	Jamal Mohammed College (Autonomous), Tiruchirappalli-620 020	01.07.2017 To 28.01.2020	Self-Finance
Assistant Professor	Jamal Mohammed College (Autonomous), Tiruchirappalli-620 020	29.01.2020 To Till Date	Government Aided

Area of Interest

- Plant Physiology
- Phytochemistry
- Plant Taxonomy
- Pharmacology & Pharmacocnosy
- Mushroom & *Azolla* cultivation techniques.

Research Projects Received

S. No	Title of the Project	Name of the Funding Agency	Duration	Remarks
1	Use of medicinal plant in novel approaches for control of gastrointestinal flukes in livestock with emphasis on small ruminants	Seed Money Project: Jamal Innovation and Incubation Centre (JIIC) JAMALMOHAMED COLLEGE (Autonomous)	2020-2021	Completed

PROJECT UNDERTAKEN

S.No	Name of The Student	Project Title	Year of Completion
PG PROJECT UNDERTAKEN			
1	TAMILSELVAN N (Reg. No. 16PBO008)	Antibacterial Activities of <i>Capparis Zelanica</i> Linn.	2018
2	SIVA KUMAR S (Reg.No:17PB013)	Antimicrobial Efficacy of <i>Cleome Gynandra</i> L. By Using Disc Diffusion Assay	2019
3	ARUL PANDIYAN E (Reg.No:18PBO002)	Preliminary Phytochemical Analysis and It's Antibacterial Efficacy of <i>Pedaliium Murex</i> L. By Using Disc Diffusion Assay	2020
4	KRISHNA DOSS A (Reg.No: 18PBO007)	Preliminary Phytochemical Analysis and Plant Mediated Synthesis of Silver Nanoparticles from Leaf Extract of <i>Hemidesmus Indicus</i> L. and their Antibacterial Activity.	2020
5	ABDUL ADHEEF B (Reg.No:19PBO025)	Preliminary Phytochemical Analysis and Antibacterial Efficacy of <i>Rauwolfia Tetraphylla</i> L.	2021
6	VIKAS VENU P V (Reg.No: 19PBO023)	Phytochemical Analysis and Anti- Bacterial Study of Leaf Extract of <i>Rauwolfia Tetraphylla</i>	2021
7	YASAR ARAFATH H (Reg.No: 19PBO024)	Preliminary Phytochemical Analysis and Antibacterial Efficacy of <i>Aegle Marmelos</i> L.	2021
8	MIDHUN M (Reg.No:20PBO017)	A Study on The Angiosperm Diversity and Ethnomedicinal Survey In Kuzhalmannam Grama Panchayath, Palakkad, Kerala.	2022

9	MAGESHKUMAR R (Reg.No:21PBO003)	Synthesis, characterization and application of zno nanoparticle for improved growth of horse gram	2023
10	MOHAMED USSAIN M (Reg. No: 22PBO013)	Synthesis, characterization and antimicrobial activity of zinc oxide nanoparticles using <i>capparis zeylanica l.</i>	2024
11	SUBAHANI K (Reg. No. 22PBO017)	Effect of Green Synthesised Zinc oxide (ZnO) Nanoparticles on growth of <i>Sesbania aculeata</i>	2024
12	MANIKANDAN P (Reg.No: 23PBO006)	Phytochemical Screening, GCMS analysis and antibacterial activity of <i>Pandanus amaryllifolius</i> Roxb. leaf extracts.	2025
UG PROJECT UNDERTAKEN UNDER DBT STAR COLLEGE SCHEME			
1	G. VASANTH RAJ (18UA4638) M.VASANTH KUMAR (18UA4639) R. MAGESHKUMAR (18UA4640) S.MOHAMED ADHAM (18UA4641) M.BALASEKAR (18UA4643)	Studies on Medicinal Plants for Prevalent Pest in Paddy Crop	2021
2	K.SUBAHANI (19UBO037) R. SURYA (19UBO038) S.RAGUNATH (19UBO035) G.R.SATHIYA MOORTHI (19UBO036) U.ZUNAID (19UBO040)	Morphological and Anatomical Modification of <i>Macrotyloma Uniflorum</i> (Lam.) Under Boron Deficiency	2022
3	S.ASHOKKUMAR (20UBO031) J.VISHNUKUMAR (20UBO032) M.VASANTHKUMAR (20UBO033) P.DEVANATHAN (20UBO034)	Effect of Zno Nano Particles on Growth of Horse Gram (<i>Macrotyloma Uniflorum.Linn</i>)	2023
4	E. SUKIMITHRAN (2IUBO022) A. RUBAN (2IUBO025)	Green Synthesis of Zinc oxide (ZnO) Nanoparticles to enhance the growth of <i>Sesbania aculeata</i>	2024
5	P.GUHANRAJ (22UBO007) A.KASIM AKMAL (22UBO012) M.NOORUL HAMEED (22UBO027) S.THAAHA (22UBO033)	Phytochemical Screening, GCMS analysis and antibacterial activity of <i>Pandanus amaryllifolius</i> Roxb. leaf extracts.	2025

Publications

1. **Sathish Kumar R**, Anburaj G, Vasantha S. Phytochemical Investigation of Ethanol, Methanol, Hydro-Alcoholic and Aqueous Flower Extracts of *Cassia* Species Asian Journal of Innovative Research 1(3)32-35 (2016).
2. **Sathish Kumar R**, Anburaj G, Manikandan R. A Review on cancer and antidiabetic Medicinal plants and Herbal formulations at Thanjavur district. International Recent Research Journal on science and Technology.10(2), 15-18 (2016).
3. **Sathish Kumar R**, Anburaj G, Subramanian A, Vasantha S, Pannerselvam A. In Vitro antioxidant potential of leaf extracts of *Capparis zeylanica* Linn. The Pharma Innovation Journal.8(4):176-181(2019).
4. **Sathish Kumar R**, Anburaj G, Subramanian A, Vasantha S, Pannerselvam A. Preliminary phytochemical investigation, antimicrobial activity and GCMS analysis of leaf extract of *Capparis zeylanica* Linn. Journal of Pharmacognosy and Phytochemistry. 8(1):1399-1405 (2019).
5. **Sathish Kumar R**, Anburaj, Mageshkumar R, Subramanian A, Vasantha S. *In vitro* assessment of antioxidant and anticancer activities of *Capparis Zeylanica* L. leaf extracts against human breast cancer (MCF-7). International Journal of Botany Studies. 6(6): 1301-1305 (2021)
6. Devika, K, Anburaj, G, **Sathish Kumar, R** and Manikandan, R. Green synthesis and characterization of Iron Nanoparticles synthesized from Aqueous extract of *Tabebuia rosea* family Bignoniaceae and in silico study of Ferrous metal ion. Eurobian chemical bulletin (2023)12 (10),9901-9920.
7. Devika,K, Anburaj, G, **Sathish Kumar, R** and Manikandan, R. *Tabebuia rosea* (family Bignoniaceae) Flower Extraction and its Antioxidant activity: Green synthesis of Iron Oxide Nanoparticles. Eur.Chem. Bull.2023,12(10),1164811660.
8. **Sathish Kumar, R**, and Anburaj G. Phytochemical screening by UV, FTIR and HPLC analysis of *Capparis zeylanica* leaf extracts. Research Journal of Agriculture sciences.15(3);843-847 (2024).
9. **Sathish Kumar R**, Anburaj, G, Vasantha. The phytochemical analysis and antibacterial effectiveness of leaf extracts from *Cleome gynandra* L. Ecology, Environment & Conservation (0971765X). 2025. Apr 2;31. DOI.: <http://doi.org/10.53550/EEC.2025.v31i03s.067>.

Paper Presentations

- Presented a paper entitled Invitro anticancer studies of *Capparis zeylanica* fruit in the national seminar on “Recent Trends in Botany (RTB-2017) Organized by PG and research department of Botany, Jamal Mohamed College (Autonomous) on 24.02.2016.
- Presented a paper entitled Phytochemical investigation and antimicrobial activity of *Capparis zeylanica* fruit in the international seminar on “Emerging Trends in Biological Research (ETBR 2018) Organized by PG and research department of Biotechnology & Microbiology, Jamal Mohamed College on 03.03.2018.
- Presented a paper entitled “Changes of Growth parameter of *Macrotyloma uniflorum* under Boron Deficiency” in the National Conference on Chemical, Biological and Medical Sciences (NCCBMS-23), held on 07-03-2023, Organized by PG and Research Department of Biochemistry, Thanthai Periyar Government Arts and Science College (Autonomous), Tiruchirappalli.
- Presented a paper entitled “Evaluation of invitro anticancer assay of *Capparis zeylanica* L. fruit extracts against MCF-7 cell line in International conference, organized by Department of Microbiology, Nadar Saraswathi College of Arts and Science, Theni. 23-01-2024 to 24-01-2024
- Presented a paper entitled “Effect of ZnO nanoparticles on growth of *Sesbania aculeata*” in international conference on Molecular basis of cancer and prevention organized by Prist Deemed to be University, Thanjavur on 07.02.2024n to 08.02.2024.
- Presented a paper entitled “Effect of ZnO nanoparticles on growth of *Macrotyloma unifloru*.L (Horse gram) in the international conference on “Biotechnological approaches for global Environmental Problems” Organized by PG and Research Department of Biotechnology Jamal Mohamed College (Autonomous) on 12.02.2024.
- Presented a paper entitled “Green synthesis of ZnONps using *Capparis zeylanica* L. extract on growth of *Macrotyloma*” International Conference on NURISH-2024, organized by PG and Research Department of Botany, Saraswathi Narayanan College, Theni on 12.09.2024.
- Presented a paper entitled “Phytochemical Screening and antibacterial activity of *Capparis zeylanica* leaf extracts in International Conference, organized by Department of Microbiology and Biochemistry, Nadar Saraswathi College of Arts and Science (Autonomous), Theni on 22.01.2025 to 23.01.2025.

Proceeding/Book Chapters

- **Sathish Kumar, R,** and Anburaj G. Phytochemical Screening and Antibacterial Screening of *Capparis zeylanica* leaf extracts. in International Conference, organized by Department of Microbiology and Biochemistry, Nadar Saraswathi College of Arts and Science (Autonomous), Theni on 22.01.2025 to 23.01.2025. (ISBN: 978-81-983240-3-0).
- **Sathish Kumar.** Evaluation of invitro anticancer assay of *Capparis zeylanica* L. fruit extracts against MCF-7 cell line in International conference, organized by Department of Microbiology, Nadar Saraswathi College of Arts and Science, Theni. 23.01.2024 to 24.01.2024 (ISBN: 978-81-965401-8-0)

FDP/SEMINAR/WORKSHOP Organized

- Served as organizing committee member in Faculty development Programme: Biological innovations for resource Management and Sustainable Development” organized by Organized by PG and research department of botany Jamal Mohamed College on 24.08.2021 to 26.08.2021.
- Organized Plant EXPO-2022 ON 02.03.2022, PG and Research Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020.
- Served as organizing committee member in the National Seminar on “Innovative Research Approaches in Biological Sciences” Organized by PG and research department of botany Jamal Mohamed College during 25th and 26th May 2022.
- Served as an organizing Assistant secretary committee member in National Science Day Celebrations-2023- Global Science for Global Wellbeing, Organized by Jamal Mohamed College (Autonomous), Truchirappalli on 23.02.2023.
- Served as organizing committee member in 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), Truchirappalli on 01.02.2024 to 07.02.2024.

Resource persons/ Jury Member in various capacities

- **Served as a Jury Member in the Event Science Exhibition in the National Science Day Celebrations** held on 28.02.2020, Organized by Jamal Mohamed College (Autonomous), Truchirappalli.
- **Served as a Jury Member in the Event Talk-A-Minute in the National Science Day Celebrations** held on 03.03.2021, Organized by Jamal Mohamed College (Autonomous), Truchirappalli.
- **Acted as a Resource Person and gave an oration in the Five days' national level virtual workshop on CSIR - NET/SET LIFE SCIENCE** Organized by PG and the Microbiology and Zoology (SF) Research Department, Kamaraj College. Thoothukudi from 20.09.2021 to 24.09.2021.
- **Served as a Resource Person in the Young Student Scientist Programme (YSSP – 2022)** on 19.05.2022, catalyzed and supported by Tamil Nadu State Council for Science and Technology and conducted at Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.
- **Acted as Resource Persons and gave a lecture on “Organic gardening for sustainable development and Identification of Wild vegetable”** A Summer Training Programme Organized by Department of Botany, Vivekananda College, Madurai-625 234 on 12-07-2022.
- **Acted as a Lesson writer for B.Sc., Botany Course, Centre for Distance Education,** Bharathidasan University, Tiruchirappalli, 2019.
- **Acted as Resource Person and gave a special lecture on “A Session on Achieving Problem - Solution Fit and Product-Market Fit”** Organized by Department of Biotechnology and Botany, Selvam Arts and Science College (Autonomous), Namakkal on 17.02.2023.
- **Acted as Resource Persons and gave an invited lecture on “Career Opportunities in Botany”** under DBT Star college Scheme, Organized by Department of Botany, Vivekananda College, Madurai-625 234 on 09-03- 2024.
- **Acted as Resource Persons and gave a Special Lecture Programme on Algal cultivation and Commercialization,** Organized by Department of Botany, Vivekananda College (Autonomous), Madurai on 24.09.2024.
- **Acted as Chairperson** on Intercollegiate student Meet PETALS -2025, Organized by Department of Botany, Vivekananda College (Autonomous), Madurai on 05.03.2025.

ORIENTATION/INDUCTION/FDP PROGRAMME

- Participated in the **three-day NLP-Based Faculty Empowerment programme**” Organized by IQAC, Jamal Mohamed College (Autonomous), Tiruchirappalli on 17.06.2017 to 20.06.2017.
- Participated in an online **faculty Development programme in the Data science using R and Geo Gebra** Organized by PG and research department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 11.05.2020 to 14.05.2020.
- Participated in the **Faculty Enrichment Programme “Ownership culture”** organized by the Internal Quality Assurance Cell of Jamal Mohamed College from 14.06.2020.
- Participated in the **Faculty Development Programme on “E-Content Development”** organized by the Internal Quality Assurance Cell of Jamal Mohamed College from 30.06.2020 to 04.07.2020.
- Participated in the **Faculty Empowerment Programme “Art of writing in indexed journal Publications”** organized by Department of Library science in association with the Internal Quality Assurance Cell of Jamal Mohamed College (Autonomous) on 28.07.2020.
- Participated in the **Faculty Empowerment organized by the Internal Quality Assurance Cell** of Jamal Mohamed College from 21.06.2021 to 25.06.2021.
- Successfully completed **Two Days “In-service Teacher Training” Programme in Life Sciences organized by Tamilnadu State Council For Higher Education held at H.H.Rajah’s College (Autonomous)**, Pudukkottai on 05.05.2022 to 06.05.2022.
- Participated in the **DST-SERB sponsored FDP Programme on “CO₂ Sequestration Research”** organized by the Department of Environmental Science and Management, Bharathidasan University, Tiruchirappalli held on 04-11-2022.
- Successfully Completed a **one-week Faculty Development Programme on Academic Research Writing”** Teaching learning center Ramanujam College, New Delhi on April 27.03.2023 to 02.04.2023
- Successfully Completed a **one-week Faculty Development Programme organized by IQAC,**

Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 05.06.2023 TO 09.06.2023.

- Successfully Completed a **one-week Faculty Development Programme on Current Trends in Life Sciences (CTLS'23)** organized by Research Department of Zoology, Sethalakshmi Ramasami College (Autonomous), Tiruchirappalli-620002 on 27.11.2023 to 03.12.2023.
- Participated in the **Faculty Development Programme on “Road map for Intellectual Property Rights”** organized by IPRC, the Internal Quality Assurance Cell and IIC of Jamal Mohamed College (Autonomous), Tiruchirappalli from 08.01.2024 to 12.01.2024.
- Participated in the **Faculty Development Programme** organized by Department of Botany & Microbiology and Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli from 05.06.2024 to 09.06.2024.
- Participated in the **Faculty Development Programme** organized by Department of Botany & Microbiology and Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli from 05.06.2024 to 09.06.2024.
- Participated in the **Faculty Development Programme** organized by Department of Botany, Bon Secure College for Women (Autonomous), Thanjavur on 14.10.2024 to 18.10.2024.

Induction and Refresher Courses

- Successfully Completed a **4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education"** Teaching learning center Ramanujam, College, New Delhi on June 04.06.2020 to 01.07.2020.
- Successfully completed **two-week interdisciplinary refresher courses on “advanced research methodology”** from 22-01-2022 to 05-02-2022. Teaching learning center, Ramanujam College University of Delhi in Collaboration with academia International College, Nepal.
- Successfully completed **two-week interdisciplinary Refresher Course in Life Science** organized by the UGC – Malaviya Mission Teacher Training Centre, Bharathidasan University, Tiruchirappalli, TamilNadu, India from 21.08.2025 to 03.09.2025.

Participation in Seminar/Conference/workshop

- Participated in the **International Conference on Chemical & Environmental Research (ICCER-2015)** Organized by Department of Chemistry, Jamal Mohamed College, Tiruchirappalli on 17.12.2015.
- Participated in the **International Seminar on Chemical Biology**, Organized by CRD, PRIST University, Thanjavur on 29.12.2016.
- Participated in the Science Academies' **Lecture workshop on "Perspectives in Biological Research"** organized by Department of Botany, AVC College, Mayiladuthurai on 23.01.2017 to 24.01.2017.
- Participated in the **lecture workshop on "Biodiversity and Bioresources: Conservation and utilization**, organized by PG and research department of Botany, Karur held on 08.02.2017 to 10.02.2017.
- Participated **international conference on "Microbiome and Health, Disease and Environment"** Organized by Central Inter-Disciplinary Research Facility, Sri Balaji Vidyapeeth, Pondicherry, India, held during 03.03.2017 to 04.03.2017.
- Participated in the **"Intellectual property rights and patenting in Life science: Problems and Prospects"** seminar. Organized by PG and research department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli on 01.03.2018.
- Participated in the **national conference on Recent advances in plants science: Towards food safety and food security"** held on 15.03.2018 at the Department botany, Bharathidasan University, Tiruchirappalli.
- Participated in the **lecture workshop on Plant Tissue Culture and Phytochemistry"** held at Bharathidasan University, Tiruchirappalli on 21.03.2018.
- Participated in the **One-day workshop on Improving Teaching Practices-A Strategic Approach** Organized by IQAC, Jamal Mohamed College (Autonomous), Tiruchirappalli on 23.06.2018.
- Participated in the **UGC CPE Sponsored Two-day workshop on professional Development for academic leadership in curriculum design** organized by Curriculum Development cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 18.01.2019 to 19.01.2019.
- Participated in the **One-day state level seminar on "Perspectives in plant systematics and conservation Biology"** Organized by PG and research department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli on 22.02.2019.
- Participated in **the workshop on Quality enhancement of effect on research: new paradigm in**

Trans- Trans- disciplinary approaches and IPR, organized by organized by the Internal Quality Assurance Cell and Jamal Incubation Centre of Jamal Mohamed College (Autonomous), Tiruchirappalli on 06.09.2019.

- Participated in the **special lecture on “Intellectual property rights and prior rights for research development”** Organized by IPR Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 05.02.2020.
- Participated in the online **National-level conference on crisis management** organized by the Department of Management Studies (BBA) on 23.05.2020.
- Participated in the **National Level Webinar on “Reflections and Suggestions on using Technology in Indian Schools and Universities”**, organized by School of Education, VELS Institute of Science, Technology and Advanced Studies (VISTAS), Chennai on 20.05.2020.
- Participated in the **One-day e-Conference on “COVID-19: Views and Challenges of Global Disease”** Organized by Research Department of Zoology, Govt.Arts College for Men. Krishnagiri on 22.05.2020.
- Participated in the **International symposium on Current Trends Research and Innovation (ISCTRI-20)** Organized by Department of Data Science, CHRIST Deemed to be a University, Association with association of computing machinery, Indore chapter & computing society of India on 20.06.2020.
- Participating in the **International Webinar on "APPROACHES ON ONLINE TEACHING AND ITS ASSESSMENT METHODS"** organized by the Department of Commerce (Shift II) in association with IQAC, Patrician College of Arts and Science, Chennai, Tamil Nadu, India on 04.07.2020.
- Participated in the **International Webinar on "Intellectual Property Rights Protection, Ownership, and Innovation"** hosted by Research cell, Dayananda Sagar College of Arts, Science and Commerce, Bangalore on 07.09.2020.
- Participated in **One Day National Level Webinar on “COVID-19 - WHAT DO WE KNOW TILL NOW”** on 19.11.2020 with certificate Id:3FUEM0-CE000115.
- Participated in national **Webinar on Shola Forest: A Paradise of Biodiversity** organized by Department of Botany, Bishop Heber College (Autonomous), Tiruchirappalli-17 on 17.06.2020 to 30.06.2020.
- Participated in **three Day National Level workshop on DNA Barcoding**, organized by

Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi on 22.05.2020 to 24.05.2020.

- Participated in the **National seminar on “Frontiers in Biological innovations for Resource Management, Patents and Entrepreneur Development.”**. Organized by PG and research department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli on 10.03.2020 to 11.03.2020.
- Participated in the Webinar entitled **“Research to Publication –An Expert View”** on 09.05.2020, Organized by Centre for Molecular and Nanomedical Sciences, Sathyabama Institute of Science and Technology, Chennai.
- Participated in the Webinar on **‘Safeguarding Savings in Pandemic Times’** by CA Pattabhi Ram, Author and Public Speaker, on 13.05.2020, Organized by the Post Graduate Department of Commerce – Shift II, in association with Prime Academy.
- Participated in the **one-day IQAC webinar “Assessment & Accreditation as a Measure of Internal Quality in HEI’s”** organized by Loganatha Narayanasamy Government College (autonomous), Ponneri 601 204, Tiruvallur dt, Tamilnadu.
- Participated in the **webinar on Survival games played by Bacteria organized by school of chemical & Biotechnology**, SASTRA Deemed to be University on 14.05.2020.
- Participated in **2nd International Conference on Emerging Trends in Life Sciences (ICETLS – 2021)**, Virtual Mode organized by the Department of Botany, Telangana University, Dichpally, Nizamabad held on 28.01.2021 to 29.01.2021.
- Participated in **One Day Online National Workshop on "Good Laboratory Practices and Maintenance of Museum Specimens”** organized by Department of Zoology of PSGVP Mandal's SIP Arts, GBP Science and STKVS Commerce College, Shahada, Dist. Nandurbar (M.S.), sponsored by Department of Biotechnology (DBT) Star College Scheme, Government of India, on 30.07.2021.
- Participated in the **UGC-Sponsored webinar on CLIMATE CHANGE** Organized by University Grant Commission human resource development center Bharathidasan University, Tiruchirappalli on 11.08.2021.

- Participated in the webinar titled " **Intellectual Property Rights** " held on 22.02.2021 organized by Research and Development Cell and IPR Cell with Chennai Softech - Technical Partner.
- Participated in the webinar on Patent filing process and Challenges organized by Jamal Mohamed College (Autonomous), Tiruchirappalli on 30.09.2021.
- Participated **three days' National workshop on "The cornerstones of the research process: Underveling the science of scientific writing and communication,** organized by Office of the Dean Research and IQAC Office, Periyar Maniyammai Institute of Science & Technology (Deemed to be University), Vallam, India on 28.04.2022 to 30.04.2022.
- Participated in the three days' **workshop on scientific Writing** organized by College of Fisheries Engineering, Nagapattinam from 24.07.2023 to 26.07.2023
- Participated one-day seminar on "Data Handling and visualization techniques using Data Structure Python" organized by Institution's Innovation Council (IIC) and Department of Information Technology, Bon Secours College for Women, Thanjavur on 02.09.2023.
- Participated Ten days national online capacity programme on "research Methodology and the Magic of Statistics" organized by Department of Economics, Prof.Ramakrishnana More Arts and Science College (Autonomous), Akurdi, Pune on 26.02.2024 to 06.03.2024.

Board of Studies in College/University

- ❖ **Board of Studies Member** for **UG and PG Botany** Programme in Jamal Mohamed College (*Autonomous*), Tiruchirappalli, Tamil Nadu (2020 to till date).
- ❖ **Lesion writer** for B.Sc., Botany Course, Centre for Distance Education, Bharathidasan University, Tiruchirappalli, 2019.

Memberships in Academic Bodies

- ❖ **Life member** - The Indian Botanical Society, MJP Rohilkhand University, Barielly-243006.
- ❖ **Life member** – Centre for Advanced Research in Agricultural Sciences, Jammu & Kashmir, India.

Moocs courses

Course Name	Awarding Agency NPTEL / SWAYAM / Others (specify)	Date of Enrollment	Date of Completion
Microbial Physiology and Metabolism	SWAYAM	01-07-2024	31.09.2025
Molecular Biology	SWAYAM	01-07-2024	31-01-2025
Forests and their Management	SWAYAM	20-01-2025	15.01.2025

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E-CONTENT

- Introduction of Photosynthesis
- Glycolysis – A Respiratory Phase.

AWARD AND RECOGNIZATION

- Received Best Paper Award in international conference, organized by Department of Microbiology, Nadar Saraswathi College of Arts and Science, Theni. 23.01.2024 to 24.01.2024
- Best Paper Award in international conference on Decoding the Universe, organized by Department of Microbiology, Nadar Saraswathi College of Arts and Science, Theni on 22.01.2025 to 23.01.2025.

Consultancy Offered and Income Generated

Name of the Consultant Department	Name of the Consultancy Project	Consulting / Sponsoring Agency	Revenue Generated (Rs.)	Duration
Botany	Mushroom Cultivation	Green Campus Organic Care Wing, Jamal Mohamed College (Autonomous).	3700	2024-2025

Mushroom and *Azolla* cultivation Training Offered

S.No	Name of the training	Beneficiary	Date
1.	Mushroom and <i>Azolla</i> cultivation	N&D Department Students JMC, Trichy	30.08.2024
2	Mushroom and <i>Azolla</i> cultivation	Zoology (SF) Department students JMC, Trichy	23.09.2024
3	Mushroom and <i>Azolla</i> cultivation	Zoology Deartment Student V.V.Vaaniaperumal College for Women, Virunagar District.	09.09.2025

Updated as on 25.10.2025