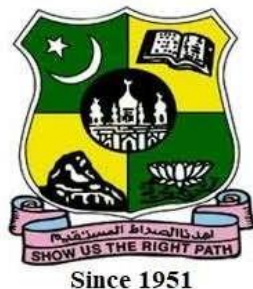


## CURRICULUM VITAE



**Dr. R. SATHISH KUMAR M.Sc., B.Ed., M.Phil., Ph.D., SET.**

**Assistant Professor of Botany**

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

**Tiruchirappalli, Tamil Nadu, India**



**Dr. R. SATHISH KUMAR M.Sc., B.Ed., M.Phil., Ph.D., SET.**  
**ASSISTANT PROFESSOR OF BOTANY**  
**JAMAL MOHAMED COLLEGE (Autonomous)**

### Contact

Address : S/O Rajalingam East Street  
Pulavar Natham (Post)  
Mariamman Kovil (Via)  
Papanasam (TK)  
Thanjavur - 613501.  
Tamilnadu, India.

Address (office) : Assistant Professor of Botany  
Jamal Mohamed College (Autonomous)  
Tiruchirappalli-620020

Employee Number : 78170

CPS.No : 8001009695

Blood Group : A+Ve

Date of Birth : 30-06-1986

Contact Phone (Mobile) : +91 7708564261

Contact e-mail(s) : [sathishjmcbot2017@gmail.com](mailto:sathishjmcbot2017@gmail.com)

**Teaching Experience: 6 Years****Academic Qualifications: M.Sc., B.Ed., M.Phil., Ph.D., SET.**

Area of Specialization : Plant Physiology, Biochemistry, Pharmacology &amp; Pharmacognosy

**Academic Credentials**

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

**Teaching Experience: 6 Years**

<b>Designation</b>	<b>Institution</b>	<b>Period</b>	<b>Self-Finance / Govt.Aided</b>
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

## 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

## Research Experience: 4 Years

S.No	Name of The Student	Project Title	Year of Completion
<b>PG PROJECT UNDERTAKEN</b>			
1	Tamilselvan N (Reg. No. 16PBO008)	Antibacterial Activities of <i>Capparis Zelanica</i> Linn.	2018
2	Siva Kumar S (Reg.No:17PBO013)	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>Rauvolfia Tetraphylla</i> L.	2021
6	Vikas Venu P V (Reg.No: 19PBO023)	Phytochemical Analysis and Anti-Bacterial Study of Leaf Extract of <i>Rauvolfia Tetraphylla</i>	2021
7	Yasar Arafath H	Preliminary Phytochemical Analysis and Antibacterial Efficacy of <i>Aegle Marmelos</i> L.	2021

	(Reg.No: 19PBO024)		
8	Midhun M (Reg.No:20PBO017)	A Study on The Angiosperm Diversity And Ethnomedicinal Survey In Kuzhalmannam Grama Panchayath, Palakkad, Kerala.	2022
<b>UG PROJECT UNDERTAKEN UNDER DBT STAR COLLEGE SCHEME</b>			
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 Zn Nano Particles on Growth of Horse Gram ( <i>Macrotyloma Uniflorum.Linn</i> )	2023

### Additional Responsibilities

1. **Department Test Incharge**, Jamal Mohamed College (Autonomous), Tiruchirappalli (2017 to 2022)
2. **UG Tutor In-Charge**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2019 to 2022)
3. DBT Star College Scheme Departmental Deputy Coordinator, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2020 to 2021)
4. **Department Library Incharge**, Jamal Mohamed College (Autonomous), Tiruchirappalli (2020 to 2022)
5. **Medicinal Garden Member Incharge** (Maintainance), Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2018 to till date)
6. **Moral Education Instructor**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2018 to till date)
7. **Micro Cell Member of Internal Quality Assurance Cell (IQAC)**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2020 to till date)

8. **ARIIA-Team Member**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2020 to till date)
9. **Botany Association Vice President**, Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2022-2023)
10. **UG Tutor In-Charge**, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu (2022 to till date)

### 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.

### Membership in Academic Bodies:

- ❖ **Life member** - The Indian Botanical Society, MJP Rohilkhand University, Barielly-243006.

### Paper Publication

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.

#### WORKSHOPS/ TRAINING PROGRAMS/ CONFERENCES

- 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 **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 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 **orientation Programmes on MOOCS and e-Learning** organized by Department of Library science in association with the Internal Quality Assurance Cell of Jamal Mohamed College (Autonomous) on 29.01.2020.
- **Served as a jury in the event science exhibition in the National science day** Organized by Jamal Mohamed College (Autonomous), Tiruchirappalli held on 28.02.2020.
- 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 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 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 **Faculty Enrichment Programme “Ownership culture”** organized by the Internal Quality Assurance Cell of Jamal Mohamed College from 14.06.2020.
- 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.
- 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.
- 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 **International Webinar Series on 'Recent Advances in Life Sciences'** Organized by the Department of Zoology, Sri Meenakshi Government Arts College for Women (Autonomous), Madurai, Tamilnadu, India-625002 on 08.07.2020 To 10.07.2020.
- 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 **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 **national Webinar on Role of Botanical survey of India in Plant Conservation.**
- 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 **Role of Entrepreneurs and Startups post COVID-19** organized by the School of Management, Gautam Buddha University, Greater Noida on 27.05.2020.
- 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 30.05.2021.
- Participated in the **Faculty Empowerment organized by the Internal Quality Assurance Cell** of Jamal Mohamed College from 21.06.2021 to 25.06.2021.
- 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 22/02020 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 **DST-SERB sponsored FDP Programme on “CO<sub>2</sub> Sequestration Research”** organized by the Department of Environmental Science and Management, Bharathidasan University, Tiruchirappalli held on 04-11-2022.

### **Paper Presentation**

- Presented a paper entitled *In vitro* 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.

## Webinar/Seminar/Conference 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 25<sup>th</sup> and 26<sup>th</sup> 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.

## 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 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, 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.**

#### **FDP/Orientation /Refresher Course / In-Service Programme**

- **Successfully Completed a 4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" Teaching learning center Ramanujam, College, NewDelhi 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 centre, Ramanujam College University of Delhi in Collaboration with academia International College, Nepal.**
- **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.**
- **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.**

#### **Swayam Course /Moocs/**

- **Successfully completed the Swayam Course on Microbial Physiology and Metabolism” during July, 2021 to September, 2021.**

#### **E-Content**

1. Introduction of Photosynthesis
2. Glycolysis – A Respiratory Phase.