

Dr. Johny Kumar Tagore, Ph.D.

Assistant Professor, Department of Botany, St. Joseph's College, Tiruchirappalli – 620002,
Affiliated to Bharathidasan University, Tamil Nadu, India.

Mobile: +91-97873-93528 | e-Mail: jktagore@gmail.com

Qualification

- **Ph.D.** (2018) in Botany, St. Joseph's College, Tiruchirappalli, TN, India.
- **TNSET** (2016) Qualified. Conducted by Mother Teresa Women's University, Kodaikanal, TN, India.
- **M.Phil.** (2008) in Botany, Periyar University, Salem, TN, India.
- **M.Sc.** (2005) in Botany, St. Joseph's College, Tiruchirappalli, TN, India.
- **B.Sc.** (2003) in Botany, St. Joseph's College, Tiruchirappalli, TN, India.

Research Experience

- **Senior and Junior Research Fellow** in one of the world's leading Botanical Institutes – the Botanical Survey of India. The project titled **Quantitative Assessment and Mapping of Plant Resources of Andaman and Nicobar Islands** involved extensive forest field surveys all through the Andaman Islands. Application of GPS and GIS profiling of forest landscape and studies majorly on Ecology, Taxonomy and Population Dynamics were conducted. The study also involved collection, preservation and mounting of herbarium of plant specimens from various parts of the Island. (April 2011 to December 2012; January 2014 to March 2015)
- **Project Assistant** at the Department of Botany, St. Joseph's College, Tiruchirappalli, India on the project titled **Geospatial Modelling of Ecological Niche and Distribution of Some Threatened Species in Eastern Ghats of Tamil Nadu** which involved extensive field surveys all through the forests of Eastern Ghats of Tamil Nadu studies focusing majorly on Ecology, Taxonomy, and GIS profiling of landscape (January 2013 to December 2013).

Teaching Experience

- **Assistant Professor** at PG and Research Department of Botany, St. Joseph's College (Autonomous), Tiruchirappalli, Tamil Nadu (Since June 2018)
- **Assistant Professor** at PG and Research Department of Botany, JJ College of Arts and Science (Autonomous), Pudukkottai, Tamil Nadu (July 2017 to May 2018)

Expert, Consultant, Coordinator and Popular Science Advocate

- **Syllabus Formulation** for various competitive exams for the direct recruitment conducted by **Tamil Nadu Public Service Commission (TNPSC)**. [**Assistant Conservator of Forests and Forest Apprentice**: 27.11.2024; **Assistant Warehouse Manager**: 14.02.2025; **Environmental Scientist**: 27.03.2025].

- **District Joint Secretary**, (2025-2026) Tamilnadu Science Forum (**TNSF**), Tiruchirappalli, a State-level science popularisation forum affiliated to All India Peoples Science Network (**AISPN**), India.
- **Coordinator for Tamil Nadu Government Sponsored 15-day Residential Young Student Scientist Programme (YSSP-2023)** for School Students of Tiruchirappalli and Pudukkottai. (from 26.12.2023 to 09.01.2024).
- **District Academic Coordinator, National Children's Science Congress (NCSC)**, A Programme of **NCSTC-DST**, Government of India to promote Scientific Temper among School Children. **Period: for 2 years (2022-2024)**.
- **Expert Committee Member** for the selection of Research Fellows [SRF in **DST-SERB-CRG** sponsored project titled 'Determining CO₂ Sequestration'. 20.03.2023; JRF in **ICFRE** sponsored project titled 'Strengthening Forestry Research'. 17.10.2022].

Programmes Organised

1. **Workshop for the Evaluators**, 31st National Children's Science Congress – 2023, A programme of **NCSTC-DST, Govt. of India**, St. Joseph's College, Tiruchirappalli. (2023-24)
2. **Workshop for Guide Teachers**, 31st National Children's Science Congress – 2023, A programme of **NCSTC-DST, Govt. of India**, in association with the Department of Botany, St. Joseph's College, Tiruchirappalli. (2023-24)
3. International Webinar on **A Gap in Our Knowledge to Overcome Food Security Under the Impact of Climate Change**. St. Joseph's College, Tiruchirappalli. (2022-23)
4. **Zonal Workshop for Guide Teachers**, 30th National Children's Science Congress - 2022 A programme of **NCSTC-DST, Govt. of India**, St. Joseph's College, Tiruchirappalli. (2022-23)
5. 4-Day International Webinar Lecture Series on **Medicinal Plants and Drug Research**, St. Joseph's College, Tiruchirappalli. (2020-21)
6. Webinar Lecture Series on **Current Issues Emerging over Environment and Education**, St. Joseph's College, Tiruchirappalli. (2020-21)
7. **DBT-STAR, Govt. of India** Sponsored One-day Workshop on **Bioinstrumentation**, St. Joseph's College, Tiruchirappalli. (2019-20)

Professional Enrichment

- **Faculty Induction Programme** organised by the **UGC-HRDC**, Pondicherry University, Pondicherry (for 30 days from 04.08.2021 to 02.09.2021).
- **Refresher Course in Botany** organised by **UGC-HRDC**, Madurai Kamaraj University, Tamil Nadu (for 14 days from 02.11.2022 to 16.11.2022).
- **Refresher Course in Biological Sciences** organised by **UGC-MMTTC**, Bharathidasan University, Tamil Nadu (for 14 days from 21.01.2025 to 03.02.2025).

As Resource Person

1. Acted as a resource person for the **Mass Tree Plantation Programme** on 10.01.2025, benefiting the villagers of Komangalam Hamlet, Tiruchirappalli.
2. Served as a resource person and jury member at the **Science Expo** on 14.11.2024, engaging with school students of Seventh Day Adventist Hr. Sec. School, Tiruchirappalli.

3. Delivered a session at the **District Level Workshop on Sustainable Management of Water and Sanitation** for CSC Guide Teachers at Department of Mathematics, Jamal Mohammed College, Tiruchirappalli on 06.11.2024.
4. Delivered a **Special Talk** and conducted a **Tree Plantation Drive** as part of the **Environmental Awareness Programme** for school students and villagers on 18.03.2023.
5. Acted as a jury member for the **National Science Day Celebration – Student Exhibition** on 28.02.2023 at Jamal Mohammed College, Tiruchirappalli.
6. Conducted a session at the **District Level Workshop for Guide Teachers (NCSC)** on Project Preparation and Presentation for school teachers on 13.09.2022.
8. Acted as a resource person for the **29th National Children’s Science Congress** on 16.12.2021, addressing students from various schools in Tiruchirappalli District on **Science for Sustainable Living**.
9. Delivered a session in an Orientation Program on **Science for Sustainable Living** for school teachers on 05.11.2020.
10. Delivered a session in a four-day webinar on **Principles and Practices of Phytochemical Research** for students, scholars and faculty of various colleges from 22.07.2020.
11. Contributed as an Evaluator at the **27th National Children’s Science Congress** on 03.11.2019, engaging with students from various schools of Tiruchirappalli District on **Science, Technology and Innovation for a Green, Clean and Healthy Nation**.
12. Delivered the **Dr. D.I. Arokiasamy Endowment Lecture** on **Biodiversity Conservation** for students of Tiruchirappalli Corporation Middle School on 28.02.2019.

Projects handled as Principal Investigator

1. Title: Invading Mars: In quest for foot soldiers

Funding Agency: St. Joseph's College of Tiruchirappalli

Status: Completed

Funds received: 25,000 INR

Period: 2019 – 2020

2. Title: Preliminary Experimenting of Plant Sustainability on Martian Regolith Stimulant

Funding Agency: St. Joseph's College of Tiruchirappalli

Status: In Progress

Funds received: 75,000 INR

Period: 2023 – 2025 (Ongoing)

Collaborations Established

1. **Dr. Dwijesh Ray**, Associate Professor, Physical Research Laboratory, Ahmedabad, ISRO, Department of Space, Government of India.
2. **Dr. R. Mohanraj**, Professor, Department of Environmental Science and Management, Bharathidasan University, Tiruchirappalli.
3. **Dr. Arthur James R**, Associate Professor, Department of Marine Science, Bharathidasan University, Tiruchirappalli.

Scholars Guiding (PhD)

1. Akil Prasath R.V. (BDU2310432780344: Co-guide)
2. Hariharan R.R. (BDU2310432780425)
3. Spurgeon E.K. (BDU2310432780590)
4. Jeyakumaran R. (BDU2310432780591: Co-guide)
5. Abraham Mathew A. (BDU2410432780716)
6. Arunmozhi P. (BDU2310432780853: Co-guide)
7. Gnanamanikandan D.S. (BDU2410432781077)

Fellowships, Honours and Achievements

- Recipient of **Junior Research Fellowship** from the **Department of Biotechnology**, Government of India, New Delhi, India. (April 2011 to December 2012; January 2014 to May 2014)
- Recipient of **Senior Research Fellowship** from the **Department of Biotechnology**, Government of India, New Delhi, India. (June 2014 to March 2015)
- A **photograph** of Andaman and Nicobar Landscape taken by me was selected and published in the **Tamil Nadu State Textbook**. (Page number 119: <http://www.textbooksonline.tn.nic.in/Books/Std10/Std10-SocSci-EM.pdf>)

Publications

1. Raja P, **Johny Kumar Tagore**, Thirumalai K, Jansirani P (2024) *Ceropegia rapinatiana* (Britto & Bruyns) Bruyns – an Endemic Species at the Verge of Extinction. *National Academy Science Letters*, 47(6): <https://doi.org/10.1007/s40009-024-01518-w>.
2. P. Raja, S. Soosairaj, John Peter Arulanandam and **Johny Kumar Tagore** (2024) Synoptic account on angiosperm flora of Pudukkottai district, Tamil Nadu, India. *Nelumbo*, 66(1): 06–36. DOI: 10.20324/nelumbo/v66/2024/173281
3. **Johny Kumar Tagore**, P. Raja, Jansirani Ponnaiah, Sebastian Soosairaj (2024) Stress of Habitat Fragmentation as a Cause for Multi-species Association: A Case from Little Andaman Island of India. *Indian Forester*, 150(5):458-461.
4. Akil Prasath RV, Mohanraj R, Balaramdas KR, **Johny Kumar Tagore**, Raja P, Rajasekaran A (2024) Characterization of carbon fluxes, stock and nutrients in the sacred forest groves and invasive vegetation stands within the human dominated landscapes of a tropical semi-arid region. *Scientific Reports*, 14: 4513.
5. P Raja, JPL Arulanandam, Sebastian Soosairaj, **Johny Kumar Tagore** (2023) *Dipcadi krishnadevarayae* B.R.P. Rao (Asparagaceae): A new distributional record of an endemic geophyte to Tamil Nadu, India. *Species*, 24: e66s1569.
6. **Johny Kumar Tagore**, P. Raja, Sebastian Soosairaj, Jansirani Ponnaiah, MV Ramana (2023) Status assessment of the two Acanthaceae species strictly endemic to Saddle Peak National Park of Andaman and Nicobar Islands, India. *Species*, 24: e68s1572.

7. P. Raja, **Johny Kumar Tagore**, S. Soosairaj and N. Dhatchanamoorthy (2022) *Jasminum greenii* sp. nov. (Oleaceae): A new species from Tamil Nadu, India. *Indian Forester*, 148(1): 107-108.
8. **Johny Kumar Tagore**, P Raja, P Jansirani, M Suresh and S Soosairaj (2022) Pteridophytes of Pachaimalai Hills from Eastern Ghats of Tamil Nadu, India. *International Journal of Botany Studies* 7(1):337-343.
9. Soosairaj S, Raja P, Balaguru B and **Johny Kumar Tagore** (2021) *Solanum pulneyensis* Soosairaj, sp. nov. (Solanaceae) from Palani Hills National Park of Tamil Nadu, India. *Adansonia*, sér. 3, 43 (21): 235-240. <https://doi.org/10.5252/adansonia2021v43a21>.
10. P Jansirani, P Raja and **Johny Kumar Tagore** (2021) Documentation of Vascular Plants of Mudumalai Tiger Reserve, Western Ghats, India. *Indian Forester* 147(6): 568-577.
11. P Raja, S Soosairaj, **Johny Kumar Tagore** and AA Kabeer (2021) Grass flora of Pudukkottai district, Tamil Nadu, India. *Indian Forester* 147(6): 547-550.
12. P Jansirani, **Johny Kumar Tagore**, P Raja, M Saradha (2020) Phytodiversity of Soolakarai Kaliyamman Sacred Grove in Sivagangai District, Tamil Nadu, India. *Journal of Economic and Taxonomic Botany* 44(1-4): 96-104.
13. **Johny Kumar Tagore**, P Jansirani and S Soosairaj (2019) A report on additions to the flora of Andaman & Nicobar Islands, India. *Journal of Threatened Taxa* 11(8): 14080-14082.
14. P Jansirani, S Karthikeyan and **Johny Kumar Tagore** (2018) Medicinal Plants Used for Fertility and Menstrual Disorders by the Women Belonging to the Nilgiris Tribe Community of Southern India. *International Journal of Scientific Research and Reviews* 7(4): 601-608.
15. Prakasam Raja, Sebastian Soosairaj, N.Dhatchanamoorthy and **Johny Kumar Tagore** (2017) *Derris gamblei* sp. nov. (Leguminosae) from Tamil Nadu, India. *Nordic Journal of Botany*, 35(4):423-425.
16. Prakasam Raja, Sebastran Soosairaj, N. Dhatchanamoorthy, **Johny Kumar Tagore** and A. Kala (2017) *Scleria tessellata* (Cyperaceae) New Record for Tamil Nadu, India. *Journal of Economic and Taxonomic Botany* 40(1-2):59-61.
17. **Johny Kumar Tagore**, P. Murugan, Sebastian Soosairaj (2017) *Heterotis rotundifolia* (Sm.) Jacq.-Fél. (Melastomataceae) A New Record for Andaman and Nicobar Islands, India. *The Indian Forester* 143(3):284-285.
18. **Johny Kumar Tagore**, Sebastian Soosairaj, M Venkat Ramana, M Sanjappa, K.N. Ganeshiah (2016) Status assessment of the Saddlepeak Dewflower (*Murdannia saddlepeakensis* Ramana & Nandikar: Commelinaceae): an endemic spiderwort plant of Andaman Islands, India. *Journal of Threatened Taxa* 8(14):9643–9647.

19. Rathinam Sathiyaseelan, **Johny Kumar Tagore**, Sebastian Soosairaj (2016) Composite aster *Inula* L. (Asteraceae): a new generic record for Nicobar Islands, India. *Journal of Threatened Taxa* 8(13):9584–9585.
20. S Soosairaj, P Raja, **Johny Kumar Tagore** and N Dhatchanamoorthy (2016) *Adiantum latifolium* (Pteridaceae): A New Record to Eastern Ghats from Tamil Nadu, India. *Journal of the Andaman Science Association*, 21(2): 199-201.
21. **Johny Kumar Tagore**, Sebastian Soosairaj, Rathinam Sathiyaseelan and Prakasam Raja (2015) Two Lamiaceae Members Additions to Flora of Andaman and Nicobar Islands. *Journal of Andaman Science Association* 20(2):145–147.
22. P. Murugan, **Johny Kumar Tagore** and Thomas K. Varghese (2015) Recollection of *Drimycarpus racemosus* (Anacardiaceae) from Andaman and Nicobar Islands, India. *Indian Journal of Forestry* 38(3): 285–286.
23. **Johny Kumar Tagore**, Sebastian Soosairaj, M. Venkat Ramana, R. Sathiyaseelan, M. Sanjappa and K. N. Ganeshaiyah (2015) Status assessment of *Centotheca ganeshaiyahiana* (Poaceae), an endemic of Saddle Peak National Park, Andaman and Nicobar Islands, India. *Asian Journal of Plant Science and Research* 5(11):16–20.
24. P. Murugan, **Johny Kumar Tagore**, S. Aron and S. Prabhu (2015) *Deeringia* R. BR. (Amaranthaceae) - A Generic Record for Andaman and Nicobar Islands, India. *Journal of Andaman Science Association* 20(1):59–62.
25. P. Raja, S. Soosairaj, N. Dhatchanamoorthy and **Johny Kumar Tagore** (2015) Floristic composition of aquatic angiosperms in different wetlands of Pudukkottai district of Tamil Nadu, India. *Asian Journal of Plant Science and Research* 5(12):6–12.
26. M. Venkat Ramana, J. Swamy and **Johny Kumar Tagore**. (2013) *Dendrolobium triangulare* (Retz.) Schindl., and *Vigna vexillata*(L.) A. Rich. (Leguminosae-Faboideae), New Distributional Records to the Flora of Andaman and Nicobar Islands. *Journal of Economic and Taxonomic Botany* 36(4):840–842.
27. Alok Choarge, J. Swamy, **Johny Kumar Tagore**, M. Venkat Ramana and P.V. Prasanna (2013) *Ichnanthus pallens* (Poaceae) – New Record for India from Andaman and Nicobar Islands. *Indian Journal of Forestry* 36(1):79–82.
28. M. Venkat Ramana, Mayur Nandikar, R.V. Gurav, **Johny Kumar Tagore**, and M. Sanjappa (2013) *Murdannia saddlepeakensis*(Commelinaceae) – a new species from Andaman and Nicobar Islands, India. *PhytoKeys*.20:9–15.
29. M. Venkat Ramana, **Johny Kumar Tagore** and Avishek Bhattacharjee (2012) Report of two medicinal and aromatic gingers from Andaman and Nicobar Islands, India. *Journal of Threatened Taxa* 4(5): 2582–2586.

Oral and Posters Presented in Conference

- **In Vitro Propagation of *Cucumis anguria* from Nodal Explant through Organogenesis**
Poster presented at the International Conference on 'Sustainability and AI in a VUCA World - An Interdisciplinary Approach Towards Viksit Bharat' held at St. Xavier's College, Jaipur, Rajasthan. 08–09 February 2025.
- **Invading Mars: Who Could Be Our Foot-soldiers**
Poster presented at the International Conference on 'Sustainable Utilization, Management and Conservation of Bioresources' held at St. Joseph's College, Tiruchirappalli, Tamil Nadu. 10–11 January 2013.
- **Zingiberaceae of Andaman and Nicobar Islands and its Ex-situ Conservation**
Oral presentation at the International Conference on 'Sustainable Utilization, Management and Conservation of Bioresources' held at St. Joseph's College, Tiruchirappalli, Tamil Nadu. 10–11 January 2013.
- **Rediscovery and New Distributional Records for Andaman and Nicobar Islands and India from North Andaman Islands**
Oral presentation at the 21st Annual Conference of 'Indian Association for Angiosperm Taxonomy' and National Seminar on 'Biodiversity Conservation and Climate Change' held at CSIR-IMMT, Bhubaneswar, Odisha. 2–4 December 2011.

Seminars / Workshops / Short Courses

1. **Antimicrobial Stewardship: A competency-based approach** conducted by World Health Organization, OpenWHO Course (2023-03-07).
2. **OER - Search, Identify, Repurpose and Create your OER** conducted by St. Joseph's College, Tiruchirappalli (2021-09-25).
3. **Genes and the Human Condition (From Behavior to Biotechnology)** conducted by University of Maryland, USA (2021-03-26).
4. **Climate Change: From Learning to Action** conducted by United Nations Institute for Training and Research (UNITAR) and UN CC: Learn. (2020-06-21)
5. **Children and Climate Change** conducted by UNICEF and UN CC: Learn. (2020-06-15)
6. **Research Capacity Building** under UGC STRIDE Scheme, organised by V.O.C. College, Thoothukudi. (2020-06-15)
7. **Introduction to Sustainable Development in Business** a 4-week MOOC course conducted by Open University of Mauritius and the Commonwealth of Learning, Mauritius. (2020-06-05)
8. **Perspectives on Recovery from COVID-19** conducted by Harvard Medical School, USA. (2020-06-13).
9. **COVID-19 Contact Tracing** conducted by Johns Hopkins University, USA. (2020-05-14).

10. Science Academies' Lecture Workshop on **Investing in Biodiversity Conservation** organized by PG and Research Department of Botany, J.J. College of Arts and Sciences (Autonomous), Pudukkottai, TN, India. 18–19 August, 2017.
11. UGC-NRCBS' **34th Winter School on Contemporary Ecological Issues** organized by the School of Biological Sciences, Madurai Kamaraj University, Madurai, TN, India. 15–28 February 2017.
12. DST-Sponsored National Workshop on **Data Science Research - Biological Data Management** organized by the Department of Botany, Jamal Mohamed College, Tiruchirappalli, TN, India. 23–25 January 2017.
13. Science Academies' Lecture Workshop on **Floristic Diversity and its Conservation** organized by PG and Research Department of Botany, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode, TN, India. 5–7 January 2017.
14. MHRD Sponsored National Training Programme on **Mangrove Biodiversity** organized CAS-Marine Biology, Annamalai University, TN, India. 3 March, 2016.
15. Was selected among 100 candidates to participate in Science Academies' Lecture Workshop on **Bioprospecting and Bioresources** organized by PG and Research Department of Botany, St. Joseph's College, Tiruchirappalli, TN, India. 10–12 February, 2016.
16. International Conference on '**Sustainable Utilization, Management and Conservation of Bioresources**' held at St. Joseph's College, Tiruchirappalli, Tamilnadu. 10-11 January, 2013.
17. International Conference on '**Recent Perspectives in Macromolecular Structures and Functions**' held at CARI, Port Blair, Andaman and Nicobar Islands. 27-28 January, 2012.
18. National Seminar on '**Biodiversity Conservation and Climate Change**' held at CSIR-IMMT, Bhubaneswar, Odisha. 2-4 December, 2011.

Academic Projects

- **Status Assessment of Plants Endemic to Saddle Peak National Park of Andaman Islands** (2018) done for my Ph D thesis where assessment of threat status of 25 plants endemic to the Saddle Peak National Park using the IUCN Categories and Criteria was performed.
- **Preliminary Survey on Phyllosphere Pathology in Pacchaimalai Hills, Eastern Ghats** (2008) was conducted for M Phil to study various infections on the canopy cover of the forest of Pacchaimalai Hills of the Eastern Ghats.
- **Micropropagation of *Premna integrifolia* (L.) through nodal explants** (2005) was carried-out in M Sc using the *in vitro* propagation of this rare medicinal plant through tissue culture techniques.

Specialisation and Selected Technical Skills

- **Mapping:** Mapping of species using GIS and GPS and geospatial modelling and ecological niche analysis.

- **Threat Analysis and Conservation Assessment:** Application of IUCN Categories and Criteria in assessing the threat category of a species using various analytical methods such as EOO, AOO, population size, etc.
- **Microbiology and Tissue Culture:** Preparation and standardisation of medium, inoculation, microbial culture. Callus culture, *in vitro* propagation of explants, hardening.

Others

- Production Associate at Cepha Imaging Private Limited, Bangalore. (Oct-2005 to Mar-2011)
- PG Diploma in Effective Communication from Joseph's Institute of Management, Tiruchirappalli. (2004–2005)

Personal Information

Date of Birth: 05-11-1978
 Father: Amalraj, P.
 Marital Status: Married
 Nationality: Indian
 Languages known: English, Tamil, Hindi* and Kannada*
 (*to Speak)

Reference

- **Dr. S. Soosairaj**, Assistant Professor of Botany, St. Joseph's College, Tiruchirappalli, 620002, TN, India. @: pspssoosai@yahoo.co.in, ☎: +91-97501-24125.
- **Dr. M. Sanjappa**, Director (Retired), Botanical Survey of India, Kolkata and INSA Scientist, Botanical Gardens, GKVK-UAS, Bangalore, Karnataka, India. @: sanjappam@ymail.com, ☎: +91-99720-35160.
- **Dr. M. Venkat Ramana**, Assistant Professor and Head in-Charge of Botany, Osmania University, Nizam College (Basheerbagh), Hyderabad, 500001, Telangana State, India, India. @: venkat.botany@gmail.com, ☎: +91-97048-46490.

Place:

Date :

J.K. Tagore