

CURRICULUM VITAE

Name : Dr. P. RAJA
Designation : Assistant Professor
Qualification : M.Sc., Ph.D., PGDBI
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Teaching Experience : 2 Years



S. No	Name of the Institution	Period of Service
1.	J.J. College of Arts and Science (Autonomous)	11.06.2018 to Till Date

Publications

Research papers : 29
Citations / h – index / i 10 - index : 43/ 04 / 00
Cumulative Impact Factor : 2.7
Book (s) Published : Nil
Book Chapter : 01

1. N. Dhatchanamoorthy, **P. Raja**, M. Anbarashan & K. Ravikumar (2019). A new record of *Crotalaria wightiana*: A Legume of Western Ghats from Karnataka, India. **Indian Forester** 145(7): 685–686.
2. S. Soosairaj, **P. Raja**, S. John Britto & B. Balaguru (2018). A new species of *Dalbergia* (Fabaceae: Dalbergieae) from Tamil Nadu, India. **Phytotaxa** 360(3): 282–286. <https://doi.org/10.11646/phytotaxa.360.3.8>
3. N. Dhatchanamoorthy, **P. Raja**, S. Soosairaj & M. Anbarashan (2018). *Crotalaria prostratavar. levis* Haines (Leguminosae): A poorly known species rediscovered, redescribed and endemic from the northern Western Ghats, India. **Current Botany** 9: 26–27. doi: 10.25081/cb.2018.v9.3586
4. **P. Raja**, S. Soosairaj, N. Dhatchanamoorthy & J.K. Tagore (2017). *Derris gamblei* sp. nov. (Leguminosae) from Tamil Nadu, India. **Nordic Journal of Botany** 35(4): 423–425. doi: 10.1111/njb.01393
5. **P. Raja**, S. Soosairaj, N. Dhatchanamoorthy, Johny Kumar Tagore & A. Kala (2016).

- Scleriatessellata* (Cyperaceae) A New Record for Tamil Nadu, India. *Journal of Economic and Taxonomic Botany* 40(1-2): 59–61.
6. S. Soosairaj, **P. Raja**, J.K. Tagore & N. Datchanamoorthy (2016). *Adiantumlatifolium* (Pteridaceae): A New Record to Eastern Ghats from Tamil Nadu, India. *Journal of the Andaman Science Association* 21(2): 199–201.
 7. S. Soosairaj, **P. Raja**, B. Balaguru & T. Dons (2016). Two additions to the flora of the Palni Hills, southern India. *Journal of Threatened Taxa* 8(9): 9216–9220.
 8. A. Kala, S. Soosairaj, S. Mathiyazhagan & **P. Raja** (2016). Green synthesis of Copper bionanoparticles to control the bacterial leaf blight disease of rice. *Current Science* 110(10): 2011–2014.
 9. J.K. Tagore, S. Soosairaj, R. Sathiyaseelan & **P. Raja** (2015). Two Lamiaceae members Additions to the flora of Andaman and Nicobar Islands. *Journal of the Andaman Science Association* 20(2): 145–147.
 10. **P. Raja**, S. Soosairaj, N. Dhatchanamoorthy & A. Kala (2015). Taxonomic status and Distribution of *Drimiawightii* Lakshmin. From Tamil Nadu, India. *Journal of Economic Taxonomic Botany* 39(2): 323–326.
 11. **P. Raja**, S. Soosairaj, N. Dhatchanamoorthy & 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.
 12. N. Dhatchanamoorthy, **P. Raja**, S. Soosairaj & N. Balachandran (2015). Notes on the distribution of *Crotalaria globosa* Wight & Arn. – a rare and endemic legume in Tamil Nadu. *Phytotaxonomy* 15: 104–106.
 13. N. Dhatchanamoorthy, K. Sambandan, **P. Raja** & S. Soosairaj (2015). *Drymariavillosa* Chamisso & Schlechtendal (Caryophyllaceae) – A New Report to the Eastern Ghats of Tamil Nadu, India. *International Journal of Current Research in Biosciences and Plant Biology* 2(9): 74–76.
 14. A. Kala, S. Soosairaj, S. Mathiyazhagan & **P. Raja** (2015). Isolation and Identification of *Xanthomonas oryzae* pv. *oryzae* the causal agent of rice bacterial leaf blight and its activities against six medicinal plants. *Asian Journal of Plant Science and Research* 5(6): 80–83.
 15. N. Dhatchanamoorthy, **P. Raja**, S. Soosairaj & A. Kala (2015). *Sidaravii* Sivad. & Anil Kumar (Malvaceae) A new record from Tamilnadu, India. *Journal of Threatened Taxa* 7(10): 7716–7719.
 16. **P. Raja**, S. Soosairaj, N. Dhatchanamoorthy & A. Kala (2015). A new distribution record for the Critically Endangered Madura Swamp weed *Hygrophilamadurensis* (N.P. Balakr. & Subr.) Karthik. & Moorthy (Acanthaceae). *Journal of Threatened Taxa* 7(9): 7581–7583.
 17. N. Dhatchanamoorthy, T. Arumugam & **P. Raja** (2015). First report of *Pseuderanthemum malabaricum* (Acanthaceae) – Rare species of central and southern Eastern Ghats of Tamil Nadu, India. *Elixir Applied Botany* 84: 33639–33640.
 18. A. Kala, **P. Raja**, S. Soosairaj & B. Balaguru (2014). Reproductive Biology and Seed Germination of Tropical Evergreen tree *Canarium strictum* Roxb. *Journal of Biodiversity and Environmental Sciences* 5(6): 24–32.
 19. S. Soosairaj, A. Kala, **P. Raja** & B. Balaguru (2014). Reproductive Biology of the Vulnerable Shrub *Capparis shevaroyensis* Sund.-Ragh. (Capparaceae). *Life Sciences Leaflets* 52: 71–78.
 20. A. Kala, S. Soosairaj, S. Mathiyazhagan & **P. Raja** (2014). Synthesis and characterization of plant mediated silver nanoparticles from *Canarium strictum* Roxb. Mesocarp extract. *Life Sciences Leaflets* 53: 104–109.

21. A. Kala, S. Sathya, S. Soosairaj & **P. Raja** (2014). Biosynthesis of silver nanoparticles from *Morindacoreia* Buch.-Ham. and its antibacterial activity. *International Journal of Pharmaceutical Sciences and Research* 5(12): 5321–5327.
22. S. Soosairaj, A. Kala, R. Sevuga Priya, & **P. Raja** (2014). Purity of Honey – an attempt to validate. *ReTell* 14(1): 80–85.
23. N. Dhatchanamoorthy, **P. Raja**, A. Kala & S. Soosairaj (2013) Angiospermic Hydrophytes in Different Wetlands of Villupuram District, Tamil Nadu, India. *Journal of Economic Taxonomic Botany* 37(2): 239–248.
24. A. Kala, S. Soosairaj, **P. Raja** & N. Dhatchanamoorthy (2013). Micromorphological Assessment and Stem Anatomy of *Spermacoce* Species of Tamil Nadu, India. *Life Sciences Leaflets* 8: 19–28.
25. **P. Raja**, N. Dhatchanamoorthy, A. Kala & S. Soosairaj (2013). Extended Distribution of *Capparis shevaroyensis* Sund.-Ragh. (Capparaceae) An Endemic and Vulnerable Shrub in Peninsular India to Southern Eastern Ghats of Tamil Nadu. *Indian Journal of Fundamental and Applied Life Sciences* 3(1): 137–140.
26. **P. Raja**, N. Dhatchanamoorthy, A. Kala & S. Soosairaj, (2013) *Spilanthes radicans* Jacq. (Asteraceae) A New Record to Tamil Nadu, India. *International Journal of Integrative sciences, Innovation and Technology* 2(6): 34–35.
27. S. Soosairaj, A. Kala, **P. Raja** & K. Vijaya (2013). Phytochemical screening and GC-MS analysis on *Spermacoce articularis* L.f. (Rubiaceae). *International Journal of ChemTech Research* 5(6): 3070–3074.
28. S. Soosairaj, A. Kala, **P. Raja** & A. Mercy Angelin (2013). Standardization of Seed Dormancy Breaking Protocol for *Aristolochia tagala* – a Rare Vulnerable Twiner. *International Journal of Reproductive Biology* 5(1): 85–88.
29. S. Soosairaj, **P. Raja**, A. Kala & P. Kalainger Raj (2012). Survey of Macroscopic Fungi from a few districts of Tamil Nadu. *The Bioscan* 7(4): 669–671.

Book Chapter

1. **Raja Prakasam**, Balaguru Balakrishnan & Soosairaj Sebastian (2019). Diversity and Distribution of Tropical Dry Forests: A Case Study from Pudukkottai District of Tamil Nadu, India – Sacred Groves. In: Rahul Bhadouria, Sachchidanand Tripathi, Pratap Srivastava, Pardeep Singh (Eds) *Handbook of Research on The Conservation and Restoration of Tropical Dry Forests*. IGI Global Information Science, Hershey, USA. pp 115–124. ISBN13: 9781799800149, ISBN10: 1799800148, EISBN13: 9781799800163. DOI: 10.4018/978-1-7998-0014-9

Paper Presentation or Participation in Conference/Seminar/Workshop

S.No.	Presented/Participated	Date and Place	Topic
1.	Presented	15.02.2017, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Rare, Endangered and Endemic Plants of Pudukkottai district, Tamil Nadu, India. National Symposium on Recent Advances in Medicinal and Aromatic Plants
2.	Presented	05.02.2015, Dept. of Botany, St. Joseph's	Dry grass land species composition of upper Palni hills of Western

		College (Autonomous), Tiruchirappalli	Ghats, South India.
3.	Presented	05.02.2015, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Angiosperms of Urumar Sacred grove, Pudukkottai district of Tamil Nadu, South India.
4.	Presented	05.02.2014, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Checklist of flora of Sittanavasal, Pudukkottai district, Tamil Nadu, India.
5.	Presented	07.01.2016 & 08.01.2016, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Potential wild ornamental plants of Pudukkottai district, Tamil Nadu, India.
6.	Presented	10.01.2013 & 11.01.2013, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Causes of deforestation in the Eastern Ghats of Tamil Nadu.
7.	Participated	29.02.2020, Dept. of Physics, Arignar Anna Government Arts College, Musiri, Tiruchirappalli	Computational Studies and Molecular Docking
8.	Participated	21.08.2019 & 22.08.2019, Departments of Botany & Chemistry, J.J. College of Arts and Science (Autonomous), Pudukkottai	Recent Innovations in Phytochemistry
9.	Participated	20.10.2018, Dept. of Biotechnology, J.J. College of Arts and Science (Autonomous), Pudukkottai	Innovations and Challenges in Bio Sciences, Department of Biotechnology
10.	Participated	23, 24 & 25.01.2017, Dept. of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli	Data Science Research-Biological Data Management
11.	Participated	05, 06 & 07.01.2017, Department of Botany, Vivekananda College of Arts and Science for	Floristic Diversity and its Conservation

		Women, Tiruchengode.	
12.	Participated	25.09.2016, Dept. of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli	Documentation of Traditional Knowledge and Grassroots Innovations in remote villages of Perambalur and Pudukkottai districts of Tamil Nadu
13.	Participated	03.03.2016, Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai	National Training Programme on Mangrove Biodiversity
14.	Participated	10.02.2016 & 11.02.2016, 12.02.2016, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Bioprospecting and Bioresources
15.	Participated	30.01.2015 & 31.01.2015, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Science Academies Lecture workshop on Vistas in Biosciences
16.	Participated	22.12.2014, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Workshop on Plant Tissue Culture Techniques
17.	Participated	19.12.2014 & 20.12.2014, Dept. of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli	Hands on Training in Mapping Bioresources with FOSS GIS Software
18.	Participated	12.12.2014, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Regional level workshop on Vermiculture Techniques
19.	Participated	31.10.2014, 01.11.2014 & 02.11.2014, Dept. of Plant Science, Bharathidasan University, Tiruchirappalli	24 th Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) & International Conference on Trends in Plant Systematics (ICTIPS)
20.	Participated	26.02.2014, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Workshop on Plant Taxonomy

21.	Participated	12.02.2014, 13.02.2014 & 14.02.2014, Department of Biology, The Gandhigram Rural Institute–Deemed University, Dindigul	National Workshop cum training program on Conventional and Modern aspects of Plant Taxonomy
22.	Participated	10.01.2014, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Workshop on Landscape Designing
23.	Participated	06.01.2014 & 07.01.2014 Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	National Conference on Advances in Biology
24.	Participated	09.03.2013, Dept. of Botany, Bharathiar University, Coimbatore	Plant Identification Techniques
25.	Participated	04.03.2013, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Pharmacognostical Screening of Medicinal Plants
26.	Participated	02.02.2013, Dept. of Biotechnology, Cauvery College for Women, Tiruchirappalli	Thirst Areas in Life Science
27.	Participated	06.08.2012 & 07.08.2012, Dept. of Botany, St. Joseph's College (Autonomous), Tiruchirappalli	Introduction to ArcGis for Desktop Basic
28.	Participated	15.07.2011, 16.07.2011 & 17.07.2011, Dept. of Botany, Karpagam University, Coimbatore	Plant Taxonomy
29.	Participated	25.02.2011 & 26.02.2011, Dept. of Botany, Holy Cross College (Autonomous), Tiruchirappalli	Advances in Biological Sciences
30.	Participated	09.03.2010 & 10.03.2010, SEPHRED Extension Department, St. Joseph's College	Preparation of Herbal Medicine

		(Autonomous), Tiruchirappalli	
31.	Participated	05.03.2008, Dept. of Mushroom Centre, Tamil Nadu Agriculture University (TNAU), Coimbatore	Mushroom Cultivation Techniques

Research Guidance

1 M.Sc. Completed : 01

Awards and Achievements

1. **Best cadet medal** received from **NCC** senior division at under graduate course, 2005-2006.
2. **NCC‘B’** and **‘C’** certificates, under authority of **Ministry of Defense**, Government of India during 2005-2008.