

**Name :Dr. Kiruthika Kanakaraju**

**Designation : Assistant Professor**

**Department :Botany**

**Qualification :M.Sc., Ph.D.,**

**Experience :Teaching -4 Years**

**Research:7 Years**



**Area of Specialization(s) :Plant Taxonomy, Biodiversity Conservation & GIS Mapping**

**Email(OfficialID) :[kkiruthika@psgrkcw.ac.in](mailto:kkiruthika@psgrkcw.ac.in)**

#### **AcademicQualifications**

<b>Degree</b>	<b>Branch</b>	<b>Institution/UniversityName</b>	<b>YearofGraduation</b>
Ph.D.	Botany	Karpagam Academy of Higher Education, Coimbatore	2018
M. Sc.	Botany	Bharathiar University, Coimbatore	2014
B.Sc.	Botany	PSGR Krishnammal College for Women, Coimbatore	2012

#### **AdditionalQualifications**

<b>Diploma/ Vocational/ Certification</b>	<b>Area of Specialization</b>	<b>Institution/University/AgencyName</b>	<b>Year</b>
<b>Advanced Certificate Course</b>	Geoinformatics	Centre for Environment and Development, Thiruvananthapuram, Kerala	2017
<b>Remote PilotCertificate</b>	Rotorcraft Remote Pilot	Aerdroids Technology Private Limited, Coimbatore	2025

#### **ResearchGuidance**

<b>Programme</b>	<b>No.ofScholars</b>	
	<b>Completed</b>	<b>Pursuing</b>
M.Phil.	-	-
Ph.D.	-	-

#### **Research Publications (Indexed)**

1. **Kiruthika, K.,** Sulaiman, M., & Krishnaveni, C. (2024). Strobilanthes: A GIS

Approach on Iconic Flowering of the Nilgiris, Western Ghats, India. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 94(5), 1093-1104. <https://doi.org/10.1007/s40011-024-01591-7>

2. **Kiruthika, K.**, Sulaiman, M., & Murugan, C. (2024). Taxonomic notes on two endemic species of *Oberonia* Lindl. from Western Ghats, India. *Plant Science Today*, 10(sp2). <https://doi.org/10.14719/pst.2433>
3. Sulaiman, M., & **Kiruthika, K.** (2022). Type designation of five Lindley's names in the Genus *Habenaria* (Orchidaceae). *Plant Science Today*, 9(sp1), 46–49. <https://doi.org/10.14719/pst.1706>
4. Sulaiman, M., **Kiruthika, K.**, & Harathi, P. B. (2022). Range extension of lesser-known orchids to the Nilgiris of Tamil Nadu, India. *Journal of Threatened Taxa*, 14(8), 21727-21732. <https://doi.org/10.11609/jott.7517.14.8.21727-21732>
5. Harathi, P.B., **Kiruthika, K.** & M. Sulaiman (2018). Eco-Distribution Mapping of Medicinal Plants using GIS. 19th ESRI India User Conference 2018.
6. **Kiruthika, K.**, M. Sulaiman, P.B. Harathi & R. Gopalan. (2018). Revelatory Note on *Bulbophyllum fimbriatum* – An Endemic Orchid of Western Ghats, India. *Journal of Economic and Taxonomic Botany*, 42 (1-4): 65-69.
7. **Kiruthika, K.**, M. Sulaiman & R. Gopalan. (2017). *Glochidion hohenackeri* var. *johnstonei* (Euphorbiaceae) - A New Record to Tamil Nadu, India. *Indian Forester*, 143 (11): 1211-1212.
8. **Kiruthika, K.**, M. Sulaiman & R. Gopalan, 2017. Additions to the flora of Coimbatore hills, Tamil Nadu, India. *Journal of Threatened Taxa*, 9(2): 9881–9884.

#### Book Chapter Published

Sulaiman, M., **Kiruthika K.**, and Harathi, P.B. 2023. The Nilgiris: A Biogeographic Hotspot for The Orchid Diversity In Silvy M., Jisha K and Sheeja T.T. Biodiversity of Western Ghats. Vimala Publication. Pp 32 -64.

#### Acted as a Resource Person

Served as resource person for lecture and workshops for the students and forest frontline staff conducted by Botanical Survey of India, Southern Regional Circle, Coimbatore, Forest College & Research Institute, Mettupalayam, Coimbatore and Forest Genetics Division, Tamil Nadu Forest Department, Coimbatore.

#### Reviewer in journal

Plant Science Today  
Trends in Current Biology

#### Paper Presentations in Conference

**Kiruthika, K.**, S. Anagha, S. Akhil, C. Dhanya, G. Thulasidas & M. Rajendraprasad, 2019. Effect of Flood on Vegetation Dynamism of Manimala River – Kerala. International Conference on 6th India Biodiversity Meet, Indian Statistical Institute, Kolkata, West Bengal.

Harathi, P.B., **K. Kiruthika** & M. Sulaiman, 2018. Eco Distribution Mapping of Medicinal Plants through GIS. 19th Esri India User Conference 2018, Hyderabad.

**Kiruthika, K.**, M. Sulaiman & P.B. Harathi, 2017. GIS Mapping of Medicinal Plants among Kattunaicker Tribals in The Nilgiris, Western Ghats, Tamil Nadu, India. National Conference

on Medicinal Plant Research and Translational Trends, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu.

**Kiruthika, K., & R. Gopalan, 2017.** GIS Mapping of Selected Endangered and Endemic Taxa of Kunjapanai R.F., Nilgiri Eastern Slope, WG, India. 9th Annual Research Congress KAHEARC-2017, Karpagam Academy of Higher Education, Coimbatore, Tamil Nadu.

**Kiruthika, K., & R. Gopalan, 2015.** Ecological Imbalance of MedurPethikuttai R.F. Western Ghats, India. National Conference on Biodiversity Conservation, Sree Narayana Guru College, Coimbatore, Tamil Nadu.

#### **Presentations in Seminar**

**Kiruthika, K., 2025.** A Geospatial Approach to Endemic Plant Conservation in the Sirumugai Forests of The Nilgiris, Western Ghats. National Seminar on Traditional Knowledge Systems and Biodiversity. Vimala College (Autonomous), Thrissur, Kerala.

**Kiruthika, K., & R. Gopalan, 2015.** Aborigines of Anaikatti Hills, Western Ghats, Coimbatore. National Seminar on Recent Advances and Challenges in Plant Sciences, ArulmiguPalaniandavar Arts College for Women, Palani, Tamil Nadu.

#### **Participation in Faculty Development Programme**

1. Faculty Induction Programme, Bharathiar University, Coimbatore from 05/09/2023 to 03/08/2023.
2. NEP 2020 Orientation & Sensitization Programme, Malviya Mission Teacher Training Programme, Coimbatore Institute of Technology from 12/02/2024 to 21/02/2024.
3. Refresher Course in Botany. Kumaun University, Nainital from 12/06/2025 to 25/06/2025.

#### **Conference/Seminar/Workshop Organized**

Organized the guest lecture, workshop, webinars, conclave and video conferencing from 2023-24 on recent emerging topics on Biological Sciences. It fosters the young minds of Botanists to emerge them with skills and broadcast into developing field of Sciences.

#### **Grants**

<b>Project Title</b>	<b>Funding Agency</b>	<b>Duration</b>	<b>Sanction Cost</b>	<b>Role</b>	<b>Status</b>
Molecular Characterization of Grass Species in Nilgiri Tahr Grazing Habitats	Project Nilgiri Tahr	12 months	231000	Co-PI	Ongoing
A Study on the Sacred Groves: Conservation Practices adhered among the Tribal Communities in Bolampatty Forest Range, Coimbatore	GRG Trust	24 months	50000	Co-PI	Ongoing
In-situ Conservation Activities in Medicinal Plants Conservation Areas: Inventory of Medicinal Plants in Tiruppur and Namakkal Districts	National Medicinal Plant Board in collaboration with Tamil Nadu Forest Department	12 months	200000	PI	Completed

#### **Awards/Honors**

<b>Awards/Honors</b>	<b>Agency/Institute</b>	<b>Year of Award</b>
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Best Faculty Award	PSGR Krishnammal College for Women	2024
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### **Indexing and Citations**

High quality research findings are published in the indexed journals of Springer, Scopus and Web of Science.

### **Contribution**

- Department Association In-charge (2023-24)
- Acting as Department Coordinator for DST-FIST (PG Colleges) Level A since 2023 onwards
- Acting as Department PlacementCoordinator since 2023 onwards
- Acting as a Member for Criteria V& VII since 2022 onwards