



**Dr. C. Rajasekar**

**Adjunct Faculty**

### Contact

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### Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D.	Bharathidasan University	2009-2015	Plant Science	Awarded
M.Phil.	Bharathidasan University	2007-2008	Botany	First Class with Distinction
M.Sc.	Bharathidasan University	2004-2006	Botany	First Class with Distinction
B.Sc.	Bharathidasan University	1999-2002	Botany	First Class with Distinction

### Teaching Experience

Total Teaching Experience : 5.5 Years

Position	Institution	Duration
Adjunct Faculty	Alagappa University	2018-till now

## Research Experience

Total Research Experience : 7 Years

Position	Institution / University	Duration
N-PDF	Bharathiar University (2 Years)	2016-2018
SRF	Bharathidasan University (3 Years)	2011-2014
JRF	Bharathidasan University (2 Years)	2009-2011

## Academic and Additional Responsibilities

S. No.	Position	University Bodies	Period	
			From	To
<b>Department Level (Department of Botany, Alagappa University, Karaikudi)</b>				
1.	Coordinator	Placement Cell	2022	Continue
2.	Coordinator	Village Placement Program	2022	Continue
3.	Coordinator	Alumni and Parent Teacher Association (PTA)	2021	Continue
4.	Coordinator	Field Visits	2021	Continue
5.	Coordinator	Non – Major Elective (NME)	2019	2021
6.	Coordinator	Cultural Club	2019	Continue
7.	Coordinator	MOOC Course (SWAYAM)	2019	Continue

## Areas of Research

- Conservation Biology
- Molecular Plant Taxonomy
- Phytochemistry
- Tissue Culture
- Plant Reproductive Biology
- Palynology

## Research Supervision / Guidance

Program of Study		Completed	Ongoing
Project	PG	15	7

### Completed and Ongoing PG Projects

Sl. No.	Name of the Student/ Registration number	Title of the Project	Academic Year
1	Gayathri, N. (2022525006)	Herbal soap formation by using essential oil for native medicinal plants in Tamil Nadu.	2023-2024
2	Gokila, P. (2022525007)	Evaluate the bioactive compounds and antimicrobial potential of <i>Cyanotis tuberosa</i> (Roxb.) Schult. & Schult.f. in Tamil Nadu.	2023-2024
3	Monika, K. (2022525015)	Taxonomical Studies on the Family Euphorbiaceae in Pudukkottai District, Tamil Nadu, India.	2023-2024
4	Rajeswari, P.L. (2022525021)	Spatial Distribution Modelling of the <i>Albizia lathamii</i> Hole (Fabaceae), less known endemic species in Tamil Nadu, India.	2023-2024
5	Ramya, R. (2022525022)	Pollination biology of <i>Murdannia striatipetala</i> Faden (Commelinaceae), in Tamil Nadu, India.	2023-2024
6	Sivaneshwari, M. (2022525024)	Palynological studies on <i>Hygrophila difformis</i> (L.f.) Blume (Acanthaceae) in Tamil Nadu, India.	2023-2024
7	Anurag, P.S. (2021525001)	Palynological Studies on Genus <i>Iphigenia</i> Kunth in Tamil Nadu, India.	2022-2023
8	Jayaganesh, M. (2021525004)	A Systematic Revision on the Genus <i>Caralluma</i> R.BR. (Apocynaceae) in Tamil Nadu, India.	2022-2023
9	Jayasree, V.R. (2021525005)	Preparation of Green Touch Handmade Soap by using Native Medicinal Plants in Tamil Nadu.	2022-2023
10	Kavitha, J. (2021525006)	Taxonomical Studies on the Family Acanthaceae in Sivagangai District, Tamil Nadu, India.	2022-2023
11	Keerthika, M. (2021525007)	Studies on Endemic Flowering Plants of Pudukkottai District, Tamil Nadu, India.	2022-2023
12	Shakthi Sri, V. (2021525009)	Carnivorous Flora of Narathamalai RF in Pudukkottai District, Tamil Nadu -- Conservational Approach.	2022-2023
13	Kanimozhi, K. (2020525004)	Pollination Frequency of <i>Theriophonum sivagananum</i> (Ramam. & Sebastine) Bogner, Endemic Species in Tamil Nadu, India.	2021-2022
14	Narmadhai Naachiyaar, A. (2020525006)	Species Distribution Modelling of the Genus <i>Iphigenia</i> Kunth, in Tamil Nadu, India.	2021-2022
15	Thavamani, K. (2020525016)	Reproductive Biology of <i>Drosera burmannii</i> L.	2021-2022

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
8	-	24	5	Book – 1 Chapters – 2

**Cumulative Impact Factor (as per JCR) :** 14.604

**h-index :** 3

**i10 index :** -

**Total Citations :** 29

## Distinctive Achievements / Awards

- Best Scientist Award - 2023 (State Government - TNAU/International Conference on Agri-Tourism -ICAT) Certificate No: ICAT2023\_A\_

## Events Participated

Number of Conferences / Seminars / Workshops: 29

## Membership

### Professional Bodies

1. Indian Botanical Society (IBS) - Lifetime Member

## List of Research Articles / Recent Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
1	Shivakrishnan Kaladharan., Anbazhakan Rengasamy., <b>Rajasekar Chinnaiyan.</b> , Muthukumar Mariappan., and Thiruppathi Senthil Kumar (2023). <i>In vitro</i> asymbiotic seed germination and micropropagation of <i>Dendrobium heyneanum</i> Lindl. – an endemic orchid of Western Ghats, India. PCTOC, Springer Vol.157:31 <a href="https://doi.org/10.1007/s11240-024-02758-w">https://doi.org/10.1007/s11240-024-02758-w</a>	3
2	<b>Chinnaiyan, Rajasekar</b> , Palliyalil Sivasankaran, Anurag and Ramalingam, Kottaimuthu. (2023). Distributional note on Magnificent Grass Lily, <i>Iphigenia magnifica</i> (Colchicaceae) in Tamil Nadu, Flora and Fauna 29(2):276-278.	0.083
3	<b>Rajasekar C</b> , Jayaganesh M, Kavitha J, Rajendran R, Kottaimuthu R. New record of <i>Brachystelma rapinatianum</i> Britto & Bruyns (Apocynaceae: Ceropegieae) from Eastern Ghats, India. Species 2023; 24: e38s1530.	-
4	Ravi Kiran A, Rajeev Kumar S, and <b>Rajasekar C.</b> (2023). Taxonomy and typification of Indian endemic <i>Impatiens goughii</i> (Balsaminaceae), <i>Ann. Bot. Fennici</i> , 60: 43-59.	-
5	<b>Rajasekar C</b> , Aazhivaendhan G, Rajendran R, Senthil Kumar T, Kottaimuthu R. (2022). <i>Schoenorchis manilaliana</i> M. Kumar & Sequiera (Orchidaceae): A new record for Orchidaceae of Tamil Nadu, India, Plant Science Today, 9: 19-20.	-
6	Kottaimuthu R, <b>Rajasekar C</b> , Narmadhai Naachiyar A, Rajendran R. (2022). Mysore Grass Lily <i>Iphigenia mysorensis</i> (Colchicaceae), a new record for the Flora of Tamil Nadu, India, Indian Journal of Forestry, 44: 122-124.	-
7	Aazhivaendhan, G., <b>Rajasekar, C.</b> , Rajesh, R., Kottaimuthu, R. (2022). <i>Dipcadi krishnadevarayae</i> B.R.P. Rao (Aspragaceae), a new record for Tamil Nadu, India. 11. 300-301. 10.53562/ajcb.72683.	0.185
8	MB Viswanathan, <b>C Rajasekar</b> , P Sakthidhasan, R Rajesh (2022). <i>Hiptage nayarii</i> RC Srivast. (Family Malpighiaceae)–Rediscovery and Emended Description of an Endemic and Endangered Species from Kalakad Mundanthurai Tiger Reserve in India, Journal of the Bombay Natural History Society (JBNHS), 119. (UGC) 0.173	0.173
9	Anbazhakan R, <b>Rajasekar C</b> , Muthukumar M, Parthibhan S, Senthil Kumar T. (2022). <i>In vitro</i> micropropagation, flowering, and tuberization of <i>Ceropegia maculata</i> Bedd.- an endemic plant of Southern Western Ghats. <i>In Vitro Cellular &amp; Developmental Biology - Plant</i> . 58. 10.1007/s11627-022-10253-0. (Springer) 2.347	2.347
10	Jeevith S, Ravi Kiran A, Rajeev Kumar S, KAA Kabeer, <b>Rajasekar C</b> , Kunhikannan C. (2022). The checklist of <i>Impatiens</i> Riv. ex L. (Balsaminaceae) in Nilgiri and Palani Hills of southern Western Ghats (India), <i>Annales Universitatis Paedagogicae Cracoviensis Studia Naturae</i> , 7: 1-16.	-
11	<b>Rajasekar C</b> , Dhaarani V, Kottaimuthu R. (2021) <i>Datura discolor</i> Bernh. (Solanaceae), a new record for Tamil Nadu, India, <i>Nelumbo</i> , 63: 80-82.	-
12	Kottaimuthu R, Krishnaraj MVN, <b>Rajasekar C</b> , Silambarasan R. (2021) Notes on Distribution of <i>Tephrosia noctiflora</i> (Leguminosae: Papilionoideae) in India, <i>The Journal of Japanese Botany</i> , 96: 341-345.	-

13	Vinita MN, Selvambigai M, <b>Rajasekar C</b> , Govarthanan M, Kumar P (2021) Review on marine sponge alkaloid, aaptamine: A potential antibacterial and anticancer drug. Chemical Biology & Drug Design, Jul 31. doi: 10.1111/cbdd.13932. Epub ahead of print. PMID: 34331335. (Wiley) 2.817	2.817
14	Rajesh R., Sakthidhasan P., and <b>Rajasekar C.</b> (2021) <i>Memecylon viswanathanii</i> , a new species of Melastomataceae from Kalakkad-Mundanthurai Tiger Reserve (KMTR), India. Webbia. Journal of Plant Taxonomy and Geography 76(1): 71-76. (Taylor and Francis) 1	1
15	Rajendran R, Rajesh R, <b>Rajasekar C</b> , Kottaimuthu R. (2021) <i>Drimia raogibikei</i> (Hemadri) Hemadri (Asparagaceae: Scilloideae): Addition to the monocots of Tamil Nadu, India, Asian Journal of Conservation Biology, 10: 334-336.	-
16	Viswanathan MB., <b>Rajasekar C.</b> , Sathish Kumar P. (2019) Reproductive biology and pollinators of a steno-endemic and critically endangered tree, <i>Monoon tirunelveliense</i> (Annonaceae), from Kalakkad-Mundanthurai Tiger Reserve (KMTR), India, Indian Journal of Experimental Biology, 57: 516-525. (NISCAIR-CSIR, India), 0.818	0.818
17	Jeevith S., <b>Rajasekar C.</b> , Samyururai P., Kunhikannan C. (2019) A Note of the Collection of <i>Ceropegia ensifolia</i> Bedd. (Apocynaceae: Ceropegieae) from Nilgiris, Southern Western Ghats, India. Indian Forester, 145 (5): 494-495.	0.11
18	Jeevith S., Kunhikannan C., <b>Rajasekar C.</b> , Samyururai P., (2019). A Checklist of Orchids of Shola and Grasslands of Nilgiris, Western Ghats, India. Biological Forum – An International Journal, 11: 41-46.	-
19	Rajendran K., Kottaimuthu R., <b>Rajasekar C.</b> , Muthupandi CP., (2019). <i>Physalis grisea</i> (Waterf.) M.Martínez (Solanaceae): A new distributional record for India. I3 Biodiversity, 3: 302-306.	-
20	<b>Rajasekar C.</b> , Silambarasan R., Sakthidhasan P., Kottaimuthu R., (2018). Occurrence of <i>Balanophora abbreviata</i> Blume (Balanophoraceae) in Tamil Nadu, India, NeBIO-An international journal of environment and biodiversity, 9 (4): 299-301.	-
21	<b>Rajasekar C.</b> , Jeevith S., Kottaimuthu R. (2018). Rediscovery of <i>Ceropegia maculata</i> Bedd. (Apocynaceae: Ceropegieae) after 154 years from Tamil Nadu, India, I3 Biodiversity, 2: 202.	-
22	Kottaimuthu R., <b>Rajasekar C.</b> , Muthupandi P., Rajendran, K. <i>Eleutheranthera</i> Poit. ex Bosc. (Asteraceae): A New Genus Record for Tamil Nadu, India, International Journal of Current Research in Biosciences and Plant Biology, 5 (12): 62-66.	-
23	<b>Rajasekar C.</b> , Samyururai P., Kanivalan I., Rajendran A. (2018) Association of Phytoplanktons in bladderwort <i>Utricularia</i> L., Seaweed Research and Utilisation, 40(2): 21-29.	-
24	<b>Rajasekar C.</b> , Rajendran A (2018) Prey composition of <i>Utricularia striatula</i> Sm. (Lentibulariaceae): Lithophytic carnivore Southern Western Ghats, India. International Journal of Fisheries and Aquatic Studies, 6 (3): 382-388.	-
25	<b>Rajasekar C.</b> , Jeevith S, Kottaimuthu R (2018). <i>Impatiens pendula</i> B. Heyne ex Wight & Arn. (Balsaminaceae): A Jewel Weed New to Tamil Nadu, Western Ghats. International Journal of Current Research in Biosciences and Plant Biology, 5 (11): 44-49.	-
26	<b>Rajasekar C.</b> , Silambarasan R, Kottaimuthu R (2018) <i>Salacia agasthiamalana</i> Udayan, Yoganann & Pradeep (Celastraceae: Salacioideae): A New Record for Tamil Nadu, India. An International Journal of Environmental and Biodiversity 9: 200-203.	-

27	Jeevith S, Manoj S, <b>Rajasekar C</b> (2018) <i>Argynnis hyperbius hybrida</i> (Nymphalidae) the Nilgiri Fritillary: A Life-Cycle Record from the Nilgiris, Southern Western Ghats, India. Biological Forum – An International Journal. 10: 37-42.	-
28	Viswanathan MB, <b>Rajasekar C</b> , Sathish Kumar P (2014) ISSR and ITS Analyses to Assess Genetic Diversity and Phylogeny to conserve an endemic and Critically Endangered Tree, <i>Memecylon subcordatum</i> in India, Ecological Genetics and Genomics 7: 6-12 (Elsevier) 1.90	1.90
29	<b>Rajasekar C</b> , Samydurai P, Kanivalan I, Rajendran A (2017) Light and Scanning Microscopic Studies on <i>Utricularia gibba</i> L.-Lentibulariaceae. Research and Reviews: Journal of Botany, 6: 1-4.	-
30	Samydurai P, Rajendran A, Sarvalingam A, <b>Rajasekar C</b> (2017) Ethnobotanical knowledge of threatened plant species <i>Andrographis</i> in Nilgiri Biosphere Reserve, Tamil Nadu, India. International Journal of Herbal Medicine 5: 103-107.	-
31	Viswanathan MB, <b>Rajasekar C</b> , Sathish Kumar P (2014) Genetic diversity of steno endemic and critically endangered <i>Monoon tirunelveliense</i> (Annonaceae) from India as revealed by ISSRs. Trees 29: 437-447. (ISSN: 0931-1890) (DOI 10.1007/s00468-014-1122-y). (Springer) 2.529	2.529
32	Viswanathan MB, <b>Rajasekar C</b> , Sathish Kumar P, Rajesh R (2014) Population Ecology of an Endemic and Endangered Tree, <i>Memecylon Subcordatum</i> from Kalakkad-Mundanthurai Tiger Reserve in India. J SWAMY BOT – CL. 31:53-66 (ISSN: 0256-9493).	

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