

TEACHER PROFILE OF Dr. RAJESH KUMAR. T

**(Assistant Professor, Department of Botany, NSS College,
Manjeri, Manjeri College P.O, Malappuram, Kerala, 676122)**

Name: Dr.Rajesh Kumar .T

Qualification: Msc., Ph.D

Department: Botany

Date of Birth: 31.08.1980

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Permanent Address

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Academic details

Recognized Research Guide of Botany (Kerala University)

Academic Council Member (University of Calicut)

Faculty of Science in Plant Science (University of Calicut)

IQAC Coordinator (2024 June onwards)

Board of Studies Member in UG Botany (University of Calicut)

NSS Programme officer (2018-2021)

Executive Editorial member of the journal "Journal of Advances in Biological Sciences"

Life member of Indian Association for Angiosperm Taxonomy (IAAT)

Former Board of Studies Member of Calicut University UG Plant Science

Awarded FLAIR Faculty of Kerala Higher Education Department

Papers published by Dr. Rajesh Kumar T

1. Arya S, Rajesh Kumar T, Santhosh Kumar R and Anju VS, "A study on the different pigments in *Clitoria ternatea* L. Varieties (Fabaceae).", *Journal of Pharmacognosy and Phytochemistry*, Vol- 7, No-special issue, Pages: 1107 - 1109, January 2018

2. Rajesh Kumar T, Santhosh Kumar R and Anju VS, "Phytochemical and antibacterial activities of crude leaf and root extracts of *Clitoria ternatea* varieties (Fabaceae)", *Journal of Pharmacognosy and Phytochemistry*, Vol-6, No-6, Pages: 1104 - 1108, November 2017

3. Rajesh Kumar T, Santhosh Kumar R, Yusuf Akkara, "GC and GC-MS analysis of the dried Leaf and Rhizome essential oil of *Curcuma aurantiaca* Zipp. (Zingiberaceae).", *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)*, Vol-12, No-4, Pages: 68 - 75, August 2017

4. Rajesh Kumar T and Yusuf Akkara, "Analysis by gas chromatography-mass spectrometry of the essential oil of *Curcuma inodora* Blatt. (Zingiberaceae) from Southern India", *Journal of Pharmacognosy and Phytochemistry*, Vol-6, No-4, Pages: 1629 - 1634, July 2017

5. Arya S, Rajesh Kumar T, "A comparative study on the impact of fertilizers in *Amaranthus caudatus* and *Amaranthus tricolor*.", *International Journal of Current Research in Life sciences*, Vol-6, No-7, Pages: 685 - 688, July 2017

6. Arya S, Rajesh Kumar T, Santhosh Kumar R, "Comparative study on the effect of fertilizers on agronomic and biochemical characters in *Amaranthus* sp.", *Indian Journal of Tropical Biodiversity*, Vol-25, No-1, Pages: 93 - 97, June 2017

7. Arya S, Rajesh Kumar T, Santhosh Kumar R, "COMPARATIVE STUDIES ON MORPHOLOGY AND ANATOMY OF SELECTED SPECIES OF THE GENUS *AMARANTHUS* L. IN KERALA", *Indian Journal of Plant Sciences*, Vol-6, No-2, Pages: 99 - 105, June 2017

8. Divya KR, AR Anjali and Rajesh Kumar T, "Phytochemical screening of *Saraca asoca* (Roxb.), De. Wild", *Journal of Pharmacognosy and Phytochemistry*, Vol-3, No-6, Pages: 518 - 521, April 2017
9. T. Rajesh Kumar, Divya K.R and Padmapriya C.P, Comparative study of some medicinally important members of family Menispermaceae from Kerala. India. *Indian Journal of Tropical Biodiversity*, Vol-2, No-24, Pages: 136 - 143, January 2017
10. Arya S and T. Rajesh Kumar, "Comparative study on the effect of fertilizers on agronomic and biochemical characters in *Amaranthus* species.", *Proceedings :Genomics in Health and disease*. 29 th Kerala science congress. Vol-1, Pages: 71 - , January 2017
11. Arya S and T. Rajesh Kumar, "Noval traits for identifying *Amaranthus spinosus* using systematic and biochemical studies.", *International Journal of Advanced Research*, Vol-5, No-1, Pages: 1579 - 1584, 2017
12. Yusuf Akkara and Rajesh kumar Thaliyangal and Santhosh Kumar, "Morphological characters and Random Amplified Polymorphic DNA based genetic diversity analysis of *Curcuma* species (Zingiberaceae) from India *Animal and Environmental Sciences*.", *International Journal of plant, Animal and Environmental Sciences.*, Vol-6, No-4, Pages: 38 - 52, 2016
13. Raveendran PB, Neethu S. Kumar, Sumitha VR, Rajesh Kumar T, Sreeja Thankappan, "Herbs as home remedies: a cross sectional survey of people in selected areas of Malappuram district of Kerala", *Indian Journal of Tropical Biodiversity* , Vol-2, No-23, Pages: 213 - 217, 2015
14. Yusuf Akkara and Rajesh kumar T, Genetic diversity analysis of *Curcuma* species (Zingiberaceae) of India based on Morphological characters and Random amplified polymorphic DNA. *Prospectus in Forestry and Agriculture*. KFRI. ISBN: 9788185041803:, Vol-14, Pages: 73 - 86, 2015
15. Yusuf Akkara and Rajesh kumar Thaliyangal,, "Micropropagation and Evaluation of genetic stability of wild *Curcuma* Species and *C.longa* morphotypes using Random amplified polymorphic DNA.", *Current Botany*,, Vol-5, Pages: 1 - 6, 2014
16. Rajesh Kumar T, Sabu M and Thomas V P, "*Stachyphrynium repens*(Marantaceae): A new record for India from Andaman and Nicobar Islands.", *Rheedea*, Vol-2, No-21, Pages: 139 - 141, 2011
17. Yusuf A, Rajesh Kumar T, Nikilesh T S and Rao P S, "Effects of antioxidants and gelling agents on regeneration, in vitro conservation and genetic stability of *Bacopamonnieri* (L.) Pennell.", *International Journal of Ayurvedic and Herbal medicine.*, Vol-3, No-1, Pages: 92 - 103, 2011
18. Sanoj E, Sabu M and Rajesh Kumar T, "*Hedychium forrestii* (Zingiberaceae) with a new synonymy and a new variety from India. *J. Bot. Res. Institute Texas*", *J. Bot. Res. Institute Texas*, Vol-2, No-4, Pages: 633 - 639, 2010

19. M. Sabu, Sanoj & Rajesh Kumar (Kress et al, 2010), "Larsenianthus arunachalensis M. Sabu, Sanoj & Rajesh Kumar a new generic record from India (Kress et al 2010)", *PhytoKeys* , Vol-1, No-28, Pages: 31 - , 2010
20. Sanoj E, Thomas V.P. Sabu M and Rajesh Kumar T, "Stahlianthus involucratus(King ex Baker) R.M. Smith (Zingiberaceae): A new generic record for India.", *Folia malaysiana*, Vol-1, No-9, Pages: 43 - 50, 2008
21. Santhoshkumar, R., Rajesh Kumar, T., Raveendran, P.B., Lalithambika, R., Arya, S. Allelopathic Effect of Shampoo Ginger; *Zingiber zerumbet* (L.) Smith against the Germination of Bengal gram; *Cicer arietinum* (L.) - *Journal of Advances in Biological Sciences* Volume 4; Issue 2. 2017
22. Rajesh Kumar T and Yusuf Akkara ._Chemical examination of the leaf essential oil of *C. mutabilis* Sckornickova et al. from southern India. - *Journal of Advances in Biological Sciences* 2017 Volume 4; Issue 1
23. Arya S and Rjesh Kumar T, Impact of Urban air pollution on anatomical traits and phytochemical compounds in *Amaranthus viridis* and *amaranthus spinosus* . *Indian Journal of tropical Biodiversity*. 26(2) 2018.
24. Sindhu Arya, Venugopalan Nair Saradhamma Anil kumar, Walsan Kalarikkal Vishnu, Thaliyangal Rajesh Kumar. *Amaranthus saradhiana* (*Amaranthaceae*)- a new species from southern Western Ghats of Kerala, India. *Phyto taxa* Vol. 403. No. 3
25. JISA JOHN AND RAJESH KUMAR T,QUALITATIVE ANALYSIS OF SECONDARY METABOLITES PRESENT IN THE GENUS *PLUMBAGO* L. (*PLUMBAGINACEAE*) FOUND IN KERALA, *IJBPAS*, November, 2020, 9(11): 2866-2872.
26. Jisa John and Rajesh Kumar T, Morphological and anatomical comparison of three different *Plumbago* species (*Plumbaginaceae*) found in Kerala. *International Journal of Botany Studies*, Volume 5; Issue 3; 2020; Page No. 69-72.
27. ARYA PRABHA M AND RAJESH KUMAR T, MORPHOLOGICAL, PHYTOCHEMICAL AND PHYSICO-CHEMICAL PROFILING ON LEAF EXTRACT OF FOUR *MENISPERMACEAE* SPECIES FROM KERALA. *IJBPAS*, November, 2020, 9(11): 3002-3015.
28. ARYA PRABHA M AND RAJESH KUMAR T, Comparative anatomy and trichome morphology on three medicinally important species in the family *menispermaceae* of southern Western Ghats. *International Journal of Botany Studies*, Volume 5; Issue 3; 2020; Page No. 370-374.
29. RAJESH KUMAR T AND YUSUF AKKARA, (2017) Chemical composition of the rhizome essential oil of *Zingiber cernum* from southern India. *Indian J Trop Biodiv* 25(2): 154 – 164.
30. Arya Prabha, M., Rajesh Kumar, T., & Kumar, N. S. (2023). Morphological, anatomical and phytochemical characterization of *Cocculus* species (*Menispermaceae*) in Western Ghats.

International Journal of Biology, Pharmacy and Allied Sciences, 12(4), 1757-1769.

31. Arya Prabha, M., Rajesh Kumar, T., & Neethu, S. K. (2022). Morphological, Phytochemical Screening and HPLC Profiling of *Fibraurea darshani* (Menispermaceae), An Endemic Species to Western Ghats. *Research Journal of Agricultural Sciences*, 13(5), 1407-1410.

Published Book

1. Yusuf Akkara and Rajesh Kumar Thaliyangal (2020) *Phylogeny of Curcuma Spp. Using morphological and Molecular Markers*, ISBN: 978-620-0-57141-0, Lambert Academic Publishing

Chapters in Book

1. Yusuf Akkara and Rajesh kumar T, Genetic diversity analysis of *Curcuma* species (Zingiberaceae) of India based on Morphological characters and Random amplified polymorphic DNA. *Prospectus in Forestry and Agriculture*. KFRI. ISBN: 9788185041803: chapter 14: 73-86. (2015).

2. Rajesh Kumar T, Study of 10 World class Movies-Plants take Iconic and Centre stage, *Media Musings*. UGC-HRDC, University of Calicut, ISBN: 978-93-87398-96-2: PP. 294-298, Insight Publica.

Proceedings and Extended abstracts

1. Arya S and Rjesh Kumar T, Comparative study on the effect of fertilizers on agronomic and biochemical characters in *Amaranthus* species. *Genomics in Health and disease*. 29 th Kerala science congress. 28-30 January 2017 P.p. 71

2. *Rajesh Kumar T and Yusuf Akkara* Effects of antioxidants and gelling agents on regeneration, in vitro conservation and genetic stability of *Bacopamonnieri* (L.) Pennell." ICABS. KANNUR UNIVERSITY, KERALA. March-2012.

3. Sajeevan R.S, Rajesh Kumar, T, Sabu M and George Thomas. DNA Barcoding of selected species of the family Zingiberaceae. National symposium on "From chromosomes to genomes: challenges and prospects. 26-28, March 2008

4. Deena T. Kochunni, Sajeevan R.S, Rajesh Kumar, T, Geethu Elizabeth Thomas, Rajamanickam R, Sabu M and George Thomas. Development of DNA Barcode for medicinally important species in family Zingiberaceae. National seminar on "Molecule to Drugs" 2009.

5. Rajesh Kumar, T and M.Sabu. Taxonomic revision of the genus *Cautleya* (Zingiberaceae) in India. International seminar on multidisciplinary approaches in Angiosperm systematic. 11-13 October, 2008.

6. Rajesh Kumar, T and M. Sabu. Taxonomic revision of the family Marantaceae in Andaman & Nicobar Islands. International symposium on Angiosperm Systematics & Phylogeny: Retrospects & Prospects” 12-14 November. 2009, NBRI, Lucknow.
7. George Thomas, Suresh Kumar, u, Rajesh Kumar, T, Sabu M and Sanil George. DNA barcoding reveals poor species resolution by universal plant barcode loci in Indian Zingiberaceae. Fourth international Barcode of Life Conference, Adelaide, November 30-December 3-2011.
8. Jisa John and Rajesh Kumar T. “Anatomical studies of three different Plumbago species found in Kerala” in the National seminar on Plant diversity conservation and bioprospecting in western ghats by Directorate of collegiate education, Govt of Kerala and Dept of Botany held at Govt college Kasaragod on 26-27 September 2018.
9. Jisa John and Rajesh Kumar T. “Preliminary phytochemical screening of three different Plumbago species found in Kerala” in the National Seminar on Interdisciplinary Approaches in Materials and Biological Research (IAMBR-2019) held at Mahatma Gandhi College, Kesavadasapuram, Thiruvananthapuram on 15 th and 16 th of March 2019. Abstract book page number: 25.
10. Jisa John and Rajesh Kumar T “Morphological and anatomical studies of three different Plumbago species found in Kerala” in the National Seminar on Ecology and Conservation” held at Department of Zoology, University of Kerala, Kariyavattom on 14-16 January 2019. Abstract number: ECOR21
11. Arya Prabha M and Rajesh Kumar T “Morphological and phytochemical screening of selected members of the family Menispermaceae found in Kerala” in the National Seminar on Interdisciplinary Approaches in Materials and Biological Research (IAMBR-2019) held at Mahatma Gandhi College, Kesavadasapuram, Thiruvananthapuram on 15 th and 16 th of March 2019. Abstract book page number: 29.
12. Arya Prabha M and Rajesh Kumar T. “Morphological and Anatomical Studies of *Anamita cocculus* (L) Wight & Arn. , *Cissampelos pariera* L. var. *hirsuta* (Buch. -Ham. ex DC.) Forman. and *Cyclea peltata* Hook. f. & Thoms. of the Family Menispermaceae” in the National seminar on Plant diversity conservation and bioprospecting in western ghats by Directorate of collegiate education, Govt of Kerala and Dept of Botany held at Govt college Kasaragod on 26-27 September 2018.

COURSES ATTENDED

Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
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Orientation Programme	UGC- ASC Kerala University	28-02-2018 to 27-03-2018	UGC
Refresher Course in Gender Studies (Interdisciplinary)	UGC-ASC Calicut University	01.07.2022- 14.07.2022	UGC
Refresher Course in Media Studies(Interdisciplinary)	UGC- HRDC University of Calicut	02-03-2019 to 22-03-2019	UGC
FLAIR-Induction Training (FDP)	MHRD-TLC IIT-Madras	16-01-2019 to 26-01-2019	Collegiate Education
Refresher Course in Environmental Studies (Interdisciplinary) ONLINE	UGC- ASC Goa University	12.01.21-25.01.21	UGC
Short- term Course on e-content development and Online Pedagogy ONLINE	UGC- HRDC University of Calicut	24-09-2020 – 30- 09-20	UGC
Short term Faculty Development Programme on “ICT Tools for Teaching Learning Process- Post Pandemic Educational Strategies ” ONLINE	Sree Narayana College, Kollam	August 17-23 , 2020.	Kerala State Higher Education Council
Short term Faculty Development Programme on “Implementation of Information and Communication Technology in Teaching” ONLINE	School of Legal Studies , Cochin University of Science and Technology	July 18-24 , 2020.	Kerala State Higher Education Council
Short-Term Faculty Development Programme on “PEDAGOGICAL AND E-LEARNING TOOLS FOR TEACHING ONLINE	Sanatana Dharma College, Alappuzha	04th -10th August 2020.	Kerala State Higher Education Council