



Name : Dr. C. Krishnaveni

Designation : Associate Professor and HOD

Department: Botany

Qualification :M.Sc., M.Phil., B.Ed. PhD.

Experience : Teaching -27 Years

Research : 25 Years

Area of Specialization(s): Microbiology, Plant Systematics, Medicinal Botany

Email(Official ID) : krishnaveni@psgrkcw.ac.in

Academic Qualifications

Degree	Branch	Institution/University Name	Year of Graduation
Ph.D.	Botany	Bharathiar University, Coimbatore	2009
B.Ed.,	Life Science	Madurai Kamaraj University Madurai	1995
M.Phil.	Botany	Madurai Kamaraj University Madurai	1992
M.Sc.,	Botany	Madurai Kamaraj University Madurai	1991
B.Sc.	Botany	Madras University, Chennai	1989

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M.Phil. Botany	12	-
Ph.D. Botany	05	01

Research Projects

1. DST sponsored Major project (2009-2012), **Biodiesel production from Pongamia and Jatropha oil using microbial lipase as catalyst.**(Rs.13,33,000) No.-DST/TSG/AF/2009/03 (CO PI)
2. TNSCST STUDENT PROJECT(2013-14) **Evaluation of phytochemical, antimicrobial and**

antioxidant activities of tubers of *Gloriosa superba* L.

3. **DSTNRDMS** sponsored Major Project (2016-2019) **Eco-distribution mapping of Medicinal plants through GIS and socio-economic empowerment to ST Women of Nilgiris District, Tamil Nadu** (Rs.19,80,000/-) No-NRDMS/01/68/15 (CO PI)
4. **BIRACEYUVA** sponsored (2022-2023) **Healthy Probiotic Jelly using Arrowroot Powder with natural colourant** (Rs.5,50,000/-) BT/EF0068/01/22
5. **TNSCST STUDENT PROJECT** (2024-2025) **A Study on DNA Barcoding to unveil the Genetic Identity of *Ardisia* sp. Plants of Western Ghats** Project code-990.

Research Publications (Indexed)

1. Priya.K and **Krishnaveni .C**, 2005, Antibacterial effect of *Bulbophyllum neigherrense* (Orchidaceae) an invitro study, Ancient Science of Life, Vol.25 (2), Oct-Dec, 2005.(Web of Science).
2. **Krishnaveni. C**, 2010, Growth of *Euphorbia tirucalli* on soil and naturally degraded coir pith as potting medium, Ad. Plant. Sci., 23:337, ISSN No-970-3586 (Indexed).
3. **Krishnaveni.C** and Meerabai R S, 2011. Optimization of growth condition for lipase production by *Aspergillus oryzae* using mustard oil as a carbon source. Res.Jour. of Agri.Sci.2:728-730, ISSN N0-0976-1675.(UGC Care)
4. **Krishnaveni C** and Divya, 2016, Utilization of Coconut leaf sheath fiber and its properties, Journal of International Academic Research for Multidisciplinary, 4(3),27-31, ISSN No-2320-5083 (Indexed)
5. Kemila P and **Krishnaveni C**. 2016, Phytochemical and antimicrobial evaluation of the leaves of *Antiaris toxicaria*, (Lesch) Journal of Applied and Advanced Scientific Research, Vol.no- 1 (1): 160- 165.(**Scopus indexed**).
6. **Krishnaveni.C** and Maruvor Arasi.K, 2017, Anti-inflammatory activity of aqueous leaf extract of *Annona muricata* L and *Spermacoce articularis* L. against carrageenan induced Paw oedema in rats, International Journal of Pharmacy and Biological Sciences, Vol.7 (3),108-113,(Indexed).
7. **Krishnaveni.C** and Bala Abinaya.R, 2018, Comparative studies of phytochemical, physico chemical, antioxidant properties and GC MS analysis on leaves extract of *Boerhaavia diffusa* L. and *B.repens* L., International Journal of pharmacy and Biological Sciences,, vol.8(1) 349-358(UGC Approved).
8. **Krishnaveni.C** and Maruvor Arasi.K, 2018, Antipyretic potential aqueous leaf extracts of *Annona muricata* L and *Spermacoce articularis* L. for yeast induced pyrexia in rats, Asian Journal of Pharmaceutical and Clinical Research, Vol-11(3):148-151.(UGC Approved).
9. Kemila, P. and **Krishnaveni, C**, 2019. Survey of ethnomedicinal plants, Nilgiri Biosphere Nature Park at Thuvaiopathy, Anaikatti, Coimbatore, Tamil Nadu, India. Plant Archives, 19(1): 441-448. (UGC CARE).
10. Kemila, P. and Krishnaveni, C, 2019. Pharmacognostical and antioxidant properties of the leaves of *Antiaris toxicaria*, (Lesch) International Journal of Pharmacy and Biological Sciences, 9(1): 369-373. (UGC Approved)
11. Malathi.K, **Krishna Veni. C**, Sahithya. S and Akila Shree J., 2020. GC-MS Analysis of Bioactive components present in ethanolic stem bark extract of an endemic plant, *Chionanthus mala-elengi* (Dennst.) P.S. Green (Oleaceae), Plant Archives, (UGCCARE).
12. Malathi. K, C. Krishnaveni, J.M. Sasikumar S. Sahithya and J. Akila Shree, 2020, Phytochemical screening and GC-MS analysis of bioactive compounds present in ethanolic leaves extract of an endemic plant *Chionanthus mala-elengi* (Dennst.) P.S.Green. Plant Archives. Vol. 20(2):4193-4200 (**Scopus**).
13. Akila Shree J, **Krishnaveni C**, 2021, Isolation, Identification and Molecular Characterization of Endophytic Fungi from the leaves of *Coelogyne* species, and their role as an Antimicrobial agent, Research J. Pharm. and Tech. 14(11): 5613-5617(**Scopus**).

14. Sahithya S, **Krishnaveni.C**,2022, FT-IR and GC-MS Analysis of Stem Extract of Ethnomedicinal Plant: *Bridelia montana* (Roxb.) Willd. Asian J Biol Life Sci.;11(2):1-5.(UGC Care).
15. Sahithya S, **Krishnaveni.C**. 2022, Physicochemical Analysis, in vitro Antioxidant and Antimicrobial Potential of Leaves of *Bridelia montana* (Roxb.) Willd. Asian J Biol Life Sci.;11(3):1-7.(UGC Care).
16. Akila Shree.J , Krishnaveni C. 2022,Preliminary Phytochemical Screening and GC-MS Analysis of Ethanolic Stem Extract of the Ethnomedicinal Plant- *Tinosporacrispa* (L.) Miers [Menispermaceae] Asian J Biol Life Sci.;11(2)476-481.(UGC Care).
17. Akila Shree.J , **Krishnaveni C**. 2022 Phytochemical screening, antioxidant and antimicrobial activity of the ethanolic leaf extract of *Tinospora crispa* (L.) Miers[Menispermaceae] Asian J Biol Life Sci.;11(3) 668-674,(UGC Care).
18. Kemila.P and **C.Krishnaveni**, 2023,Ethnomedicinal plants used by the tribes in Gunri Panchayat of Sathyamangalam Taluk, Erode District, Tamil Nadu , India. Journal of Non-timber Forest products, 30: (2), 92-101 (UGC Care).
19. Praticia Preethi, Jenifer S. **Krishnaveni.C**, Kanchana.M.2023, Role of Lens and Dormancy Breaking Treatment in Fabaceae Seeds (*Acacia auriculiformis* a.Cunn. Ex Benth., *Delonix regia* (Bojer ex Hook.) Raf. *Cassia fistula* L., *Samanea saman* (Jacq.) Merr., *Pongamia pinnata* L.), Research Journal of Biotechnology, Vol-18(11),(Scopus).
20. Saravanan Monisha,Rajendran K. Selvakesavan,Reena Navaroja, **C. Krishnaveni**,Marimuthu Kanchana, 2024, Utilization of arecanut leaf sheath and orange peel as environmentally friendly alternative substrates for cultivating *Pleurotus ostreatus*,Biomass Conversion and Biorefinery, <https://doi.org/10.1007/s13399-024-05778-w>(Scopus- Springer Nature).
21. Kiruthika.K, M. Sulaiman, **C. Krishnaveni**, 2024, *Strobilanthes*: A GIS Approach on Iconic Flowering of the Nilgiris, Western Ghats, India, Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. <https://doi.org/10.1007/s40011-024-01591-7> (Scopus).
22. Kemila.P and **C.Krishnaveni**, 2024,Ethnomedicinal survey on plants used by tribes in Gunri panchayat of Sathyamangalam Taluk, Erode District, Tamil Nadu in India- Part II. Journal of Non-Timber Forest Products. Issue: 30(4), pp.194-201, (UGC Care).

Book Chapter Published

- Chapter contributed in the book titled “Environmental Studies” for under graduate students by the Dept of Botany, PSGR Krishnammal College for Women, Coimbatore.
- Kemila.P and **C.Krishnaveni**, 2023,Medicinal plants in traditional systems of Medicine, Recent Developments in Basic and Applied Sciences ,CIIT Publishers,Coimbatore ,Vol.14, 103-110 ,ISBN-9789391347864.
- Saranya.S, Kemila.P and **C.Krishnaveni**, 2024,Impact of Heavy metals in Environment and Human health, Recent Developments in Basic and Applied Sciences CIIT Publishers,Coimbatore, Vol.22, 181-188 ,ISBN-9789391347864.
- Saranya.S, **C.Krishnaveni** and Kemila.P ,2024,A Review of historical background of Ethnobotany and culture of Indian Tribes, Advances in Chemical and Biological Science.

Reviewer in journal

Reviewer – *Discover Plants*, Springer Nature (2025)

Paper Presentations in Conference

- Presented 70 research papers in national and international conferences.

Participation in Workshop

Participated in 15 workshops covering diverse topics such as

- Techniques of Bacterial identification,
- Analysis of water Quality parameters
- Bioinformatics and Genomics,
- Morphology and biochemical characterization of Microbes
- Landscaping and ornamental gardening,
- Bonsai-The Art of Living Sculpture,
- Sustainability through Green Chemistry and Catalysis,
- Hands on Training on Modern Instruments,
- Floristic Documentation and Herbarium Technology -Tools for species conservation

Conference/Seminar/Workshop Organized

- International Conference on Biotechnology – Promises and Realities, organized by Department of Botany, PSGRKC held on 14th and 15th July, 2006.
- Organised DST sponsored INSPIRE programme to School Students at PSGR Krishnammal College for women held on 25th -30th November 2013.
- Organised SERB sponsored National Seminar on Research trends in plant sciences and its societal impacts at PSGR Krishnammal College for Women, held on 5th and 6th January 2016.
- Organised SERB sponsored National level workshop on "Taxonomy of Angiosperms: Field to Laboratory" on 9th Dec to 13th Dec 2019.
- Organised SERB sponsored International Conclave on "One Health" on 18th and 19th September 2024

Board of Studies

1. Selvam Arts and Science College, Nammakal
2. PSG College of Arts and Science (Autonomous), Coimbatore
3. Sri Saradha College for Women, Salem.
4. Jamal Mohamed College (Autonomous), Trichy
5. Bharathiar University, Coimbatore

Contribution

Department co-ordinator for Inter collegiate cultural festival –**Karishma** at PSGR Krishnammal College for Women, Peelamedu, Coimbatore for 1 years.

College co-ordinator for **Eco –watch Club** at PSGR Krishnammal College for Women, Peelamedu, Coimbatore for 3 years. (2012-2015)

Member in **College admission Committee** at PSGR Krishnammal College for Women, Peelamedu, Coimbatore for 2001-2018, 2020

District level cultural competition for Self-help group Judge organised by Tamilnadu Women Developments corporation, Collector office, Coimbatore on 3rd January 2011.

Anti-ragging committee member at PSGR Krishnammal College for Women, Peelamedu, Coimbatore
from 2014 -2018