Dr. Sangetha S.

Assistant Professor in Botany (2017 – Present)
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Objective

To build a fulfilling career in teaching (advanced and fundamental Botany topics), research, and development by driving academic innovation, fostering organizational excellence, and actively sharing knowledge to inspire learning and skill enhancement.

Academic Qualifications:

- **PhD in Plant taxonomy** from S.D. College Alappuzha (Affiliated to *Kerala University).* 2019-2023, Kerala, India
- **NET: Passed (2010)**
- **SET: Passed (2010)**
- **B.Ed** (**Natural science**) Badhiriya B.Ed Training College, Kollam, Kerala (Affiliated to Kerala University, Thiruvananthapuram, Kerala, India) (2008-2009)
- **MSc. in Botany** Marthoma College, Thiruvalla, Pathanamthitta (Affiliated to M.G.University, Kottayam, Kerala, India) (2006-2008).
- **B.Sc. in Botany**, Marthoma College, Thiruvalla, Pathanamthitta Kerala-(2003-2006).
- **Higher Secondary** (Science) from GFHSS. Kuzhithura, Alappad, Karunagappally (Affiliated to Kerala University, Thiruvananthapuram, Kerala.) (2001-2003)
- **Secondary** from the RVSM Higher Secondary School, Prayar, Oachira
- (SSLC, Kerala) (2001)

Experience:

- Guest Lecturer, D.B. College, Sasthamcotta (June 2011-March 2012)
- FIP Substitute Lecturer, Bishop Moore College, Mavelikkara (March 2012-2013 November).
- FIP Substitute Lecturer, Christian College, Chengannur (January 2014- 2016 December).

Other Responsibilities/Positions Held in D.B.Pampa College

- Convenor of Tourism Club (2024 - 2026)
- Executive member of anti-ragging cell (2026)
- Executive member of Pampa Skill Centre (2026)
- Executive member of Minority cell (2025-2026)
- Executive member of YIP (2025-2026)
- Convenor of Anti ragging cell (2023-2024)
- Ladies Hostel Warden (2021-2022)
- Executive member of Discipline committee (2020-2021)
- Convenor of Forestry Club (2018 -2023)
- Convenor of Minority Cell (2018 -2019)
- WWS (Walk with the scholar) mentor in 2018-2019

Research Areas

- Plant Taxonomy
- Plant Anatomy
- DNA Barcoding
- Ethnobotany

Research Projects:

- "Taxonomical, DNA barcoding, Anatomical and Ethnobotanical Studies on the genus *Cleome* sensu lato in Kerala state" under the guidance of Dr. Sunil Kumar, Assistant Professor, Department of Botany
- MSc Project: "pH and Temperature specificity of ATPase enzyme in *Cocos nucifera"*

Research Contribution:

DNA sequence deposition in **NCBI GENBANK**

- DNA sequence data of 10 species (*Cleome* sps. Sensu lato in Kerala) were generated using molecular markers and deposited in the National Center for

Biotechnology Information (NCBI) GenBank database. The sequences were obtained using the Internal Transcribed Spacer (ITS), matK, and rbcL markers and received 30 accession numbers.

Herbarium depositions

Voucher specimens of seven different species of *Cleome* sensu lato deposited in Kerala University Herbarium KUBH (Accession number KUBH 11132-KUBH11138) for future reference.

Seminars/Conferences/ Workshop/attended:

- 31st Indian Association of Angiosperm Taxonomy (IAAT) annual conference and international conference on "documentation, Bioprospecting and conservation of for sustainable development", organized by Dr. D.Y.Patil arts and science College, Akrudi Pune (2022)
- International conference on "Current trends in life science for a sustainable future conducted by Mar Ivanios College, Thiruvananthapuram (2022).
- Enwenar series online session on "Neglected plants" by Kottayam Nature society and Alappuzha Nature History society. (2020)
- Two days International Virtual Conferences on "Frontier in health sciences organized by department of Zoology and zoological society of Cotton University, Guwahati, India (2020)
- Webinar on "Crafting your Research Grants Proposal" organized by PG and Research department of Botany and IQAC, St.Peter's College, Kozhenchery (2020)
- Webinar series on "Recent trends in plant ecophysiology"organized by department of botany and IQAC, D.B.Thalayolapararambu College, Kottayam (2020)
- Webinar series on Molecular Diagnostic Platforms Through Chemistry, Biology and Nano technology organized by department of Botany, University of Kerala (2020)
- National webinar on "Silent valley A tropical Rain Forest" organized by department of botany and IQAC of Marthoma College, Chungathara. (2020)
- National level five days online training in biological sciences conducted by the Post graduate and Research department of botany, S.N. College, Nattika (2020)

- Three days hands on training -cum-workshop in Taxonomy in the Plant systematic Division of CMPR (Centre for Medicinal Plant Research), Arya Vaidya Sala, Kottakkal, Malappuram. (2019)
- Three-day National workshop on "Techniques in Molecular biology" sponsored by Department of collegiate education, organized by Govt.Victoria College Palakkad. (2018).
- One day workshop "Digital Tools in Research Methodology, organized by Research Monitoring Committee of Sanatana Dharma College, Alappuzha

U.G projects undertaken

- Floristic diversity of Sasthamcotta lake zone Part -1 and documentation of invasive species (2024).
- Diversity and morphometric analysis of family Euphorbiaceae of D.B. Pampa College campus (2023)
- A study on diversity of invasive Plant species of nearby areas of D.B. Pampa College. (2022)
- A study on aquatic diversity in nearby areas of D.B. Pampa College during summer season (2022)
- Documentation of underutilized plants in Mannar Panchayath (2021)
- A study on indigenous knowledge (Traditional medicine) in Mannar Panchayath ward no. 1 (2020).
- A study on comparison effect of chemical insecticide (Coragen) and biological insecticide on seed germination of Amaranthus tricolor (2020)
- Isolation and identification of aero mycoflora of D.B. Pampa College campus (2019)
- Identification of Monocotyledonous weeds in D.B. Pampa College campus (2018)
- Identification of Dicotyledonous weeds in D.B. Pampa College campus (2018)

Papers published:

- **Suran, S**., Pillai, S.T. 2023. *Corynandra felina* (L.f.) Cochrane and Iltis (Cleomaceae), a new record to the angiospermic flora of Kerala. J. Indian bot. Soc., 1-3. Doi: 10.5958/2455-7218.2023.00016.5 (2023)

Book chapter Published:

- Scanning Electron Microscopic studies of seeds of the genus *Cleome s.l.* (Cleomaceae) in Kerala (2024)

Abstract published:

- Understanding the present taxonomic position of *Cleome species (Cleomaceae) in Kerala: a sensu stricto* approach, international conference on conducted by Mar Ivanios College, Thiruvananthapuram (2022)
- Ethnobotanical studies of Genus *Cleome* L. in Kerala state ,31st Indian Association of Angiosperm Taxonomy (IAAT) annual conference and "documentation, Bioprospecting and conservation of for sustainable development", organized by Dr. D.Y.Patil arts and science College, Akrudi Pune (2022)
- pH and Temperature specificity of ATPase enzyme in *Cocos nucifera*" (2012), National conference on 'Recent trends in Molecular Biology', Bishop Moore College, Mavelikkara.

Papers Presented

- Understanding the present taxonomic position of *Cleome* species (Cleomaceae) in Kerala: a sensu stricto approach presented in international conference conducted by Mar Ivanios College, Thiruvananthapuram ,2022
- Ethnobotanical studies of Genus *Cleome* L. in Kerala state presented in 31st Indian Association of Angiosperm Taxonomy (IAAT) annual conference, in Pune. (2022).

Faculty Development Programmes Attended:

- UGC- Sponsored Orientation Programme conducted by the UGC- HRDC, Kannur University from 13-11-2019 to 3-12-2019.
- UGC sponsored Refresher Course in Biotechnology conducted by the UGC-HRDC, University of Calicut, Malappuram, from 16-09-2021 to 29-09-2021.
- UGC sponsored Refresher Course in 5th Refresher course in Interdisciplinary advances in biological sciences conducted by the UGC- MMTTC, University of Calicut, Malappuram, from 15-10-2024 to 28-10-2024.
- Successfully completed International Short-term course on Molecular Taxonomy (online value-added course), organized by Catholicate College, Pathanamthitta in association with Mahatma Gandhi University, Kottayam

Societal Roles

- Official Examination duty (PSC, Kerala).
- Served as presiding officer during Election in Kerala.2020, 2023
- Observer duty UGC-NET 2026 conducted on CBT Mode by NTA.

Member

- Member of Board of studies of Botany in Mahatma Gandhi University (2026)
- Member of Board of studies of Forestry in Kannur University (2026).