
I K NISHITHA

Designation : Assistant Professor
Qualification : MSc. Plant Science, PG Dip. in Bioinformatics, NET
Area of Specialization : General Botany
Email (official) : iknishitha@teresas.ac.in



Profile in Detail

Academic records



- M.Sc. in Plant Science from University of Calicut in 2003
- B.Sc. in Botany from Providence Women's College, University of Calicut, 2001
- PG Dip. in Bioinformatics, Bharathiar University, 2006
- CSIR/UGC NET 2013

Professional/Teaching Experience



Years (in total) - 8

- Name of Institution- : St. Teresa's College (Autonomous), Ernakulam
- Position held- : Assistant Professor
- Period (from-to)- : 5 th June 2015 till date
- Subject handled & Nature of duties- : PG and UG classes

- Name of Institution- : St. Xavier's College, Alwaye
- Position held- : Assistant Professor on contract
- Period (from-to)- : June 2014 – Nov.2014
- Subject handled & Nature of duties- : UG classes

- Name of Institution- : Providence Women's College, Calicut
- Position held- : Guest Lecturer
- Period (from-to)- : July 2010-March2011
: July 2008-March 2009
- Subject handled & Nature of duties- : UG classes

Research Experience & Expertise



- **Research Fellow** (May 2004 – Sept 2006)
KSCSTE funded project titled ‘Pharmacognostic and chemical studies on *Sida* species used as *Bala* in Ayurveda.’

Providence Women’s College, Calicut

Administrative responsibilities and Positions held in College



- UBA -TROP Coordinator (2020-2021)
- AQAR – Dept. Coordinator
- Member, UBA – TROP Core team (2019-2020)
- Staff Association Executive Committee member (2019-20)
- Trop Coordinator (2017-2018, 2018-2019)
- Civil Services Grooming Programme – Panel Member (2018-2019)
- PTA Executive Committee (2017-2018)
- Staff Advisor for Botany Association (2016 -2017)
- SSP Resource Person (2016-2017)

Extension activities



- Organised an online webinar on Popularisation of NEP 2020 for the teachers, parents and students of UBA panchayats.
- Training in Mushroom cultivation for Kudumbasree members
- Organised training sessions for Kudumbasree members in Cloth bag Making

Publications in peer reviewed national/international journals



1. **I K Nishitha**, K P Martin, Ligimol, A Shahanaz Beegum and P V Madhusoodanan. Micropropagation and encapsulation of medicinally important *Chonemorpha grandiflora*. **In Vitro Cell. Dev. Biol. – Plant.** 42: 385-388; 2006
2. Beegum S A, Martin K P, Zhang C L, **Nishitha I K**, Ligimol, Slater A and Madhusoodanan P V. Organogenesis from leaf and internode explants of *Ophiorrhiza prostrata*, an anticancer drug (camptothecin) producing plant. **Electronic Journal of Biotechnology** Vol.10 No.1, Jan 2007.
3. Shylaja M., **Nishitha I. K.** Chemical analysis of root extracts of *Sida* species used as *Bala*. **J. Econ. Taxon. Bot.** 2009, Vol.33 (1), pp 1-12.

4. Shylaja M, **Nishitha I K**, and Renjana P K. Comparative root anatomy of *Sida* species used as '*Bala*' in Ayurveda. **J. Med. and Aro. Pl. Sci.**. 2006; 28:203-208.

Abstracts in Symposium/Seminars

1. Shylaja M and **Nishitha I K**. Chemical profiling of *Sida* species used as *Bala* in Ayurveda. Proceedings of the 18th Kerala Science Congress. Pp.461-463,2006.
2. M. Shylaja, P. K. Ranjana and **I. K. Nishitha**. Pharmacognostic investigation on *Sida* species used as *Bala* in Ayurveda. Abstract in Proceedings of 17th Kerala Science Congress. Pp 306, 2005.

Books authored

- **Manual of Practical Botany** –Ist year Botany Core Course



Seminars/Conferences/Symposium attended

- International webinar series on the topic 'Role of Plant Taxonomy in Biodiversity Conservation' organised by the PG and Research Department of Botany, Carmel College, Mala on 10th August 2020.
- National webinar on 'NEP 2020 reforming and Rejuvenating Teaching and learning in Higher Education Institutions for the 21st Century' organised by the IQAC, Nirmala College, Muvattupuzha on 8th August 2020
- DST-SERB and KSCSTE sponsored 3-day workshop on 'Recent Advancement in Molecular Immunology Research for Sustainable Aquaculture' held at the Department of Fish processing Technology (Biochemistry), KUFOS, Panangad, Kochi from 25th -27th Sept 2019
- 'National Seminar on e-Learning and MOOCs in Higher Education' organised by GAD TLC of MHRD, SGTB Khalsa College, University of Delhi and St. Teresa's College (Autonomous), Ernakulam on 1st March 2019.
- Workshop on 'gender Equity and Inclusion: Transformative Pathways in Higher Education' organised by WISCOMP and St. Teresa's College on January 5th -8th, 2019
- Participated in the 'National Workshop-cum Hands on Training on Marine Macro Algal Taxonomy' under AICOPTAX scheme sponsored by Ministry of Environment, Forest and climate Change, New Delhi, held at BSI, Southern Regional Centre, Coimbatore on 21st Dec. 2018.
- National workshop on 'Digital Learning with Web Cloud App & E-Content Development' organised by IQAC, St. Teresa's College (Autonomous), Ernakulam on 3rd Nov. 2018.



- Two-day workshop on ‘Techno-Pedagogy and Learning Management System’ organised by IQAC, St. Teresa’s College (Autonomous), Ernakulam on 28th and 29th Sept. 2018
- Two-day workshop on Angiosperm Taxonomy titled “working with flowers” organised by the Dept. of Botany, Govt. College, Kottayam under the sponsorship of Dept. of Collegiate Education, Govt. of Kerala on 2nd and 3rd November 2017.
- National seminar on ‘basics in Angiosperm Taxonomy’ organised by PG and Research Dept. of Botany, MES Asmabi College, Kodungallur sponsored by KSCSTE on 22nd November.
- Workshop on ‘Creative Writing for Tapping Funding Resources and Effective Publication’ organised by NIPST, Inter-School Centre, MG University and sponsored by MGU, Kottayam on 27th and 28th February 2017.
- Capacity Building Workshop for SSP Resource Persons, sponsored by the Dept. of Higher Education, Govt. of Kerala on 7th January 2017 organised by St. Teresa’s College.
- National seminar on ‘Glimpses into the Diversity of Lower Groups of Plants’ sponsored by Directorate of Collegiate Education and organised by Dept. of Botany, Maharaja’s College on 29th and 30th Nov. 2016
- Seminar on ‘Biodiversity Conservation Envisaging Ecosystem Changes’ organised by the Dept. of Botany, St. Teresa’s College (Autonomous) on 28th June 2016

Faculty development programs attended

(Orientation/Refresher Course/Workshop/Short term)



- **One-week FDP** 5th to 11th October 2020
‘Capacity Building in Drafting Proposals for Funded Research’ organised by GAD TLCSGTB Khalsa College, University of Delhi under the PMMMNMTT of MHRD and St. Teresa’s College (Autonomous), Ernakulam, Kerala
- **One-month Orientation/Induction programme** –June 04 - July 01, 2020
‘4-week Induction/Orientation Programme for Faculty in University/College/Institutes of Higher Education’ organised by TLC Ramanujan College, University of Delhi sponsored by PMMMNMTT, MHRD
- **Two-week FDP** April 20 to May 06 2020
‘Managing Online Classes and Co-Creating MOOCS’ organised by TLC Ramanujan College, University of Delhi sponsored by PMMMNMTT, MHRD
- **One-week FDP** 1st April to 7th April 2019
‘E-Content Development’ organised by IQAC, St. Teresa’s College in collaboration with Mahatma Gandhi University

Seminars/Conference/Symposium organised



- Member of Organising Committee in the national seminar on ‘Food Prints for Future: Nutritional Genomics and Go Green Initiatives’ jointly organised by the Depts of Botany, Clinical Nutrition and Dietetics and B. Voc. Food Processing Technology, St. Teresa’s College on 4th February 2020.
- Member of Organising Committee of the workshop on ‘Advanced Statistical Methods for Communicating Science’ on 24th January 2020.
- Convener of the International Seminar cum Workshop on ‘Bioinformatics: Promising Arena in Life Science Research’ jointly organised by the Departments of Botany and Zoology, St Teresa’s College on 10th December 2019
- Coordinator of the two day National Seminar titled ‘An Expedition into the Diverse World of Lower Plants’ organised by the Department of Botany St. Teresa’s College on 30th and 31st January 2019.
- Member of Organising Committee in the lecture on ‘Nanomaterials Based Biosensors for Cancer Detection’ as part of the interdisciplinary lecture series Walk With a Scientist: Student-Scientist Interactive Programme, jointly organised by the Departments of Botany and Chemistry on 17th January 2018.
- Member of organising committee in the UGC sponsored national workshop on ‘Capacity Building in Academic Writing and Publishing’ organised by Golden Jubilee memorial Library, St. Teresa’s College (Autonomous) on 15th March 2017
- Member of organising committee of the Capacity Building Workshop for SSP Resource Persons, sponsored by the Department of Higher Education, Govt. of Kerala at St. Teresa’s College (Autonomous), Ernakulam on 07th January 2017.
- Member of organising committee of the Teresian lecture Series for the students and faculty members held during 9th-13th January 2017.
- Member of organising committee in the State Level Workshop and MSc Botany Project Presentation Competition 2016, held at St. Teresa’s College (Autonomous), Ernakulam on 24th September 2016.

I K Nishitha

05/11/2020