


FACULTY PROFILE

PERSONAL PARTICULARS			
Name	Dr. S. Anita		
Department	Botany and Biotechnology		
Designation	Head of Department		
Organization	National College		
Date of Join	02.05.2007		
Core Discipline	Botany		
Specialization	Mutation Breeding		
Areas of Interest	Plant taxonomy, Plant Breeding		
Address	Castle, TC 5/869, DPN 99 Chempakamoodu Peroorkada Thiruvananthapuram 695005		
Phone Number 9947247149		Email id	anita.samraj@gmail.com anita.s@ncas.edu.in
PROFESSIONAL QUALIFICATIONS			
Qualification	Specialization	Institution	
MSc.	Botany	M.G. College	
PhD.	Botany	M.G. College	
HISTORY OF EMPLOYMENT			
	Level	Years of Service	Institution
	Research Assistant	7 years and 5 months	Department of Plant Biotechnology, College of Agriculture, Vellayani
	Senior Research Fellow	3 years	
	UG	16 years	National College
PROFESSIONAL RESPONSIBILITIES HELD			
Head of the Department Botany and Biotechnology Council Secretary Convenor NAAC criteria 3 Convenor Remedial Coaching Cell Convenor Research Cell Member IQAC Member Admission Committee			

Member Purchase Committee

Member, Syllabus revision Committee 2018

Appointed as question paper setter in BSc Botany by the Controller of Examinations, Mar Ivanios College (Autonomous) during 2016,2017 and 2018.

PROGRAMS ORGANISED

1. International Seminar on Lifestyle diseases on 18.02.2020
Resource persons – 1. Dr. Surya Ramachandran, Scientist, Rajiv Gandhi Centre for Biotechnology.
2. Dr. Manu.K.Aryan, Scientist, Cancer and Stem Cell Biology Programme, DUKE-NUS Medical School, Singapore.
2. Organized a National Webinar in “Career Opportunities in Biotechnology” on 11/08/2021;
Resource Person – Biju Dharmapalan, CSIR-NISCAR, New Delhi.
3. Organized an international webinar in “When iPSCs meet CRISPR”, What is in for Diabetes Research, on 20/08/2022; Resource Person – Dr Anup K Nair, Staff Scientist, National Institute of Health, USA.

SUBJECTS TAUGHT

Plant Anatomy

Environmental Studies

Mycology, Lichenology

Bryology

Methodology, Cell Biology, Plant Breeding, plant Taxonomy, Economic Botany, Ethnobotany

RESEARCH PUBLICATIONS / JOURNAL

1. Comparison of chlorophyll content, water loss, and anatomical features of leaves of the normal, *in vitro* cultured and hardened Dendrobium hybrid plants. 2000. J.Orchid Soc. India. 14(1-2): 41-46.
2. Induced pollen sterility in *Indigofera tinctoria* (L.) 2001-2002. J. of Palynology 37-38: 55-65.
3. Effect of growth regulators on the development and multiplication of protocorm like bodies in Dendrobium cv. Sonia. 2004. J.Orchid Soc. India. 18(1-2): 21-23.
4. Development of protocorm like bodies and shoots in Dendrobium cv. Sonia following gamma irradiation. 2006. J. of Tropical Agriculture 44 (1-2): 86-87.
5. Micropropagation of orchids. 2006. J. of Ornamental Horticulture 9 (1): 1-11.

SEMINARS/ / CONFERENCES

1. Seedling abnormalities induced by physical and chemical mutagens in *Indigofera tinctoria* (L.) (Proceedings of National Seminar on Plant Reproductive Biology and Mutation Breeding held on 9-11 July 2003: 12-14.)
2. Diethyl sulphate- (C₂H₅)₂SO₄ induced mitotic aberrations in *Withania somnifera* (L.)Dunal. Proceedings of National Seminar on Plant Reproductive Biology and Mutation Breeding held on 9-11 July 2003: 19-22.)

- (3) Effect of growth regulators on the *in vitro* propagation of *Gladiolus grandiflorus* (L.) cv. Vinksglory. 2004. Proceedings of National Symposium in Recent Trends and Future Strategies in Ornamental Horticulture. December 1-4: 99.
- (4) *In vitro* mutagenesis in Dendrobium orchids. 2005. Abstracts of the Prithvi Global Eco Meet February 19-28: 109.
- (5) Additive effects of gamma rays in Dendrobium cv. Sonia. 2007. Abstracts of the Bharatiya Vigyan Sammelan, Bhopal. 23-25 November: 110-111.

Conferences attended

Attended 25 National Seminars and One International Seminar.

List of articles in books

(1) Direct organogenesis in *Plumbago rosea* Linn. 2007. Recent Trends in Horticultural Biotechnology .Eds. Raghunath Keshavachandran *et al.*, pp.287-289.

(2) In vitro shoot regeneration of *Ipomoea mauritiana* Linn. 2007. Recent Trends in Horticultural Biotechnology .Eds. Raghunath Keshavachandran *et al.*, pp.291-293.

POPULAR ARTICLE

(1) *Ocimum sanctum* – The healing herb. 2006. Doctors Digest (3): 33-35.

