

NIRMALA COLLEGE, MUVATTUPUZHA, KERALA
Faculty Academic Profile

<p>Photo</p> 	<p>Name: Sindhu Rachel Joy Designation and Department: Assistant Professor, Botany Date of Joining: 01/12/2010 Contact info: Manappatu (H)Vallichira P.O. Pala. 686 574 Phone: 9061772082 Email (Give institutional mail and personal if required): sindhurachell@gmail.com sindhu@nirmalacollege.ac.in</p>
	<p>Teaching Experience in years: 09</p>
	<p>Academic Credentials – From Degree to the highest academic qualification NET in Life science Masters in Botany (2006-2008) St. Thomas College, Pala Bachelors in Botany (2003-2006) Deva Matha College, Kuravilangad</p>
<p>Scopus ID or Any Other Research ID: Google Scholar Profile Link URL https://scholar.google.com/citations?hl=en&view_op=new_profile Any other Research Profile URL</p>	<p>Areas of Interest</p> <ol style="list-style-type: none"> a. Teaching: Plant Physiology, Microtechnique b. Research: Green synthesis of nano particles, stress physiology
<p>Subjects Taught: Plant Diversity, Mycology, Plant Physiology, Embryology, Biotechnology</p>	
<p>Institutional Responsibilities: Staff Council Secretary, Head, Dept. of Botany, Member planning Board, Campus Ecological Committee and Discipline committee.</p>	
<p>Membership in Subject Related Professional Associations: Member, Kerala Botanical Society</p>	

Publication

- **Journals**

Volume Editor – Special Issue on Environmental Impact Assessment, Vol. 4 of the biannual Journal Newman & Society - Jan- June 2013.

Paper presentation

- Presented a paper on ‘Identification of the food contaminant and analysis of its salt tolerance’ in the UGC sponsored National seminar on ‘Food Safety in India- Current Issues and Career Prospects’ organized Department of Biotechnology St. Peter’s College, Kolenchery on 8-9 October, 2015.
- Presented a paper on “Comparative study on the green synthesis of silver nanoparticles and analysis of their antibacterial activity and phytotoxicity” in the UGC sponsored National seminar on Bioprospecting - A Quest for Natural Solutions organized by Dept. of Botany, CMS College Kottayam & School of Bioscience on 05/12/2017 to 06/12/2017

Participation in External Workshops/ Seminars/ Conferences

- National Seminar on Ecotechnological Perspectives for Sustainable Development jointly organized by School of Biosciences M G University, KSCSTE, Kerala Academy of Sciences & Kerala Biodiversity Board on 27 & 28 July 2017.
- Fourth International Conference on Nanomedicine and Tissue Engineering (ICNT 2016) organized by International & Inter University Centre for Nanoscience and Nanotechnology and School of Chemical Science MG University on 12-14 August 2016.
- UGC sponsored National seminar on ‘Food Safety in India- Current Issues and Career Prospects’ organized Department of Biotechnology St. Peter’s College, Kolenchery on 8-9th October, 2015.
- UGC Sponsored National Seminar on “Beneficial Fungi with Special Reference to Mushroom Cultivation, Mycorrhiza and Fungal Bio-Control Agents”, organized by Department of Botany Nirmala College, Muvattupuzha on 4 & 5 December 2014.
- NAAC Sponsored National Seminar on “Emerging Trends in Quality Education: The Road Ahead”, organized by IQAC, Deva Matha College, Kuravilangad on 26 & 27 June 2014.
- International Seminar on “Cell & Molecular Biology”, organized by Department of Botany Nirmala College, Muvattupuzha on 16 & 17 December, 2011.
- National Conference on “Bioprospecting of Plant Genetic Resources of Western Ghats”, organized by the Post Graduate & Research Department of Botany, St. Thomas College, Pala on 22 & 23 November, 2011.
- One Day Orientation Programme on “The Role of Teacher as Mentor and Motivator” conducted by Deva Matha College, Kuravilangad on 19 February, 2011.
- National Seminar on “Ecology & Spirituality: Divergent Perspectives”, Organized by the Inter- Religious Study Forum, Deva Matha College, Kuravilangad, on 19 August 2010.

Curriculum Revision Workshops Attended

- Participated in the two day CBCSS BSc. Botany Curriculum Review Workshop held at the School of Environmental Sciences, M. G. University, Kottayam on 21 & 22 July 2011.
- Participated in the CBCSS BSc. Botany Curriculum Review Workshop, held at C.M.S. College, Kottayam on April 2017.

Orientation / Refresher Programme Attended

- UGC sponsored orientation programme (IT oriented), conducted by UGC- HRDC, University of Kerala, Thiruvananthapuram, dated 22/04/2015 to 19/05/2015.
- RUSA sponsored Refresher course in Life Sciences conducted by UGC- HRDC, University of Kerala, Thiruvananthapuram from 08/11/2017 to 28/11/2017

Academic Programmes Organized

- Coordinator Seminar on Apiculture on 19/02/2020
- Coordinator of Power Stream - Orientation Programme on Life Skill Development by JijoChittadi on 08/11/2019
- Associated with Sasthrapadham Science Enrichment Residential Camp held at Newman College on 20/01/2019 to 21/01/2019.
- Associated with Talent Hunt – Sastrajalakam organized by State Institute of Education Technology held at Newman College on 31/11/2018 to 02/12/2018
- Coordinator of the World Environment Day Celebrations – 2017 at Newman College supported by Kerala State Council for Science Technology and Environment.
- Coordinator of workshop on Flower Arrangement organized by Department of Botany on 22/12/2016
- Coordinator of Gateway to Future - Career Orientation Programme for Botany students organized by Department of Botany on 13/08/2015.
- Coordinator of the UGC sponsored National Seminar on Environmental Impact Assessment Organized by Department of Botany, Newman College, Thodupuzha on 27 and 28 November 2014.
- Coordinator of KSCSTE supported Seminar on ‘Environment Hazards of Plastic: Search for Alternatives on 22/03/2012.
- Coordinator of Dr. George Joseph Endowment Quiz and Elocution competition for school students in 2011.

Membership in Board of Question Paper Setters

- External evaluator for BSc. Botany examinations Nov 2016 in CMS College, Kottayam.
- External Chief Examiner for evaluation of answer scripts for UG Sem 1 Examinations in M. A. College (Autonomous) Kothamangalam
- Question paper setter Kerala University BSc. Botany examinations 2012