


## FACULTY PROFILE

PERSONAL PARTICULARS			
<b>Name</b>	Dr. NISHA V R		
<b>Department</b>	BIOCHEMISTRY & IMB		
<b>Designation</b>	ASSISTANT PROFESSOR		
<b>Organization</b>	NATIONAL COLLEGE, MANACADU, TRIVANDRUM		
<b>Date of Join</b>	11/11/2021		
<b>Core Discipline</b>	BIOCHEMISTRY		
<b>Specialization</b>	BIOCHEMISTRY		
<b>Areas of Interest</b>	Metabolism, Immunology, Cell biology, Molecular Biology, rDNA technology, Food science, Enzymology and Genetics		
<b>Address</b>	Ushus, Eezhakodu, Pallickal P O, Kilimanoor, Trivandrum (dist), Pin: 695 604, Kerala. India		
<b>Phone Number</b>	9656350861	<b>Email id</b>	nishavr@ncas.edu.in
PROFESSIONAL QUALIFICATIONS			
Qualification	Specialization	Institution	
PhD	BIOTECHNOLOGY	Biotechnology Division, National Institute for Interdisciplinary science and technology (NIIST), CSIR, India	
MSc	BIOCHEMISTRY	School of Biosciences, Mahatma Gandhi University, Kottayam, Kerala, India	
BSc	BIOTECHNOLOGY	Govt. College Kariavattom, Trivandrum, India	
HISTORY OF EMPLOYMENT			
	Level	Years of Service	Institution
	U.G	4 M	Govt. College, Kariavattom, Kerala
		1 Y	Govt. Arts College, Trivandrum, Kerala
		5 M	Govt. College, Kariavattom, Kerala
		1Y 9 M	AJ College, Thonnakkal, Kerala
		2 Y	S.N. College for Women, Kollam, Kerala
		1Y	Kerala Agricultural University, Thrissur, Kerala

	P.G	1Y 9 M	AJ College, Thonnakkal, Kerala
		1Y	Kerala Agricultural University, Thrissur, Kerala
	Any Other		

### SUBJECTS TAUGHT

Metabolism, Immunology, rDNA technology, Advanced techniques, Endocrinology, Environmental studies, Enzymology, Physiology, Plant Biotechnology and Genetic engineering, Food science, Cell biology, Pharmacology and toxicology.

### RESEARCH PUBLICATIONS / JOURNAL

1. **Nisha V. Ramadas**, Raveendran Sindhu, Parameswaran Binod and Ashok Pandey. Development of a novel solid-state fermentation strategy for the production of poly-3-hydroxybutyrate using polyurethane foams by *Bacillus sphaericus* NII 0838 Annals of Microbiology Vol 63, (2012) PP 1-10.
2. **Nisha V Ramadas** and Ashok Pandey, A statistical approach for optimization of polyhydroxybutyrate production by *Bacillus sphaericus* NCIM 5149 under submerged fermentation using central composite design, Applied Biochemistry and Biotechnology Vol 162, (2010) pp. 996–1007.
3. **Nisha V Ramadas**, Sudheer Kumar Singh, Carlos Ricardo Soccol and Ashok Pandey Polyhydroxybutyrate production using agro-industrial residue as substrate by *Bacillus sphaericus* NCIM 5149, Brazilian Archives of Biology and Technology vol 52 (2009) pp. 17-23.
4. Lima L F, Habu S, Gern J C, Nascimento B M, Parada J L, Noseda M D, Goncalves A G, **Nisha V R**, Pandey A, Soccol V T, Soccol C R, Production and characterization of the exopolysaccharides produced by *Agaricus brasiliensis* in submerged fermentation, Applied Biochemistry and Biotechnology vol 151 (2008) pp.283–294.
5. A John, H K Varma, T V Kumari, **V R Nisha** and D Narayanan, Cytocompatibility studies of a novel bioactive glass coated porous hydroxyapatite bioceramic for use as a bone substitute, Key Engineering Materials Vol 284 (2005) pp. 317-320.

### RESEARCH PUBLICATIONS / CONFERENCES

1. **Nisha V Ramadas** and Ashok Pandey Effect of agitation and aeration on the production for polyhydroxybutyrate in submerged fermentation. International conference on Emerging Trends in Biotechnology, Organized by Banaras Hindu University, Indian Institute of Vegetable Research, Varanasi December 4- 6, Banaras Hindu University, Varanasi, India (2009).

2. **Nisha V Ramadas** and Ashok Pandey Statical optimization of polyhydroxybutyrate by *Bacillus sphaericus* NCIM 5149 under submerged fermentation using central composite design. International Conference on New Horizons in Biotechnology (NHBT-2008), Organized by Department of Microbiology, UCS in association with University College of Technology, Osmania University, Hyderabad, November 6-8 Osmania University, Hyderabad, India (2008).

3. **Nisha V Ramadas** and Ashok Pandey, Effect of nutrient sources on enhanced production of polyhydroxybutyrate, International Conference on New Horizons in Biotechnology (NHBT), Organized by The Biotech Research Society (BRSI) and National Institute for Interdisciplinary Science and Technology, CSIR, November 26-29 Trivandrum, India (2007).

#### WORKSHOP/ SEMINARS/FDPs ATTENDED

Participated on the residential workshop for the preparation of syllabus of FYUGP at Dept of Biochemistry, Kariavattom organized by Kerala University on March 19 – 23, 2024.

Participated in the open day held at SCTIMST, Poojappura, Trivandrum.

National online seminar on Cancer Awareness & Associated Research Elements (CAARE-2024) organized by Department of Biotechnology, Govt Institute of Science, Chh. Samhajnagar, in collaboration with Department of Environmental Science, School of Earth Sciences, Central University of Rajasthan on February 7, 2024.

Training on Advanced Lab Training in FSSM at Environment Monitoring Laboratory, AAETI, Nimli, Rajasthan.

National symposium and Workshop on DNA at School of Biosciences on 2nd February, 2003, Organized by Biosciences forum, School of Biosciences, Mahatma Gandhi University, Kottayam.

Seminar on Applied Aspects of Plant Biotechnology on 5th December, 2013, Organized by Department of Botany and Biotechnology, Government Arts College, Thiruvananthapuram



