

**Dr. Hareshkumar R. Keharia****Professor (Microbiology)**

**Address for correspondence:** Room 201, Post Graduate Department of Biosciences, Sardar Patel University, Satellite Campus, Vadtal road, Bakrol -388 315, Anand, Gujarat

**Phone:** +91-9924136347

**E-mail:** [haresh970@gmail.com](mailto:haresh970@gmail.com); [hr\\_keharia@spuvvn.edu](mailto:hr_keharia@spuvvn.edu)

**Google scholar ID :** KStMHO4AAAAJ

**Vidwan-ID :** 169776

**Scopus Author ID:** 6506576608

**Academic Qualifications**

- B. Sc. in Microbiology (1993), V.P. Science College, Sardar Patel University, Vallabh Vidyanagar.
- M.Sc. in Microbiology (1995), M. S. University, Vadodara
- Ph.D. in Microbiology (2003), Sardar Patel University, Vallabh Vidyanagar
- S\* Online Bioinformatics course conducted by S\* Life Science Informatics Alliance.
- Certificate course in SPSS of 60 hrs duration at Dept. of Statistics, SPU, Vallabh Vidyanagar

**Professional Experience**

- Lecturer in Microbiology at V. P. Science College, Vallabh from 28<sup>th</sup> Nov 1995 to 11<sup>th</sup> Dec 2003.
- Lecturer at Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar from 12<sup>th</sup> Dec 2003 to 27<sup>th</sup> November 2004.
- Reader at Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar from 28<sup>th</sup> November 2004 to 27<sup>th</sup> November 2007.
- Associate Professor in Microbiology at Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar from 28<sup>th</sup> November 2007 to 27<sup>th</sup> November 2011.
- Professor (CAS) in Microbiology at Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar from 28<sup>th</sup> November 2011 till date.

**Teaching**

Molecular Biology; Bioinstrumentation; Cell Biology; Microbial Genetics; Recombinant DNA Technology; Food and Dairy Microbiology.

**Academic Distinctions/Awards/Visits**

1. Qualified Joint CSIR-UGC NET **JRF** and Lecturership examination conducted in Dec 1994 and awarded CSIR JRF in 1995.
2. Awarded UGC-Teacher fellowship from August 2000 to March 2002.
3. **Summer Research Fellow** under supervision of Dr. K. N. Ganesh (Director IISER, Pune) during May-July 2007, under fellowship programme jointly sponsored by IASc (Bangalore), INSA (New Delhi) and NASI (Allahabad).
4. **Visited Prof. Balaram's laboratory** in IISc Bangalore as a visiting faculty during Feb 2013 to Aug 2013.

## Memberships of professional bodies

1. Life Member of Association of Microbiologists of India.
2. Life Member of BRSI
3. Life Member of Microbiologists Society, India

## Research Interests

**Microbial Ecology and Bioremediation:** Microbial degradation of textile dyes and microbial reduction of chromium—in particular role of enzymes and redox mediators in bioremediation; Impact of dyes on microbial diversity and biogeochemical cycles; Microbial remediation of hexamine containing wastewaters.

**Plant Microbe Interactions:** Endophytes, Epiphytes and Rhizospheric flora, their role in plant physiology and their bioprospecting.

**Antimicrobial metabolites and biocontrol:** Identification and characterization of novel antifungal peptides of different microbial isolates and development of their applications as biocontrol agents; Development of Probiotics for poultry and Aquaculture.

**Value addition to agrowastes:** Developed applications for utilization of Jatropha seed press cake for production of commercially important enzymes such as lipase and proteases, detoxification of Jatropha seed press cake and its use as agriculture input, Microbial degradation of poultry waste and its application as agriculture input.

**Nanotechnology:** Synthesis and characterization of silica and magnetite nanoparticles and their use as carriers for immobilization of lipase for application in repeated synthesis of food esters. Synthesis of uniform size silver nanoparticles using Jatropha extracts and their characterization was done.

## PhD students

**Guided: 06**

**Currently working for Ph.D.: 01**

## Publications: 42

[https://scholar.google.com/scholar?hl=en&as\\_sdt=0%2C5&q=Dr.+Hareshkumar+Keharia&og](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Dr.+Hareshkumar+Keharia&og)

## Projects: 07

## Consultancy/Services offered

- Identification of microbial cultures using Biolog culture Identification system Microlog 3 workstation.
- Antibacterial and antifungal assays of synthetic compounds or formulations.
- Industrial projects on Screening and characterization of direct fed microbials; bioremediation and microbial diversity.