



## **Prof. (Dr.) Jisha M.S.**

Coordinator NIPST

Professor & Director,

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### **ACADEMIC PROFILE**

**Professor Microbiology 2013** onwards, School of Biosciences, Mahatma Gandhi University, Kottayam, Kerala, India – 686 560

**Associate Professor** in Microbiology, 2010 onwards, School of Biosciences, Mahatma Gandhi University, Kottayam, Kerala, India – 686 560

**Reader** in Microbiology, 2007 onwards, School of Biosciences, Mahatma Gandhi University, Kottayam, Kerala, India – 686 560

**Lecturer** in Microbiology, 2003 onwards, School of Biosciences, Mahatma Gandhi University, Kottayam, Kerala, India – 686 560

**Lecturer** in Microbiology in the Government College of Engineering, Thiruvananthapuram (11/8/2000 to 16/12/2003).

**Ph. D** in Microbiology (1997) from Indian Agricultural Research Institute, (IARI) New Delhi, India.

**M.Sc.** in Microbiology (1993) University of Agricultural Science, Dharwad, Karnataka

**B. Sc. (Agri.)** (1990) Kerala Agricultural University, Thrissur, Kerala, India

### **PRIZES AND SCHOLARSHIPS**

1. M. Sc. Microbiology 1<sup>st</sup> rank (1993)
2. Recipient of ICAR Junior Research fellowship (1991-1993).
3. Recipient of UAS, Dharwad merit gold medal for M. Sc. in Microbiology(1993)
4. IARI Senior Research fellowship (1993-1997)

### **ACHIEVEMENT**

Received“ **Distinguished Woman in Agricultural Sciences**” Award of Venus International Foundation (4<sup>th</sup> Venus International Women Awards, 2019).

### **Experience**

Teaching : 17 years

Research : 17 years

**Research Area**

- Microbial synthesis of nanoparticles
- Bioprospecting of endophytic microorganisms for bioactive compounds
- Exploration of plant growth promotion and biocontrol mechanisms
- Biodegradation of xenobiotics

**Research**

No. of ongoing Ph. D. students	7
No. of PhDs awarded	16
No. of M. Phil. projects completed	18
No. of M.Sc. projects completed	60

**Publications**

Journals	106
Presentation in seminar / conferences	82
Book chapters	15
Invited Lectures	8
No. of seminars/conferences organized	11

**External funded Research projects undertaken (as PI):**

Sl. No.	Title	Sponsor	Budget (INR)	Tenure	Role (PI/ co-PI)
1.	Bioremediation of synthetic detergents	KSCSTE File No. 216/SRSLs/2004/	10,45,000	2006-09	PI

		CSTE Dated 04/01/2006			
2.	Molecular characterization of phosphate solubilizing bacteria isolated from rhizosphere bacteria	UGC File No. 32-574/2006(SR) Dated 07/03/2007	8,41,300	2007-10	PI
3.	Molecular Basis of Sodium Dodecyl Sulphate (SDS) Bioremediation & Bioreactor Designing funded	KSCSTE Council Order No. 072/SRS/2011/CS TE Dated 31/05/2011	13,65,000	2011-14	PI
4	Characterization of endophytic diazotrophic bacteria from rice ( <i>Oryza sativa</i> ) and assessment of their potential biocontrol of rice sheath blight disease	UGC File No. 41-1169/2012 (SR) Dated 26/07/2012	13,93,300	2012-15	PI
5	Bioremediation of Chlorpyrifos by autochthonous bacterial consortia	KSCSTE Revised Council Order No. 971/2017/KSCST E Dated 13/12/2017	24,52,800	2016-19	PI