**Reethu Narayanan**

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**Field of Interest**

* Molecular biology
* Tools and Techniques in Biology
* Food Science
* Immunology
* Genomics/Proteomics

**Teaching Experience**

Guest Lecturer in Department of Biotechnology in Sree Narayana College, Kollam, Kerala from 22nd Nov, 2021 to 31st March 2022.

**Skills**

* Good understanding of the underlying principles of the subject and its relevancy to other domains
* Knowledge of various techniques and approaches applied in research project
* Ability to demonstrate and combine the teaching and research activities
* Designed and supervised academic project.
* Independent handling of laboratory instruments.
* Working knowledge of MS Office (word, excel, PowerPoint)

**Academic Qualification**

* PhD in Microbiology from Gandhi Institute of Technology and Management in 2020
* M.Phil in Microbiology from Gandhi Institute of Technology and Management in 2013
* MSc in Microbiology from Andhra University in 2010 with grade 8.1
* BSc Microbiology/Biotechnology/Biochemsitry from Andhra University in 2008 with aggregate 76%

**Research Publication**

* **Reethu Narayanan**, G Krishna Sumanth, Rajani Chowdary and Ch Pavana Jyothi. Invitro study of potential probiotic *Pediococcus pentosaceus* isolated from idli batter and biomass production using whey. International journal of food and nutritional sciences, 2017. (UGC Approved Journal)
* Cherukuri Pavana jyothi, **Reethu Narayanan** and Rajani Chowdary. Production and preliminary characterization of bacteriocin from *Enterococcus faecium* against *Listeria Monocytogenes*. Asian Journal of Microbiology Biotechnology and Environmental sciences. 2019, *21*, 1033–1040. (UGC Approved Journal)
* **Reethu Narayanan**, Naveen Reddy K, Pavana Jyothi Ch. Evaluation of probiotic potential of stress tolerant *Saccharomyces cerevisiae* and development of economical viable media for maximum growth - Journal of Food Processing and Technology- 2012. 3:178. (Peer reviewed journal).
* Cherukuri Pavana jyothi, **Reethu Narayanan**. Characterization and biomass production of stress tolerant probiotics, LAMBERT Academic. (Book chapter).
* Rajani Chowdary A, Cherukuri Pavana Jyothi, **Reethu Narayanan** and Santosh Kumar Sanivada. Isolation and characterization of high tolerant yeast for co-utilization of lucose and xylose for ethanol and xylitol production (Funded Work) International journal of Pharm and Bio Sciences.2017, 8(3):7-29.

**Conferences**

* **Paper presentation** - Reethu Narayanan, Ch.Pavana Jyothi, Production and purification of bacteriocin used as natural and safe food preservative, GITAM University, Indian chemical society, 27th December, 2016.
* Presented a poster in the national conference on” Sustainable Food Security and Safety” held at GITAM University. Title of poster “Isolation, Screening and Characterization of Stress Tolerant *Saccharomyces cerevisiae* for Probiotic Application”.
* Ch.Pavana Jyothi Reethu Narayanan, Evaluation of evaluation of probiotic characteristics of yeast and bacterial strains for development of aquatic feed” International conference on Recent Advances in Aquaculture 2016, Andhra University, December 16&17,2016.
* Reethu Narayanan, Ch.Pavana Jyothi. Rajani Chowdary, Production and applications of bacteriocin for aquaculture. International conference on Recent Advances in Aquaculture 2016, Andhra University, December 16&17,2016.
* Reethu Narayanan, Ch.Pavana Jyothi Effect of carbon and nitrogen sources for the production of bacteriocin using isolated *Enterococcus faecium* BL7*,* International conference on emerging biotechnologies, Kakatiya University, Warangal, January 28-30, 2016.

**Personal Information**

Date of Birth : 16th July, 1986

Sex : Female

Marital Status : Married

Language Proficiency : English, Malayalam, Hindi and Telugu

**References**

**Dr Ch.Pavana Jyothi**

Associate Professor

Department of Microbiology and FST

GITAM Insitute of Science

GITAM (Deemed to be University)

Visakhapatnam Andhra Pradesh – 530045.