

Curriculum vitae



Dr Pavithra N

Post-doctoral fellow, TransDisciplinary University, Bangalore.

Email: pavithra.narendran@tdu.edu.in

Education

PhD	Biological Sciences, 2015, Poornaprajna Institute of Scientific Research, Manipal University, Karnataka, India
MSc	Biotechnology, 2008, PES degree college, Bangalore University, India
BSc	Biotechnology 2006, Sri Bhagawan Mahaveer Jain College, Bangalore University, India

Research/Teaching/Postdoctoral Experience 7 years

October 2016-present	Post-doctoral fellow , TransDisciplinary University, Bangalore. Working in the area of genomics
Sep 2015-August 2016	Post doctoral fellow , Division of Nutrition, St John Research institute, Bangalore Worked in the area of lipid research
Dec 2010- Jan 2015	Junior Research fellow , Biological Sciences division, Poornaprajna Institute of scientific Research, Bangalore, Karnataka, India <ul style="list-style-type: none">- Studies on antidiabetic compounds from endophytes.- Identification of endophytes by molecular methods.- Characterization of active compounds by spectroscopic methods.
March 2009-November 2009	Research assistant , Regional occupational health center (Southern), Indian council of medical research (ICMR), Bangalore, India. <ul style="list-style-type: none">-A study to evaluate the relationship between Immunoglobulin.-E and pro- inflammatory cytokines and health hazards in workers involved in waste disposal.-Biochemical investigations of blood and urine analysis of workers exposed to occupational health hazards
July 2010-November 2010	Lecturer , MES degree college, Bangalore

Research Interests

Genomics-functional annotation, pathway prediction, gene expression, genetic diversity, markers discovery, Endophytes, lipids, drug discovery

Achievements

- ❖ Committee member to organize and anchor National Symposium on Future of Functional Genomics (TransDisciplinary Genomics – I) conducted on October 13-14, 2017 at TransDisciplinary University, Bangalore (<http://tdu.edu.in/tdu-functional-genomics/>)
- ❖ **Best Oral Presentation Award** received at National conference on Emerging trends in Bioprocessing & Simulation (Sponsored by TEQIP II) conducted on 12th -13th Sept, 2013 organized by Dept of Biotechnology, PESIT, Bangalore, India.
- ❖ Submitted 33 fungal DNA sequences to NCBI, USA.

Best Five Publications

1. **N. Pavithra.**, Priyanka S. Bannikoppa., Sheila Uthappa., Anura V. Kurpad and Indu Mani. (2017) Plasma Fatty Acid Composition and Estimated Desaturase Activities Reflect Dietary Patterns in Subjects with Metabolic Syndrome , *Indian journal of Clinical Biochemistry*.
2. Rokkam Shankar Nagashree MSc, N. K. Manjunath, M. Indu, M. Ramesh, V. Venugopal, P. Sreedhar, **N. Pavithra** & Hongasandra R. Nagendra (2017) Effect of a Diet Enriched with Fresh Coconut Saturated Fats on Plasma Lipids and Erythrocyte Fatty Acid Composition in Normal Adults, *Journal of the American College of Nutrition* 36(5) 330-334..
3. **Pavithra, N.**, Sathish, L., Suneel Kumar, A., Venkatarathanamma, V., Pushpalatha, H., Bhanuprakash Reddy, G., Ananda, K. (2014): *In-vitro* Studies on α -Amylase, α -Glucosidase and Aldose Reductase Inhibitors found in Endophytic Fungi Isolated from *Ocimum sanctum*, *Current Enzyme Inhibition* 10 (2) 129-136.
4. **Pavithra, N.**, Sathish, L., Nagasai, B., Venkatarathanamma, V., Pushpalatha, H., Bhanuprakash Reddy, G., Ananda, K. (2014) Evaluation of α -Amylase, α -Glucosidase and Aldose Reductase inhibitors in ethyl acetate extracts of endophytic fungi isolated from anti-diabetic medicinal plants. *International Journal of Pharmaceutical Sciences and Research* 5 (12) 5334-5341
5. **Pavithra, N.**, Sathish, L., Ananda, K. (2012) Antimicrobial and Enzyme Activity of Endophytic Fungi Isolated from Tulsi. *Journal of Pharmaceutical and Biomedical Sciences*. 16 (12):1-6.