

Bobby Paul, PhD

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**Educational Qualifications**

BSc in Microbiology from Kannur University, Kannur, 2003
MSc in Bioinformatics from Mahatma Gandhi University, Kottayam, 2005
Ph.D from Department of Biosciences, Mangalore University, Mangalore, 2013

Professional Experiences

- A) From 01-04-2014 to Till Date: Assistant Professor, Manipal School of Life Sciences, MAHE, Manipal, Karnataka.
- B) From 16-08-2011 to 31-03-2014: Lecturer, School of Life Sciences, MAHE.
- C) From 04-06-2007 to 30-09-2010: Senior Research Fellow, Central Plantation Crops Research Institute, Kasaragod, Kerala.
- D) From 25-10-2006 to 24-04-2007: Bioinformatics Trainee, Indian Institute of Spices Research, Calicut, Kerala.

Publications

National: 4
International: 12
Conferences Proceedings: 3
Google Scholar: <https://scholar.google.co.in/citations?user=jQ3sBFAAAAAJ&hl=en>

Sequences submitted

In GenBank: 51 gene sequences
In dbEST: 114 expressed sequences
In Genome database: 10 whole genomes sequences (four *Staphylococcus aureus*, one *Burkholderia pseudomallei* and five *Streptomyces*)

Current Research activities

- Genome assembly and annotations
- Development of tools/pipeline for big data analysis
- Database development
- Genome wide analysis for drug resistance mechanism in bacteria

Selected Publications

1. Bobby Paul, K Kavia Raj, TS Murali and K Satyamoorthy. 2020. Species-specific genomic sequences for classification of bacteria, Computers in Biology and Medicine, 123: 103874.
2. Bobby Paul, Gunjan Dixit, TS Murali and K Satyamoorthy. 2019. Genome Based Taxonomic Classification. Genome, 62(2): 45-52. doi.org/10.1139/gen-2018-0072.
3. Vohra M, Sharma AR, Bobby Paul, Bhat MK, Satyamoorthy K, Rai PS. 2018. In silico characterization of functional single nucleotide polymorphisms of folate pathway genes. Annals of Human Genetics, 82(4):186-199.
4. Bhat MK, Gadekar VP, Jain A, Bobby Paul, Rai PS, Satyamoorthy K. 2017. 1-CMDb: A Curated Database of Genomic Variations of the One-Carbon Metabolism Pathway. Public Health Genomics, 20(2):136-141. DOI: 10.1159/000475805.
5. Franco CMM, Araujo R, Adetutu E, Tobe SS, Mallya S, Bobby Paul, Satyamoorthy K. 2016. Complete genome sequences of the endophytic *Streptomyces* strains EN16, EN23, and EN27, isolated from wheat plants. Genome Announcements 4(6):e01342-16. doi:10.1128/genomeA.01342-16.
6. Murali T.S. Bobby Paul, Parikh H., Singh R.P., Kavitha S., Bhat M.K. and Satyamoorthy K. 2014. Genome Sequences of Four Clinical *Staphylococcus aureus* Strains with Diverse Drug Resistance Profiles Isolated from Diabetic Foot Ulcers. Genome Announcements 2(2):e00204-14.

(Signature)

Place: Manipal

Date: 28 February 2022