

Dr. Steffi Avarave's Profile



Steffi Avarave M.Sc., Ph.D

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Date of Joining KITS: 30.07.2022

Academic Background

Degree	University	Year
Doctor of Philosophy: Biotechnology	Karunya Institute of Technology and Sciences	2022
Master of Science: Microbiology	Karunya Institute of Technology and Sciences	2015
Bachelor of Science: Microbiology	Bharathiar University- Sree Narayana Guru	2013

Research Interests

- Microbiology
- DNA Barcoding
- Molecular Biology

Most recent publications

- **Steffi Avarave** and Jibu Thomas. (2021). Biodiversity of South Indian tea clones with detection of plant-based adulterants in tea dust using DNA barcoding. *Natural Product Research*. 1:1-6. IF: 2.86 (Taylor and Francis)
- **Steffi Avarave**, Thomas J, Radha V, Altaff K. (2021). Synergistic protective effect of *Camellia sinensis* leaf buds and *Camellia sinensis* flowers against cisplatin-induced nephrotoxicity in rats and characterization of its bioactive compounds. *Natural Product Research*. 29:1-5. IF: 2.86 (Taylor and Francis)
- **Steffi Avarave** and Jibu Thomas. (2022). A mini prep DNA verifiable method from denatured samples for DNA barcoding and sequencing applications. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 92(2), 329-340. (Springer Nature)
- National Center for Biotechnology Information Nucleotide submission – 210
- The Barcode of Life Data System database DNA barcode submission – 40

Book Chapters

- **Steffi Avarave** and Jibu Thomas. 2018. Plant genomic DNA extraction using CTAB- a modified method. In: *DNA to Phylogeny- A practical guide*, Sri Sakthi Promotional Litho Process, Coimbatore. ISBN: 978-81-92330-68-6 pg. 6-10
- **Steffi Avarave** and Jibu Thomas. 2017. “A critical review on adulterants in tea and its identification” In: *Sequestrating Biological Technology*. Sri Sakthi Promotional Litho Process, Coimbatore. ISBN: 978-81-92330-67-9 pg. 1-6

Conference Presented

International Conferences – 2 nos

National Conferences – 2 nos

