

Date: 22-8-2023

Statement by Applicant

Core Research Area: Dr. Gitanjali is a researcher heading the Department of Quality Assurance, MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik, Maharashtra, India. Her research contributes, Human well-being (SDG-3, Target 3.4). She works on plant seeds for Prebiotics, Probiotics, Pectin, Bioactive Peptides, Natural Excipients etc. Work on Microbiome regulations through Food, for management of autoimmune Inflammatory disorders. She also deals with Agricultural waste (SDG-12, Target 12.2, 12.4, 12.5) as a part of CSR activity.

Applicant declares that said Research Work for Award has not received any award till

date: "In- vitro bio-relevant media and time simulation probiotic proliferation methodology to determine prebiotic potentials of flaxseed powder."

<https://doi.org/10.1016/j.bcdf.2022.100335>

https://drive.google.com/file/d/1tvGYjwMAoiSfW9OOu671_uOchM96raW/view?usp=sharing

<https://docs.google.com/document/d/1vTFH1ShWGnEZm742iGVMthvfR1j8kJ2j/edit?usp=sharing&ouid=106962687213151518134&rtpof=true&sd=true>

•Research work highlights the impact of various Physiological factors on the performance of marketed Probiotics after consumption. The research findings justify the importance of synbiotics and post-biotic supplements as part of treatment and prescription strategies in gut flora microbial Dysbiosis caused by antibiotics rather than probiotic supplements alone.

Acknowledgment & CRediT authorship contribution statement

Dr. Gitanjali Deokar is involved in Conceptualization, Methodology, Study design, Validation, Formal analysis, Investigation, Resources, Data curation, writing – original draft, Writing – review & editing, Visualization, Supervision, Project administration, and Funding acquisition. **Pooja Shinde (M.Pharm Student under guide ship of Deokar G.S):** Validation, Formal analysis, Investigation, Data curation. **Sanjay Kshirsagar (Principal MET IOP, BKC):** Formal analysis, Resources, Supervision, Project administration, Funding acquisition.

Applicant Dr. Gitanjali Deokar acknowledges the contributions made by a student Ms. Pooja Shinde working under her on the project conceptualized by Dr. Gitanjali Deokar herself and acknowledges the moral support extended by principal Dr. Sanjay Kshirsagar during the project.

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