

ODUTAYO Oluwatofunmi Esther (nee OBASEKI)

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Nationality: Nigerian

State of Origin: Ondo

Marital Status: Married

EDUCATIONAL HISTORY

Covenant University, Ota, Ogun State	2016 - 2021
Babcock University, Ilishan-Remo, Ogun State	2012 - 2014
Federal University of Technology, Akure, Ondo State	2005 – 2010

Statement of personal research focus

To be part of a team in an intellectually stimulating work environment where my quota can be contributed, and professional competence achieved. Having research experiences in Biotechnology and Molecular Biology, anti-diabetic, anti-inflammatory, fermentation and probiotic studies, for future research, my aim is to be part of a nutrition and biotechnology research group where diverse non-dairy sources can be screened to obtain novel and better probiotics than existing ones. Probiotics from non-dairy sources are expected to be tolerated by both lactose tolerant and intolerant people. Having satisfied the tolerance criteria, it is anticipated that novel probiotics that can be used for the treatment of ailments such as diabetes, inflammatory diseases, cancer etc. will be derived from future studies embarked on.

Institutional academic development plan

To examine the institutional mission and strategic plans that help in decision making, and set goals that are specific, measurable, achievable, ratable and timed. Putting in place a master-plan that will foster collaboration with external research groups and attract grants for smooth running of research.

Publications

O E Odutayo, B E Adegboye, E A Omonigbehin, O O Ogunlana and I S Afolabi (2021). Characterization of potential probiotics isolated from fermented under-utilized *Chrysophyllum albidum* Linn kernels using microbiological, biochemical and molecular techniques. *Journal of Physics: Conference Series*, 2070, 012036.

Odutayo, O. E., Adegboye, B. E., Omonigbehin, E. A., Olawole, T. D., Ogunlana, O. O., & Afolabi, I. S. (2021). Structural transformation and creativity induced by biological agents during fermentation of edible nuts from *Terminalia catappa*. *Molecules*, 26(19), 5874.

Odutayo, O. E., Omonigbehin, E. A., Olawole, T. D., Ogunlana, O. O., & Afolabi, I. S. (2020). Fermentation enhanced biotransformation of compounds in the kernel of *Chrysophyllum albidum*. *Molecules*, 25(24), 6021.

Lemo, A. O., **Odutayo, E. O.**, Ametefe, G. D., & Farinu, A.O. (2019). A review of literature on isolation of bacteria α - amylase. *International research journal of engineering and technology (irjet)*, 6(1), 1333-1342.

Obaseki, O. E., Adesegun, O. I., Anyasor, G. N., & Abebawo, O. O. (2016). Evaluation of the anti-inflammatory properties of the hexane extract of *Hydrocotyle bonariensis* Comm. Ex Lam. Leaves. *African Journal of Biotechnology*, 15(49): 2759-2771.