

Fehintoluwa J. Femi-Olabisi (Ph.D., MSc., BSc. Hons)

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PERSONAL SUMMARY

A proactive and committed Academic and researcher with effective team working, communication, and IT skills. In addition to experience in phytomedicine, nutrition, reproductive studies, cytological studies, immunohistochemistry and molecular biology research, I have been involved in lecturing, supervising and mentoring students from various social and cultural backgrounds in a university, and also exhibiting an excellent and exemplary leadership.

RESEARCH INTERESTS

I have been involved in series of research within the field of Reproductive Biochemistry and I also look forward to being proficient in areas of Phytomedicine, Toxicology, Immunology and Molecular Biology associated with the Reproductive research.

My specific interests include:

- Insulin receptors as drug targets in the treatment of polycystic ovarian syndrome
- Glycoimmunology associated with reproduction
- Drug discovery from natural products; Phytomedicine
- Placental malaria
- Diet-based treatment for Metabolic disorders
- Diet-based Aphrodisiacs
- Placental malaria
- Discovery of drug target site/ mechanism of action drugs in cancer associated with reproductive organs
- Discovery of male contraceptives of plant sources

EDUCATION AND QUALIFICATIONS

2018: Doctor of Philosophy (Ph.D) in Biochemistry – University of Ilorin, Nigeria.

2013: Master of Science (MSc.) in Biochemistry – University of Ilorin, Nigeria.

2010: Bachelor of Science (BSc. Hons.) in Biochemistry – University of Ilorin, Nigeria.

2002: Senior Secondary Certificate (SSCE)– Government Day Secondary School, Oke-aluko, Ilorin, Nigeria

SKILLS AND COMPETENCIES

I have adequate skills that make me proficient in both academic and work environment. These include:

- **Communication skills:** Good communication skill gained through my experience as a lecturer, research student and participant at various workshops and seminars.
- **Job related skills:** Efficient Good laboratory management skills which includes technical maintenance of lab apparatus, proper and efficient management of lab reagents and animal handling skill gained through my experience as a research officer/assistant/student and industrial attaché. Proficient in writing academic papers using English language
- Good and adequate skills to carry out independent Biomedical/Life science research and in a group.
- **Computer skill:** Proficient in Window Operating Systems, Microsoft Office (Word, Excel, Power Point and Access), Internet web-based ability, Programming Techniques, Digital Literacy Skills, and excellent use of Statistical Package for Social Science Students (SPSS), Graphpad and R in data analysis.
- **Teaching skills:** Impactful lecturing and mentoring skills gained through overseeing undergraduate students' projects and mentoring of graduate students. I also teach undergraduate biochemistry courses and give private tutorials to M.Sc students of my PhD supervisor till present.
- **Administrative Skills:** Impressive and innovative leadership style, Excellent coordination of the day to day activities of staff and students and course Advising
- **Other skills:** Reading and singing skills

CURRENT POSITION

June, 2019- Till Date: Lecturer I at Biochemistry Unit of the Department of Biological Sciences, Mountain Top University, KM 12 Lagos-Ibadan Expressway, Prayercity, Ibafo, Nigeria.

Roles:

- Teaching undergraduate and postgraduate biochemistry courses
- Undergraduate and postgraduate research supervisions
- Conducting and grading undergraduate examinations
- Development of research ideas.

- Instructing students in carrying out various biochemical and toxicological assays

October, 2022- Till Date: Lecturer I at Biochemistry Unit of the Department of Biological Sciences, Mountain Top University, KM 12 Lagos-Ibadan Expressway, Prayercity, Ibafo, Nigeria.

OTHER ROLES WITHIN THE UNIVERSITY (CURRENT AND PREVIOUS)

- Coordinator, Biochemistry Programme
- Postgraduate Coordinator for Department of Biological Sciences
- Chairperson, committee on Grants and Scholarship sourcing
- Chairperson, committee on Central Research Laboratory monitoring and maintainance
- Member, Business Committee of Senate
- Member, committee on Sustainable Development Goals
- Member, CBAS committee on curriculum development
- Staff adviser, Nigerian Association of Biochemistry Students, MTU Chapter
- Member, committee on Central Bank of Nigeria research grants' proposal

OTHER EXPERIENCE

Nov. 2010 – Oct. 2011: Chemistry Teacher (Government Girl's College, Talata – Mafara, Zamfara, Nigeria)

Roles:

- Prepare and deliver lectures to secondary school students
- Prepare course materials such as syllabi, homework assignments, and handouts.
- Preparation and grading of examinations and supervision of student behaviour.
- Supervise students' laboratory work.
- Participation in the planning of and implementation of their school's policies and regulations for all students.

April, 2015- April, 2017: Assistant Lecturer at Biochemistry Unit of the Department of Biological Sciences, Wesley University, Ondo, Nigeria.

Roles:

- Teaching undergraduate and postgraduate biochemistry courses
- Undergraduate research supervisions
- Conducting and grading undergraduate examinations
- Development of research ideas.
- Instructing students in carrying out various biochemical assays.

June, 2019- September, 2022: Lecturer II at Biochemistry Unit of the Department of Biological Sciences, Mountain Top University, KM 12 Lagos-Ibadan Expressway, Prayercity, Ibafo, Nigeria.

SPECIAL ASSIGNMENTS/COMMUNITY SERVICE:

- Creation of awareness on HIV/AIDS during National Youth Service Corps (NYSC), Zamfara. November 2010 – October 2011.

CONFERENCE, SEMINARS AND WORKSHOPS ATTENDED

- Science Association of Nigeria (SAN) annual conference 2014 held in Ilorin, Nigeria.
- Nigerian Society of Experimental Biology (NISEB) annual conference 2014 held in Ogbomosho, Nigeria.
- Nigerian Society for Biochemistry and Molecular Biology (NSBMB) annual conference 2014 held in Ilorin, Nigeria.
- Nigeria Society for Biochemistry and Molecular Biology (NSBMB) annual conference 2016 held in Ota, Nigeria.

- Society for Medicinal Plants and Economic Development (SOMPED) 2nd International conference 2017 held in Johannesburg, South Africa.
- 4th international conference of Society for Medicinal Plants and Economic Development (SOMPED) held at National Open University Nigeria, Jabi, Abuja, Nigeria from 26th August to 29th August, 2019.
- American Society for Biochemistry and Molecular Biology (ASBMB) annual conference 2020. (Virtual)
- Nigerian Society of Experimental Biology (NISEB) annual conference 2021 held at University of Ilorin, Ilorin, Nigeria, from 11th to 13th August, 2021.
- 1st Conference of the College of Basic and Applied Sciences held at Mountain Top University, Prayer City, Ogun State, Nigeria, from 28th to 29th October, 2021.
- TECHNOLOGY ENHANCED PEDAGOGY: Deploying Google Classroom for Pedagogy (Virtual)
- Gender and the Digital Age: Challenges of Data Security, Gender Violence and Work-Life Balance
- Online Content Delivery (Virtual)
- Using Google Forms to Design Test Questions (Virtual)
- Maximizing the lockdown for academic & career success
- Implementing online learning solutions for Nigeria universities (Virtual)
- The Role of Mountain Top University in the Emerging New World (2019), Senate Chamber, MTU
- Capacity building retreat for Faculty and Staff (2019). MTU
- The effects of prenatal perfluoroalkyl substances on vaccine effectiveness in children (Virtual)
- Study of cardiovascular risk in pregnancy (Virtual)
- Impact of placental malaria on immune development of the child (Virtual)
- Basic and advanced statistics for mouse experiments (Virtual)
- Curious 2022 – Future Insight™ Conference – United by Science for a better tomorrow, held at Darmstadt congress center, Darmstadt, Frankfurt-Rhine, Germany (Virtual)
- 1st Oku Ampofo Memorial Scientific Conference held at AH Hotel and Conference, East Legon, Accra, Ghana, from 1st to 3rd November, 2022
- 50th annual conference of Australian and New Zealand Society for Immunology held at Melbourne Convention Centre, Melbourne, Victoria, Australia from 29th November to 2nd December 2022.
- 18th annual congress of the British Toxicology Society, held at Regis park hotel, Birmingham, United Kingdom from 17th to 19th April, 2023.
- Emerging Research Leaders Meeting of the British Endocrinology Society (BES) held at Hilton Metropole Hotel, NEC, Birmingham, United Kingdom on the 25th of April, 2023

MEMBERSHIP OF LEARNED PROFESSIONAL SOCIETIES

- Member, Nigerian Society for Experimental Biology (NISEB)
- Member, The Nigerian Society of Biochemistry and Molecular Biology (NSBMB)
- Member, Society for Medicinal Plants and Economic Development (SOMPED)
- Member, Organization for Women in Science for the Developing World (OWSD)
- Member, American Society for Biochemistry and Molecular Biology (ASBMB)
- Member, Australian and New Zealand Society for Immunology (ASI)
- Member, Nigerian Society for Immunology (NSI)
- Member, British Endocrinology Society (BES)
- Member, British Toxicology Society (BTS)

AWARDS, SCHOLARSHIPS, FELLOWSHIPS AND GRANTS

- The World Academy of Science (TWAS). Visiting Scientist: Centre for Glycomics and Immunology, Department of Obstetrics and Prenatal Medicine, Universitätsklinikum Hamburg-Eppendorf (UKE), Hamburg, Germany. January 1st -30th March, 2022.
- TWAS-DFG Alumni - Award - conference “Curious 2022” in Germany
- Carer's Award at the 50th annual conf. of Australian and New Zealand Society for Immunology, Dec 2nd, 2022
- Principal Investigator, DKOMFAMTU Research grants

PUBLICATIONS

ABSTRACTS

- Faokunla, Opeyemi, **Femi-olabisi**, **Fehintoluwa**, Olorunyolemi, Imoleayo and Badejo, Omotolani (2020). Anticlastogenic and Antidyslipidemic Activities of *Jatropha Gossypifolia* Leaf Extract on Female Rats Exposed to Cypermethrin. *The FASEB Journal*. 34; 1_{supplement} 00522. DO 10.1096/fasebj.2020.34.s1.00522

PUBLISHED PAPERS

- ¹Yakubu, M. T., ¹**Olawepo, F. J.**, ²Olayaki, A. L. and ²Ibrahim.O.O.K. (2015) Mifepristone (RU486) Induces Polycystic Ovarian Syndrome in Female Wistar Rats with Features analogous to Humans. *Journal of Endocrinology & Reproduction*. 19 (1): 40 -51

- **Femi-Olabisi Fehintoluwa Joy**^{1*}, Faokunla Opeyemi² and Olorunyolemi Imoleayo Moses² (2019). Effects of *Jatropha gossypifolia* leaf Extract on the Reproductive Cycle of Cypermethrin-treated Female Rats. *The Journal of Phytopharmacology*; 8(5), 253-256. DOI: 10.31254/phyto.2019.8508
- **Femi-olabisi FJ**, Faokunla O, Agboola AO, Olorunyolemi IM (2020). Biochemical and Toxicological Evaluations of Aqueous Extract of *Parquetinanigrescens* (Afzel.) leaves on Mifepristone-induced Polycystic Ovarian Syndrome in Rats, *Journal of Drug Delivery and Therapeutics*. 2020; 10(2-s):94-101 <http://dx.doi.org/10.22270/jddt.v10i2-s.3956>
- Faokunla Opeyemi^a, **Femi-Olabisi Fehintoluwa Joy**^b, Olorunyolemi Imoleayo Moses^c, Omogbehin Samson Adehuga^d, Agboola Anthonia Oluyemi^c, Umar Itopa Sheriff^d and Adelegan Olabode Oluwagbemiga^e (2020). Modulatory Effect of *Jatropha gossypifolia* leaf on the Testicular Lipidomics and Plasma Lipoproteins of Rats Exposed to Cypermethrin. *The Journal of Phytopharmacology*, 2020;9 (3), 188-192
- **Fehintoluwa Joy Femi-Olabisi**^{1*}, Elizabeth Olawumi Oyebojani¹, Benjamin Ayodipupo Babalola², Opeyemi Faokunla³ and Anthonia Oluyemi Agboola⁴ (2021). Comparative Study on the Phytochemical Analysis of *Costus spicatus* (Jacq.) Leaf and Rhizome. *Mountain Top University Journal of Applied Science and Technology*; 1(1): 160-174
- Akamo, A. J., Akamo, N. M., Akinloye, D. I., Eteng, O. E., Moses, C. A., Ugbaja, R. N., Dosumu, O. A., **Femi-Olabisi, F. J.**, Ike, W. E., Ademuyiwa, O., Ojo, D. A., ^{d,e}Talabi, O. A., Erinle, C. A. and Balogun, E. A. (2021). Enhanced Oxidative Stress and Paraoxonase Depletion in Malaria Concomitantly Occurring with Typhoid Infection in Humans. *BioSciences Journal FUDM*, Vol. 1 [1] (Accepted paper)
- **Fehintoluwa Joy Femi-Olabisi**¹, Ahmed Adebayo Ishola², Opeyemi Faokunla³, Anthonia Oluyemi Agboola⁴, Benjamin Ayodipupo Babalola⁵ (2021). Evaluation of the inhibitory potentials of selected compounds from *Costus spicatus* (Jacq.) rhizome towards enzymes associated with insulin resistance in polycystic ovarian syndrome: an in silico study. *Journal of Genetic Engineering and Biotechnology*. 19:176
- **Femi-Olabisi Fehintoluwa Joy**^{*1}, Ugorji Zion Kelechukwu², Akamo James³, Ishola Ahmed Adebayo⁴, Faokunla Opeyemi⁵, Agboola Anthonia Oluyemi⁶, Oladoye Odunayo⁷ and Alabi Tolulope Susan⁸ (2022). Selected Toxicity Study on Ethanolic Extract of *Ocimum gratissimum* (Linn.) Leaves in Letrozole-Induced Polycystic Ovarian Syndrome in Wistar Rats. *The Journal of Phytopharmacology*. 11(3):142-146
- ^{*}Omowumi T. Kayode¹, Nkechinyere J. Ohanaka² **Fehintoluwa J. Femi-Olabisi**¹ Anthonia O. Agboola³, Elizabeth O. Oyebojani¹ (2022). *Parquetina nigrescens* species: A Concise Review of Phytochemistry and Pharmacology. *Tropical Journal of Natural products Research*, 6(4) 454-461
- **Femi-Olabisi Fehintoluwa Joy**^{*1}, Komolafe Marvellous Olaoluwa², Oladoye Odunayo³ and Alabi Tolulope Susan⁴ (2022). Safety Evaluation of Ethanolic Extract of *Parquetina nigrescens* Leaves (Afzel.) on Selected Tissues in Letrozole-induced Polycystic Ovarian Syndrome Rats. *Mountain Top University Journal of Applied Science and Technology*; 2(2)7-14
- **JF Femi-Olabisi**, AA Ishola, FO Olujimi (2023). Effect of *Parquetina nigrescens* (Afzel.) Leaves on Letrozole-Induced PCOS in Rats: a Molecular Insight into Its Phytoconstituents. *Applied Biochemistry and Biotechnology*, 1-31

MANUSCRIPTS UNDER REVIEW

- ^{*1}**Femi-Olabisi, F. J.**, ¹Yakubu, M. T., ²Olayaki, A. L. and ²Ibrahim.O.O.K. (2021). Effects of aqueous extract of *Parquetinanigrescens* (Afzel.) leaves on the biochemical and clinical parameters of mifepristone (RU486)-induced polycystic ovarian syndrome rat model. *Journal of Ethnopharmacology* (Under Review)
- **Femi-Olabisi, F. J.** and Yakubu, M. T. (2021). Effect of *Yaji maza*-based diet on Sexual Behaviour of Male Rats. *Mountain Top University Journal of Applied Science and Technology* (Under Review)

SELECTED UNDERGRADUATE/POSTGRADUATE SUPERVISION

- **Ishola, I. A.** The Effect of *Parquetinanigrescens* (Afel) Leaves on the Estrous Cycle of mifepristone-induced Polycystic Ovarian Female Rats (November 2016)
- **Akindeji, G. J.** The Effect of Aqueous Extract of *Parquetinanigrescens* (Afel) Leaves on Selected Reproductive Hormones and Insulin in Mifepristone-induced Polycystic Ovarian Syndrome in Female Rats (November 2016)
- **Dauda, T. T.** The Effect of Aqueous Extract of *Parquetinanigrescens* (Afel) Leaves on Fertility in Mifepristone-induced Polycystic Ovarian Syndrome in Female Rats (November 2016)
- **Oginni, F. A.** The Toxicological effect of Aqueous Extract of *Parquetinanigrescens* (Afel) Leaves Mifepristone-induced Polycystic Ovarian Syndrome in Female Rats (November 2016)

- **Olorunninwo, F. D.** Toxicological Evaluation of Aqueous Extract of *Costusspicatus (Jacq)* Leaves and Fruits in Normal Wistar Rats (November 2020)
 - **Pinmo, F. A.** Toxicological Evaluation of Aqueous Extract of *Costusspicatus (Jacq)* Leaves and Fruits on Selected Reproductive Hormones in Diabetic Wistar Rats (November 2020)
 - **Ajagbe, O.** The Aphrodisiac Potential of Aqueous Extract of *Costusspicatus (Jacq)* Leaves and Fruits in Normal Female Rats (November 2020)
 - **Akomolafe, A** The Effect of Aqueous Extract of *Costusspicatus (Jacq)* Leaves and Fruits on the Sexual Behaviour of Diabetic Male Wstar Rats (November 2020)
 - **Ariwodo Jennifer,** The effect of ethanolic extract of *Vernonia amygdalina* Leaves on Selected Reproductive Hormones and Insulin in Letrozole-induced Polycystic Ovarian Syndrome in Rats(**September 2021**)
 - **Ibeawchi Innocent,** Toxicologicalevaluation of ethanolic extract of *Vernonia amygdalina* Leaves on Letrozole-induced Polycystic Ovarian Syndrome in Rats (**September 2021**)
 - **Olujimi Folakemi,** The effect of ethanolic extract of *Parquetinanigrescens (Afel)* Leaves on Selected Reproductive Hormones and Insulin in Letrozole-induced Polycystic Ovarian Syndrome in Rats (**September 2021**)
 - **Komolafe Marvellous,** Toxicological evaluation of ethanolic extract of *Parquetinanigrescens (Afel)* Leaves on Letrozole-induced Polycystic Ovarian Syndrome in Rats (**September 2021**)
 - **Akene Biebelemonye,**The effect of ethanolic extract of *Ocimumgratissimum* Leaves on Selected Reproductive Hormones and Insulin in Letrozole-induced Polycystic Ovarian Syndrome in Rats (**September 2021**)
 - **Ugorji Zion,** Toxicological evaluation of ethanolic extract of *Ocimumgratissimum* Leaves on Letrozole-induced Polycystic Ovarian Syndrome in Rats (**September 2021**)
 - **Arinze Emmanuel,**Comparative study on the effect of ethanolic extract of *Ocimumgratissimum, Parquetinanigrescens*and *Vernonia amygdalina* leaves on alpha-amylase gene of Letrozole-induced Polycystic Ovarian Syndrome in Rats (**September 2021**)
- CO-SUPERVISION**
- **Osomade, Chidinma Venessa,** The proximate determination and UV- spectrophotometry analysis of *Costusspicatus* leaves (Nov, 2020)
 - **Olatunde, Oluwatomisin L.,** The phytochemical screening of *Costusspicatus (Jacq)* leaves (Nov, 2020)

REFERENCE

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