**ROTIMI, DAMILARE** **EMMANUEL**

**SECTION A: PERSONAL BIO-DATA**

Date of Birth: 23rd April

Gender: Male

Town: Oro-Ago

Place of Birth: Ilorin

Local Government Area Ifelodun

State of origin: Kwara

Nationality: Nigerian

Marital Status: Married

Religion: Christianity

Contact Address: Room 141,

First College Building,

Landmark University, Kwara State

Telephone: (+234) 8131039983

Email: rotimi.emmanuel@lmu.edu.ng; rotimidamilare1@gmail.com

Present Position: Assistant Lecturer

**SECTION B: EDUCATIONAL HISTORY**

**Institution Attended with Dates and Academic Qualification Obtained**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S/N | Degree Level | Type | From | To | Institution |
| 1. | PhD | PhD (Biochemistry) | 2021 |  | Landmark University, Omu-Aran |
| 2. | Masters | M.Sc. (Biochemistry) | 2018 | 2020 | Landmark University, Omu-Aran |
| 3 | Bachelor | B.Sc. (Biochemistry) | 2012 | 2016 | Landmark University, Omu-Aran |

**SECTION C: TEACHING QUALITY AND WORKING EXPERIENCE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S/N | Organization | Position | From | To |
| 1 | Landmark University  (Department of Biochemistry) | Assistant Lecturer | 2021 |  |
| 2. | Landmark University  (Department of Biochemistry) | Graduate Assistant | 2019 | 2021 |

**SECTION D: PUBLICATIONS**

1. Olaolu T, Ajibola D, **Rotimi D**, Akpor O. Effect of Co-Administration of Agnus castus Aqueous Leaf Extract and Cadmium Chloride on Testicular Function Indices. Jundishapur Journal of Natural Pharmaceutical Products. 2021 Feb 28;16(1). 10.5812/jjnpp.99042
2. Kayode O, Kayode A, Mgbojikwe I, **Rotimi D**. Effect of Ketogenic Diet on Monosodium Glutamate-Induced Uterine Fibroids in Female Wistar Rats. Journal of Babol University of Medical Sciences. 2021 Mar 10;23(1):1-8. jbums.org/article-1-9224-en.html
3. **Rotimi ED**, Lawrence AB, Oluyomi AS. COVID 19: Resveratrol as a Potential Supplement to Mitigate the Cardiotoxicity Associated with Chloroquine and Hydroxychloroquine Treatment. Biointerface Research in Applied Chemistry. 2021;11(4):11172-11186. https://doi.org/10.33263/BRIAC114.1117211186
4. Adeyemi OS, Ayebakuro AD, Awakan OJ, Atolani O, Adejumo O, Ibrahim A, **Rotimi D**, Batiha GE, Ojediran JO. Comparative evaluation of the antioxidant capacity of ferulic acid and synthesized propionyl ferulate. Journal of Applied Pharmaceutical Science. 2020 May;10(05):097-103. 10.7324/JAPS.2020.10513
5. Adeyemi OS, Arowolo AT, Hetta HF, Al-Rejaie S, **Rotimi D,** Batiha GE. Apoferritin and Apoferritin-Capped Metal Nanoparticles Inhibit Arginine Kinase of Trypanosoma brucei. Molecules. 2020 Jan;25(15):3432. doi.org/10.3390/molecules25153432
6. Akanji MA, Adeyanju AA, **Rotimi D**, Adeyemi OS. Nitric Oxide Balance in Health and Diseases: Implications for New Treatment Strategies. The Open Biochemistry Journal. 2020 Jul 31;14(1). 10.2174/1874091X02014010025
7. Akanji MA, Fatinukun HD, **Rotimi DE**, Afolabi BL, Adeyemi OS. The Two Sides of Dietary Antioxidants in Cancer Therapy. InAntioxidants 2020 Dec 16. IntechOpen. 10.5772/intechopen.94988
8. Kayode TO, **Rotimi ED,** Afolayan AO, Kayode AA. Ketogenic diet: A nutritional remedy for some metabolic disorders. Journal of Education, Health and Sport. 2020 Aug 10;10(8):180-8. DOI: http://dx.doi.org/10.12775/JEHS.2020.10.08.021
9. Kayode OT, **Rotimi DE**, Olaolu TD, Adeyemi OS. Ketogenic diet improves and restores redox status and biochemical indices in monosodium glutamate-induced rat testicular toxicity. Biomedicine & Pharmacotherapy. 2020 Jul 1;127:110227. doi.org/10.1016/j.biopha.2020.110227.
10. Kayode OT, **Rotimi DE,** Kayode AA, Olaolu TD, Adeyemi OS. Monosodium glutamate (MSG)-induced male reproductive dysfunction: a mini review. Toxics. 2020 Mar;8(1):7. doi.org/10.3390/toxics8010007excl
11. Adeyemi OS, Shittu EO, Akpor OB, **Rotimi D,** Batiha GE. Silver nanoparticles restrict microbial growth by promoting oxidative stress and DNA damage. EXCLI journal. 2020;19:492. 10.17179/excli2020-1244
12. Adeyemi OS, Ebugosi C, Akpor OB, Hetta HF, Al-Rashed S, Otohinoyi DA, **Rotimi D**, Owolabi A, Evbuomwan IO, Batiha GE. Quercetin Caused Redox Homeostasis Imbalance and Activated the Kynurenine Pathway (Running Title: Quercetin Caused Oxidative Stress). Biology. 2020 Aug;9(8):219. doi.org/10.3390/biology9080219
13. Adeyemi OS, Eseola AO, Plass W, Atolani O, Sugi T, Han Y, Batiha GE, Kato K, Awakan OJ, Olaolu TD, Nwonuma CO, Alejolowo O, Owolabi A, **Rotimi D** & Kayode OT. Imidazole derivatives as antiparasitic agents and use of molecular modeling to investigate the structure–activity relationship. Parasitology research. 2020 Jun;119(6):1925-41. doi.org/10.1007/s00436-020-06668-6
14. Adeyemi OS, Obeme-Imom JI, Akpor BO, Rotimi D, Batiha GE, Owolabi A. Altered redox status, DNA damage and modulation of L-tryptophan metabolism contribute to antimicrobial action of curcumin. Heliyon. 2020 Mar 1;6(3):e03495. doi.org/10.1016/j.heliyon.2020.e03495
15. Kayode OT, **Rotimi DE**, Afolayan OA, Kayode AAA, Akram M. Testicular Dysfunction Biomarkers in Reproductive Biochemistry Research. EC Gynaecology. 2020;9:50-5.
16. Kayode OT, **Rotimi DE**, Arike AO, Kayode AAA. Exploring The Basics of The Malaria Burden For Eradication Strategies. International Journal of Multidisciplinary Sciences and Advanced Technology. 2020;1(8): 55–61
17. Sulaiman FA, Nafiu MO, Yusuf BO, Muritala HF, Adeyemi SB, Omar SA, Dosumu KA, Adeoti ZJ, Adegbesan OA, Busari BO, Otohinoyi DA. The GC-MS fingerprints of Nicotiana tabacum L. extract and propensity for renal impairment and modulation of serum triglycerides in Wistar rats. J. Pharm. Pharmacogn. Res. 2020;8(3):191-200.
18. Adeyemi OS, Atolani O, Awakan OJ, Olaolu TD, Nwonuma CO, Alejolowo O, Otohinoyi DA, **Rotimi D**, Owolabi A, Batiha GE. Focus: Organelles: In vitro screening to identify anti-Toxoplasma compounds and in silico modeling for bioactivities and toxicity. The Yale journal of biology and medicine. 2019 Sep;92(3):369. PMCID: PMC6747942
19. Akanji MA, **Rotimi D**, Adeyemi OS. Hypoxia-inducible factors as an alternative source of treatment strategy for cancer. Oxidative medicine and cellular longevity. 2019 Aug 14;2019. doi.org/10.1155/2019/8547846
20. Iyiola OA, Sulaiman AF, Sulaiman AA, Anifowoshe AT, Akolade JO, Adisa MJ, Otohinoyi DA, **Rotimi DE**, Batiha GE, Maimako RF, Adeyemi OS. Cypermethrin and chlorpyrifos raises serum urea level and causes abnormal sperm morphology in Wistar rats. Biointerface Research in Applied Chemistry. 2019 Jun 15;9(3):3969-73. 10.33263/briac93.969973
21. Akpor O, Olaolu T, **Rotimi D**. Antibacterial and antioxidant potentials of leave extracts of Helianthus annuus. Potravinarstvo Slovak Journal of Food Sciences. 2019 Dec 18;13(1):1026-33. doi.org/10.5219/1228
22. Olaolu DT, **Rotimi DE**, Olaolu AP. Effect of alcohol infusion of Cissus populnea root on testicular function and serum hormone of male Wistar rats. Asian Pacific Journal of Reproduction. 2018;7(3):117-22. 10.4103/2305-0500.233572
23. Olaolu TD, **Rotimi DE.** Evaluation of the effect of Cissus populnea aqueous root infusion on some testicular function indices and serum hormones of male rats. Nigerian Journal of Biotechnology. 2017;34(1):105-16. 10.4314/njb.v34i1.14

**SECTION E: CONFERENCES AND WORKSHOP ATTENDED**

1. 20th Annual Scientific Conference and General Meeting, Nigerian Society for Experimental Biology (NISEB) held on August, 2020 at University of Ilorin, Ilorin, Kwara State, Nigeria.
2. 2nd Pharma foods congress congress, Covenant Univesity, 2020 held September 8-9, 2020 (Virtual), Covenant Univesity, Ota, Nigeria.
3. Hands-On Training on Drosophila Melanogaster in BioscienceResearch (Bingham-DTRC workshop), Bingham University, Karu, Nasarawa State, Nigeria
4. 18th Annual Scientific Conference and General Meeting, Nigerian Society for Experimental Biology (NISEB) held on 1st to 4th July, 2018 at Landmark University, Omu-Aran, Kwara State, Nigeria.

**SECTION F: THESIS/DISSERTATION/PROJECT**

1. The effect of plantain-based diet on atrazine-induced testicular dysfunction in Wistar rats [Ongoing Ph.D. Thesis]
2. The effect of ketogenic diet on monosodium glutamate-induced testicular dysfunction in Wistar rats [M.Sc. Dissertation]
3. Evaluation of the effect of *Cissus* *populnea* (guill and per.) root infusions on testicular function indices of rats [B.Sc. Project]

**SECTION G: UNDERGRADUATE CO-SUPERVISION**

1. Biochemical determination of the antimicrobial mode of action of curcumin. B.Sc Project, Obeme-Nmom J.I., 2019
2. Biochemical determination of the anti-microbial action of silver nanoparticles. B.Sc Project, Shittu E.O., 2019
3. Comparative evaluation of the antioxidant properties of ferulic propanyl and ferulic acid. B.Sc Project, Ayonote D.A., 2019
4. Biochemical determination of the antimicrobial action of quercetin. B.Sc Project, Ebugosi C.Z., 2019
5. Effect of oral administration of silver nanoparticles (AgNPs) on Interferon gamma and kynurenine pathway in male wistar rats. B.Sc Project, Ofume, D.S., 2020
6. Effects of the oral administration of silver nanoparticles (AgNPs) on interleukin 1β (IL 1β) in male Wistar rats. B .Sc Project, Oluwole, T., 2020.
7. Effects of the oral administration of silver nanoparticles (AgNPs) on interleukin 4 on Male Wistar Rats. B .Sc Project, Oluwalana, D., 2020
8. Effect of oral administration of silver nanoparticles on nuclear factor kappa b and kynurenine pathway in male Wistar rats. B .Sc Project, Ogunleye, T.S., 2020
9. Safety effects of ginger and bitter leafinfusion on rat liver function and redox status of albino rats. B.Sc Project, ADEOGUN, V.O., 2021
10. The effects of *Zingiber officinale* and *Vernonia amygdalina* on plasma lipid profile and redox status in Wistar rats. B.Sc Project, FATINIKUN, H.D., 2021
11. Chemical fingerprints and comparative *in vitro* antioxidant potential of *Zingiber officinale* and *Vernonia amygalina* infusion. B.Sc Project, OLORI, O.O., 2021
12. The safety effects of ginger and bitter leaf on rat serum and redox status. B.Sc Project, IROAGANACHI, A.B., 2021.
13. Effects of *Zingiber officinale* and *Vernonia amygdalina* teainfusion on the brain redox status in Wistar rat. B.Sc Project, BEN-GORU, G. M., 2021.

**SECTION H: MEMBERSHIP OF LEARNED SOCIETIES**

Nigerian Society for Experimental Biology (NISEB) – Member

**SECTION I: PEER RECOGNITION**

Oxidative medicine and cellular longevity

**SECTION J: SCHOLARSHIPS AND AWARDS**

1. Busary winner, Hands-On Training on Drosophila Melanogaster in BioscienceResearch (Bingham-DTRC workshop), Bingham University, Karu, Nasarawa State, Nigeria
2. Best Graduating Student, Biochemistry, Landmark University, Omu-Aran. 2016.
3. Winner, College of Sci. and Engineering Quiz Competition, Landmark University. 2013.

**REFERENCES**

Available on request