



JAMES STEPHEN AMONG

Address Institute of Science, Technology & Management Studies
Or
Department of Biochemistry, Kaduna State University,
Tafawa Balewa Way, P.M.B. 2339, Kaduna, Nigeria

Phone (mobile) +234-80-6742-9272

Email amongstephen@gmail.com; gwatiyap@kasu.edu.ng

DEMOGRAPHIC AND PERSONAL INFORMATION SUMMARY

Current Status

<i>Date</i>	<i>Position</i>	<i>Institution</i>	<i>Discipline/ Tasks</i>
Oct 2023 - Present	Associate Professor	Kaduna State University	Bioinformatics/Clinical & Computational Biochemistry
May 2023 - Present	Director	Institute of Science, Technology & Management Studies. Kaduna State University	

Previous Appointment

<i>Date</i>	<i>Position</i>	<i>Institution</i>	<i>Discipline</i>
2023	Member	Department CCMAS Curriculum Committee	Biochemistry
2022 – Present	Head	Bioinformatics Research Laboratory	Biochemistry
2023	Chairman	Committee on Laboratory Activities	Biochemistry
2022 - To date	Editor in Chief	KASU Journal of Biochemistry and Biotechnology	Biochemistry & Biotechnology
2021 - To date	Chairman	Committee on Bioinformatics Initiative (CBi)	Biochemistry
2020 - 2021	Chairman	Committee Strategic Plan	Biochemistry
Aug 2011 - Mar 2014	HOD	Kaduna State University	Biochemistry
Oct 2011 - Apr 2016	Faculty Exam Officer	Kaduna State University	Science
Jun 2010 - Oct 2010	Level Coordinator	Kaduna State University	Biochemistry
Nov 2007 - Jan 2008	Acting HOD	Kaduna State University	Biochemistry
Oct 2008 - Sep 2011	Lecturer 2	Kaduna State University	Biochemistry
Sep 2005 - Sep 2008	Asst. Lecturer	Kaduna State University	Biochemistry

Education

<i>Year</i>	<i>Qualification</i>	<i>Institution</i>	<i>Discipline</i>
2020	PhD	Perdana University, Malaysia	Bioinformatics
1999 - 2001	Master of Science	Usmanu Danfodiyo University	Biochemistry
1991 - 1998	Bachelor of Science	Usmanu Danfodiyo University	Biochemistry
1987 - 1990	Advance Level Cert (IJMB)	Kaduna State Polytechnic	Life Sciences

Training/Additional Qualification

<i>Date</i>	<i>Institution</i>	<i>Discipline</i>
Feb 2020	Perdana University	Genomics Informatics (NGS Analysis)
Jan - Feb 2019	Perdana University	Molecular mechanics and Docking
Jun - Aug 2018	Perdana University	Structural Bioinformatics and Molecular Modelling
Jun - Aug 2018	Perdana University	R for Practical Data Analysis
Jul - Aug 2017	Perdana University	Essential Topics in Bioinformatics
Jul - Aug 2017	Perdana University	Applied Computing for Bioinformatics
Jul - Aug 2017	Perdana University	Computer Programming
Oct 2017	Perdana University	Introduction to GPU Computing & Container
Nov 2016	Nigerian Communications Commission (NCC)	Advanced Digital Appreciation Programmed for Tertiary Institutions (ADAPTI)

Professional Experience

<i>Year</i>	<i>Position</i>	<i>Institution</i>	<i>Discipline</i>
2024	Member	National Technical Committee on Health Informatics Standard	Standard Organisation of Nigeria (SON)
2023 - Present	Associate Professor	Kaduna State University	Biochemistry/ Bioinformatics
2020 – 2023	Senior Lecturer	Kaduna State University	Biochemistry/ Bioinformatics
2021 - Present	Facilitator/ Project Supervisor (on Part time)	National Open University	Health Sciences
Nov 2018	Teaching Assistant	Universitas YARSI	Bioinformatics
2011 - Present	Lecturer 1	Kaduna State University	Biochemistry
2008 - 2011	Lecturer 2	Kaduna State University	Biochemistry
2005 - 2008	Asst. Lecturer	Kaduna State University	Biochemistry
2012 - 2013	Coordinator GST 203	Kaduna State University	Philosophy of Science.
2005 - 2006	Facilitator	Kaduna State University	Chemistry
1999 - 2000	Co-supervisor	Usmanu Danfodiyo University	Biochemistry
Oct - Dec 1997	Intern	National Veterinary Research Institute (NVIR) Vom	Applied Molecular Biology

- Food Science and Nutrition PGD Biochemistry
- Nutrition and Diseases PGD Biochemistry
- Food Processing and Preservation PGD Biochemistry
- Nutrition and Human Development PGD Biochemistry

Kaduna State University

- Bioinformatics MSC Biotechnology
- ICT and Research Methodology MSC Biochemistry/
Biotech & Nutrition
- Advance Immunology MSC Biochemistry
- Physical Biochemistry of Macromolecule MSC Biochemistry
- Research Techniques in Biochemistry MSC Biochemistry
- Instrumentation and Techniques in Nutrition MSC Nutrition
- Advanced Enzymology and Enzyme Technology MSC Biochemistry/
Biotech & Nutrition
- Seminar: Presentation of Research Proposal MSC Nutrition
- Advanced Membrane Biochemistry MSC Biochemistry
- Seminar: Presentation of Research Proposal MSC Biotechnology

RESEARCH ACTIVITIES

Research Experience

<i>Date</i>	<i>Project</i>	<i>Description</i>	<i>Place</i>
2010 - Present	Under & Postgraduate Research; Interns' projects	Supervision/ Mentoring	Kaduna State University & Perdana University
2020 - Present	CoV Research Task Force on Shareome	Co-Researcher	International Group
2017 - 2020	Mapping and Characterization of Shared sequences Between Viral and Human Proteomes	PhD Research	Perdana University
2014 - 2016	Assessment of Nutritional needs and Health Status of Elderly and Aged Persons in Kaduna State, Nigeria	Co-researcher	Kaduna State University
1999 - 2001	Phytochemical and Toxicological Studies on <i>Catharanthus roseus</i>	MSc Project	Usmanu Danfodiyo University

Publication

Journal/Article

1. **James SA** and Joshua IA. 2024. Charting Peptide Shared Sequences Between 'Diabetes-Viruses' and Human Pancreatic Proteins, Their Structural and Autoimmune Implications. *Bioinform Biol Insights*. Vol 5(18): 11779322241289936. doi: 10.1177/11779322241289936. PMID: 39502449; PMCID: PMC11536397.
2. Joshua IA, Agbana RD, **James SA**, Banda JM, Nmadu AG, Muhammad-Idris ZK, Onoja-Alexander MO, Mathew B. 2023. Advancing public health practice in Nigeria in 21st century using genomics and bioinformatics. *KJBB* Vol 6(2): 11-21
3. James SA and Ikani PE. 2023. A review of the antifungal activities of mint plant extracts against fungal isolates. *Bio-Research* Vol.21 No.2 pp.2031-2057. <https://www.ajol.info/index.php/br/article/view/252963>

4. James SA. 2023. Shared Sequence Similarity and Diversity of Poxvirus Proteomes. *KJBB* Vol 6 (1): 12-21
5. James SA and Bulus ME. 2022. Peptide Sharing Between Human Notch Protein and Viruses and its biochemical implications. *KJBB* Vol 5(1): 20 – 30
6. **James SA**, Ong HS, Hari R, Khan AM. 2021. A systematic bioinformatics approach for large-scale identification and characterization of host-pathogen shared sequences. *BMC Genomic* Vol. 22(Suppl 3): 700; <https://doi.org/10.1186/s12864-021-07657-4>; PMID: [PMC8477458](https://pubmed.ncbi.nlm.nih.gov/348477458/)
7. **James SA**, Yam WK. 2021. Sub-structure-based screening and molecular docking studies of potential enteroviruses inhibitors. *Computational Biology and Chemistry* Vol. 92: 107499, doi: 10.1016/j.compbiolchem.2021.107499
7. **James SA**, Omwirhiren E M, Z. Ladan, N. Alhassan , SN Mohammed. 2018. Spectroscopic characterization of the antidiabetic properties of partially purified ethanolic extract of Hibiscus Cannabinus, Vernonia Amygdalina, Murraya Koenigii and Telfairia Occidentalis. *Journal of Pharmacognosy and Phytochemistry* Vol. 7(2): 1508-1519
8. Auta R, Mohammed IL, **James SA**. 2017. Effect of Stress on lipid profile of selected undergraduates at Kaduna State University (KASU) Nigeria. *KASU Journal of Biochemistry and Biotechnology* Vol 1(1): 20 – 30
9. Omwirhiren EM, Abass AO, **James SA**. 2017. The phytochemical constituents and relative antimicrobial activities against clinical pathogens of different seed extracts of Cola nitida (Vent.), Cola acuminata (Beauvoir) and Garcinia kola (Heckel) grown in South West, Nigeria. *Journal of Pharmacognosy and Phytochemistry* Vol 6(1): 493 – 501
10. Omwirhiren EM, **James SA**, Abass AO. 2016. The Phytochemical Properties and Antimicrobial Potentials of Aqueous and Methanolic seed extract of Cola nitida (Vent.) and Cola acuminata (Beauvoir) grown in South West, Nigeria. *Saudi Journal of Medical and Pharmaceutical Sciences* Vol. 2 (12): 354 – 363; DOI: 10.36348/sjmps.2016.v02i12.006
11. **James SA**, Omwirhiren EM, Joshua IA, Iliyasu S, Endas JM. 2016. In vitro and In vivo Assessment of the Anti-diabetes Potentials of *Murraya koenigii*, *Hibiscus cannabinus*, *Vernonia amygdalina* and *Telfairia occidentalis* Leave Extract. *International Journal of Biochemistry Research & Review* Vol. 15(No.1): 1 – 11; DOI: 10.9734/IJBCRR/2016/30494
12. **James SA**, Auta R, Omwirhiren EM, Joshua IA, Dutse I. 2016. Anti-diabetic Properties and Phytochemical Studies of ethanolic leaf extracts of *Murraya koenigii* and *Telfairia occidentalis* on alloxan-induced diabetic albino rats. *Advances in Life Science and Technology* Vol. 49: 57 – 66
13. **James SA**, Auta R, Omwirhiren EM, N Maxwell. 2016. *In vitro* Inhibitory Studies and Effect of Selected Plant Extracts and Cations on Elastase (EC 3.4.21.11) Activity produced by *Aspergillus niger* and *Aspergillus flavus*. *Journal of Natural Sciences Research* Vol. 6 (No 14): 107 – 114
14. **James SA**, MJ Ladan, Auta R, Audu J, Garba A. 2014. Biochemical Response of Normal Albino Rats to the Addition of Aqueous Leaves Extract Of *Hibiscus Cannabinus* And *Murraya Koenigii* In Rats Drinking Water *Science World Journal* Vol. 9 (No 1): 34 – 38
15. **James SA**, MJ Ladan, Goje DJ. 2013. Antioxidant Potential of *Hibiscus Cannabinus* Methanolic Leaf Extract. *Science World Journal* Vol. 8 (No 1): 8 – 12
16. Auta R; **James SA**, Sofa EM. 2011. Nutritive and Phytochemical Composition of Processed *Solanum incanum* (Bitter Garden Egg). *Science World Journal* Vol. 6 (No. 3): 5-6
17. **James SA**, Auta R, Goje J. 2011. In-vitro Study on Inhibition of Glycosylation of Methanolic Leaf Extract of *Hibiscus cannabinus*. *Science World Journal* Vol. 6 (No. 3): 7-9
18. **James SA**, Bilbis L and Muhammed B.Y. 2007. The Effect of *Catharanthus Roseus* (L). G. Don 1838 Aqueous Leaf Extract on Some Liver Enzymes, Serum Proteins and Vital Organs; *Science World Journal* Vol. 2 No.1: 5-9; DOI: [10.4314/swj.v2i1.51700](https://doi.org/10.4314/swj.v2i1.51700)

19. **James SA**, Bilbis L, Muhammed BY. 2006. Phytochemical Studies and Antibacterial Activity of Aqueous Leaf Extract of *Catharanthus Roseus*. *Standardizer of the Nigerian Academic* Vol. 2 No. 2: 111-119
20. **James SA**, Bilbis L and Muhammed B.Y. 2006. The Effect of *Catharanthus Roseus* Aqueous Leaf Extract on Some Hematological Indices in Rabbits; *Chemclass Journal* Vol. 4, 138-141

Conference Abstract

1. Joshua IA, Nmadu AG1, Muhammad-Idris ZK1, Mathew B, Agbana RD, Onoja-Alexander MO, Banda JM, James SA. Advancing Public Health Practice in Nigeria in 21st Century using Genomics and Bioinformatics. Presented at 39th Annual Scientific Conference of the Association of Public Health Physicians of Nigeria, 30th January to 3rd February, 2023; held in Port Harcourt, Nigeria
2. **Stephen Among James** and Wai Keat Yam. Sub-Structure-Based Screening and Molecular Docking Studies of Potential Enteroviruses Inhibitors, 25-29 November 2020 World Wide Web.
3. **James SA**. Elucidating Shared Sequences between Viral and Human Proteomes. The 2019 International Conference on Biotechnology and Life Sciences (ICBIOLIS) Oct 8-9 2019 Universitas Esa Unggul -Jakarta, Indonesia.
4. **James SA**, Ong HS, Hari R, Khan AM. A systematic bioinformatics approach for large-scale identification and characterization of host-pathogen shared sequences. 18th International Conference on Bioinformatics (InCoB 2019), September 10 - 12, 2019, Jakarta, Indonesia,
5. **James SA**, Ong HS, Hari R, Khan AM. A Large-Scale Identification of Viral-Human Shared Sequences: Biological and Evolutionary Implications. 6th Big data in Economics, Science, and Technology conference (BEST 2018) July 12 - 14, Kallithea, Khalkidhiki, Greece.
6. **James SA**, Bilbis L and Muhammed B.Y. The Effect of *Catharanthus Roseus* Aqueous Leaf Extract on Some Hematological Indices as Determined in Rabbits. Chemical Society of Nigeria Zaria Chapter, Chemclass Conference, June 15, 2006, Zaria, Nigeria
7. **James S.A**, MJ Ladan and Goje DJ. 2010. Antioxidant Potential of *Hibiscus cannabinus* Methanolic Leaf Extract. Nigerian Society of Biochemistry and Molecular Biology (NSBMB) ,November 24 – 27, 2010, Kebbi, Nigeria

Book

1. **James SA**. Phytochemical and Toxicological Studies on *Catharanthus roseus* [MSc Thesis]: Usmanu Danfodiyo University, Nigeria; 2001
2. **James SA**. Comparative Estimation of Lipid profiles in Various Eggs of Domesticated Avian Species [BSc Project]: Usmanu Danfodiyo University, Nigeria; 1998
3. **James SA**, Nok EH, Wayah SB, Waziri PM. Biochemistry Practical Manual [200 Level]. Kaduna State University, Kaduna Nigeria; 2013
4. **James SA**, Practical Biochemistry for Medical Student [200 & 300 Levels]: Kaduna State University, Kaduna Nigeria; 2011

SKILLS

Bioinformatics skills

Biological databases

NCBI, EBI, DDBJ, UniProt, PDB, ViralZone, IEDB, SWISS Model, etc.

Sequence alignment

BLAST, ClustalW2, BioEdit, Ugene, CD-HIT

Structural visualization

Rasmol [Basic], Swiss PDB Viewer, Protein-Ligand Interaction Profiler (PLIP), VMD, AutoDock, Haddock [Basic], NetSurP, DSS

<i>Pathway enrichment analysis</i>	Database for Annotation, Visualization and Integrated Discovery (DAVID), CateGORizer
<i>Network analysis</i>	Cytoscape, String, viruses.string
<i>Immunological analysis</i>	NetCTLpan, IEDB
<i>Functional analysis</i>	ScanProsite, Conserved Domain Database (CDD), Pfam
<i>Genome informatics</i>	NGS Analysis: Genome annotation, Comparative genomics and evolution analysis, Metagenomics, Genomic variation discovery, among others
<u>Coding</u>	
<i>Programming</i>	Python, R
<i>Data warehousing</i>	MySQL [Basic]
<u>Wet lab</u>	
<i>Wet procedure</i>	General Biochemistry protocols, Spectrophotometric analysis, Chromatographic methods (Electrophoresis, Column, ion exchange etc.), Protein (Enzyme) Characterization, PCR [Basic], DNA isolation, among other
<u>Multimedia</u>	
<i>Design</i>	Adobe Illustrator [Basic]
<i>Photo editing/image processing and analysis</i>	Adobe Photoshop [Basic]
<u>Others</u>	
<i>Software</i>	Microsoft Office (Word, Power Point, Excel, Publisher), NetCTLpan, VOSViewer, LigPlot (LigPlus), Protein Plus, MEGA, SmartPLS, CADD, RasWin, Unipro UGENE, etc.
<i>Operating System</i>	Windows, Linux
<i>Spoken Language</i>	English, Gworok, Hausa, Yoruba [Basic]
<i>Written Language</i>	English, Hausa[Basic]

EDUCATIONAL ACTIVITIES

Academic Involvement

<i>Date</i>	<i>Event</i>	<i>Position</i>
2020 - 2021	Departmental Committee on Strategic Plan	Chairman
Dec 2018	2 nd International Symposium on Bioinformatics	Session Chair
2017 - 2018	Student Representative Council (SRC)	Welfare Executive
2011 - 2016	Faculty of Science Standing Committee	Committee Member
2014 - 2016	Faculty of Science Facilities Committee	Committee Member
2010 - 2016	Faculty of Science Representative to Faculty of Arts Board	Committee Member
2014 - 2015	Faculty Accreditation Committee	Committee Member
May 2015	Faculty Investigating Committee	Committee Member

2013- 2014	University Central Committee on Accreditation	Committee Member
2011 - 2014	Biochemistry Department Board of Examiners	Chair
2011 - 2014	Committee of Examination Validation	Committee Member
2007 - 2011	Committee on Inventory of Industries	Committee Member
2005 - 2011	Faculty of Science Seminar and Research Committee	Secretary

Professional Event Organization

<i>Date</i>	<i>Event</i>	<i>Position</i>
Oct 2017	School Data Science Carnival	Committee Member
2006 - 2011	Faculty of Science Seminar Forum	Secretary
Feb 2010	Scientific Research Methodology Workshop	Secretary

Conferences

<i>Date</i>	<i>Event</i>	<i>Position</i>
2024	3rd Annual National Conference of the College of Technical and Vocational Education, Kaduna Polytechnic. ""Leveraging on Artificial Intelligence (AI) and Virtual Reality (VR) to Transform the Teaching and Learning of TVET in Higher Institutions in Nigeria"; 19-20, November, 2024	Keynote Speaker
2024	1 st ISTMS National Multidisciplinary Conference 2024 "Exploring the Future Socio-Economic Advancement, Innovation and Sustainable Solution in Nigeria"; 6 th – 8 th November, 2024	Organizer/ Host
2021	1 st Annual International Science Conference (AISC), Kaduna State University, Kaduna, Nigeria; 17 th – 18 th November, 2021	Chairman, Hotels & Accommodation Sub committee.
2021	1 st Annual Symposium of Biotechnology Society of Nig.; NW Zone, Held at Kaduna State University, Kaduna, 7 th – 9 th July, 2021	Chairperson of Technical Session
2020	The 19th International Conference on Bioinformatics	Participant /Oral presentation
2019	International Conference on Biotechnology and Life Science Jakarta, Indonesia, Oct 9 – 10 2019	Guest Speaker
2019	International Conference on Bioinformatics (InCoB2019), Jakarta, Indonesia, Sep 10 - 12 2019	Participant /Oral presentation
2018	2 nd International Symposium on Bioinformatics (InSyb2018), Serdang, Malaysia, Dec 20 - 21 2018	Participant
2010	Nigerian Society of Biochemistry and Molecular Biology (NSBMB), Kebbi, Nigeria, Nov 24 - 27 2010	Participant/ Oral presentation
2008	Nigerian Society of Biochemistry and Molecular Biology (NSBMB), Sokoto, Nigeria, Nov 23 - 26 2008	Participant/ Oral presentation

2007	Nigerian Society of Biochemistry and Molecular Biology (NSBMB), Owerri, Nigeria, Nov 6 - 9 2007	Participant/ Oral presentation
2006	Chemical Society of Nigeria (ChemClass), Zaria, Nigeria, Jun 15 2006	Participant/ Oral presentation
2006	Federation of African Societies of Biochemistry and Molecular Biology (FASBMB), Abuja, Nigeria; Nov 21 - 24 2006	Participant/ Oral presentation
2006	Nigerian Society of Biochemistry and Molecular Biology (NSBMB), Abuja, Nigeria; Nov 21 - 24 2006	Participant/ Oral presentation

Workshop/ Seminar

<i>Date</i>	<i>Event</i>	<i>Position</i>
2024	KASU Strategic Plan Implementation	Participant
2024	Hands-on Training on Structural Bioinformatics I	Chairman Org. Committee/ Resource Person
2023	Workshop on Developing Strategic plan for Colleges, Faculties and Units, Held in KASU	Participant
2023	5-days Trainings on Essentials in Bioinformatics	Chairman Org. Committee/ Resource Person
2023	5 days Basic Molecular Biology workshop	Chairman Org. Committee/ Resource Person
2023	Hands-On Workshop on Sequence Analysis and Application of Linux in Biological Data Analysis	Chairman Org. Committee/ Resource Person
2023	Bioinformatics Open Day at Kaduna State University, Kaduna.	Committee Chair/ Resource Person
2021	Invigilation and Invigilators: what is expected. A Seminar presented at the Faculty of Science Staff interactions on Examination, Kaduna State University.	Keynote Speaker
2020	DSx Talk (Charting viral-human shareome) May 22 2020, Malaysia	Guest Speaker
2019	Thomas J. August Memorial Symposium, Perdana University, Serdang, Selangor, Malaysia; Jul 31 2019	Participant [Oral presentation]
2019	HADDOCK on information-driven modelling of Biomolecular Complexes, Perdana University, Serdang, Selangor, Malaysia; Jul 24 2019	Participant
2018	Visual Molecular Dynamics (VMD) – Workshop (International Symposium of Bioinformatics 2018), Serdang, Selangor, Malaysia; Dec 21 2018	Teaching Assistance
2018	Structural Bioinformatics: Molecular Mechanics And Docking (Bioinformatics Workshop Fiesta 2018), Universitas YARSI, Jakarta, Indonesia; Nov 5 - 9 2018	Teaching Assistant
2018	Analysis of 16S Metagenome Data Using QIIME Pipeline	Participant

2018	Serdang, Selangor, Malaysia; Feb 27 - Mar 1 2018 FRGS and Cochrane Review Workshop, Serdang, Selangor, Malaysia; Feb 6 2018	Participant
2018	Cancer Genomics and Precision Medicine Serdang, Selangor, Malaysia; Sep 19 - 26 2018	Participant
2017	Application of Next Generation Sequencing and Bioinformatics Resources in Research Area Serdang, Selangor, Malaysia; Jul 17 - 19 2017	Participant
2017	Big Data in Malaria Elimination, Serdang, Selangor, Malaysia; May 23 2017	Participant
2016	Advance Digital Appreciation Programme for Tertiary Institutions, Kaduna Nigeria; Dec 5 - 9 2016	Participant
2012	International Symposium on Capacity Building for Health Management of Older Persons: [National University Commission (NUC) in collaboration with The Dave Omokaro Foundation] , Abuja, Nigeria; May 21 – 22 2012	Participant
2012	Workshop on Molecular Biotechnology and Bioinformatics [International Centre for Stem Cells, Cancer and Biotechnology (ICSCCB)], Pune, India; Aug 27 - 31 2012	Participant
2010	Research Methodology for Lecturers of Nigerian Universities [Education Trust Fund (ETF)], Kaduna, Nigeria; May 10 - 14 2010	Participant
2010	Workshop on Examination Ethics, Kaduna State University, Kaduna, Nigeria; Apr 22 2010	Participant
2010	Scientific Research Methodology Workshop, Kaduna State University, Kaduna, Nigeria; Apr 16 – 17 2010	Secretary
2008	Sensitization Workshop on How to Write Fundable Research Proposal, Kaduna State University, Kaduna, Nigeria; Jun 16 2008	Participant

Student Mentor

Research

<i>Date</i>	<i>Project</i>	<i>Position</i>
On-going	Integration Network Analysis and Prediction Of nsSNPs from Differentially Expressed Lipoprotein in Mice Model of Diabetic Retinopathy	Mentor/Supervisor
On-going	Dietary Neuropathy and Cognitive Impairments: Modelling a Mild Neurodegeneration in-vivo	Mentor/Supervisor
On-going	Isolation, identification and molecular characterization of corona virus's species from bat in Kaduna state	Mentor/Supervisor
On-going	Allergic Studies of Food Condiments and Culinary (Common Spices and Mint Family) and elucidating their molecular pathways	Mentor/Supervisor
On-going	Elucidating Inter-Peptide Sharing and Molecular Interactions of Natural Ligands between Human papillomavirus and Human Cervical and Breast	Mentor/Supervisor

On-going	Proteome: A Bioinformatics Approach for Solving a Cancer Paradox Genomic Determinants of Pathogenicity in Staphylococcus Aureus and Klebsiella Pneumoniae: Computational Prediction of Antibiotic Resistance In B-Lactams, Quinolones, Macrolides, Third-Generation Cephalosporins, Fluoroquinolones, Carbapenems, And Aminoglycosides	Mentor/Supervisor
2022	Associate virus interaction with human notch proteins and its biochemical implications	Mentor/Supervisor
2022	Insilco evaluation of protein identity between Lassa virus and other rodent-borne viruses	Mentor/Supervisor
2022	Evaluation of herbal plant for the management of sickle cell anaemia and their phylogenetic relationship	Mentor/Supervisor
2022	The interaction of bacteria with human ubiquitin c and its associated pathogenesis	Mentor/Supervisor
2022	Cyanobacteria and cyanotoxins, their implications to drinking water and chemical diversity.	Mentor/Supervisor
2022	Aluminum chloride/d-galactose their molecular effect on elastase activity	Mentor/Supervisor
2018	Structural localization and accessibilities of shared sequences : [inters form UPM]	Mentor
2017	Derive Table for Geographical, Timeline of share-ome viruses : [interns from i3L]	Mentor
2017	Creating computational pipeline and database for share-ome : [inters form Indonesia Institute of Life Sci. i3L]	Mentor
2017	Predisposing Factor and tissue response of viruses involved in shared sequences: [inters form Indonesia Institute of Life Sci. i3L]	Mentor
2016	Comparative estimation of sugar content in some grasses found in Kaduna metropolis for biofuel potential	Mentor/Supervisor
2016	Effect of some anti-malaria drugs on plasma protein and hematological indices in normal mice	Mentor/Supervisor
2016	Study on the effect of conventional available antidiabetic drugs on biochemical parameters in Alloxan induced diabetic rats	Mentor/Supervisor
2016	Partial purification and characterization of antidiabetic property of ethanolic extract of <i>Murraya koenigii</i> and <i>Telfairia occidentalis</i>	Mentor/Supervisor
2016	Partial purification and characterization of antidiabetic property of ethanolic extract of <i>Hibiscus cannabinus</i> and <i>Vernonia amygdalina</i>	Mentor/Supervisor
2015	Isolation and characterization of anti-diabetes components from ethanolic leaf extract of <i>Vernonia Amygdalina</i> and <i>Hibiscus Cannabinus</i> and their effects on diabetic induced rats	Mentor/Supervisor
2015	Isolation and characterization of anti-diabetes components from ethanolic leaf extract of <i>Telfairia occidentalis</i> and <i>Murraya koenigii</i> and their effects on alloxan induced diabetic rats	Mentor/Supervisor
2015	Estimation of phytosteroids from various local plant and determination of their effects on rats fed with high cholesterol feeds	Mentor/Supervisor
2015	Isopropanolic and aqueous plant extracts and their precipitating effects on plasma proteins and bacteria cytoskeleton	Mentor/Supervisor

2015	Comparative study on microscopy and rapid diagnostic test as diagnostic methods employed for the detection of clinical malaria	Mentor/Supervisor
2015	Hypoglycemic and antihyperlipidemic effects of aqueous ethanolic and methanolic leaves extracts of <i>Parkia biglobosa</i> on alloxan induced diabetic albino rats	Mentor/Supervisor
2014	In vivo studies on the antidiabetic properties of <i>Hibiscus cannabinus</i> , <i>Telfaria occidentalis</i> , <i>Murraya kornigii</i> and <i>Vernonia amygdalina</i> ethanolic leaves extract on an alloxan induced diabetic albino wister rats	Mentor/Supervisor
2014	In-vivo studies on the trypanocidal activity of the ethanolic leaf of <i>Calotropis procera</i>	Mentor/Supervisor
2014	The effect of antiretroviral drugs on the activity of xanthine oxidase as obtained from mice	Mentor/Supervisor
2014	Comparative studies on the levels of lecithin and stachyose in some indigenous beans	Mentor/Supervisor
2014	Effect of <i>Bryophyllum pinnatum</i> leaf extract on alpha amylase and its amyleorotic effects on diabetes mellitus	Mentor/Supervisor
2014	In vitro inhibitory studies of <i>Hibiscus cannabinus</i> , <i>Murraya kornigii</i> , <i>Telfaria occidentalis</i> , and <i>Vernonia amygdalina</i> leaves on α -amylase	Mentor/Supervisor
2013	Inhibitory studies and effect of plant extract and cation on elastase (EC: 3.4.21.11) activity produced by <i>Aspergillus niger</i> and <i>Aspergillus flavus</i>	Mentor/Supervisor
2013	In vitro inhibitory effect of <i>Vernonia amygdalina</i> , <i>Telfaria occidentalis</i> , <i>Murraya kornigii</i> and <i>Hibiscus cannabinus</i> extract on the activity of α -amylase	Mentor/Supervisor
2013	Comparative studies on proximate composition of some indigenous beans consumed in Kaduna State, Nigeria	Mentor/Supervisor
2013	The homeostasis effect of methanolic leaf extract of <i>Hibiscus cannabinus</i> and <i>Murraya kornigii</i> on albino rats	Mentor/Supervisor
2012	Toxicological effect of <i>Murraya kornigii</i> and <i>Hibiscus cannabinus</i> aqueous extract on blood sample of albino rats	Mentor/Supervisor
2012	Determination of Blood cholesterol level among Kaduna State University students prior to examination period	Mentor/Supervisor
2012	Evaluation of serum calcium, phosphorus, zinc and alkaline phosphatase levels among patients attending hospitals in Kaduna metropolis	Mentor/Supervisor
2012	Determination of blood electrolyte (Sodium, Calcium, Potassium, Carbonate), pH and anion gap level among Kaduna State University students prior to examination period	Mentor/Supervisor
2012	Prevalence of Diabetes Mellitus among different blood group and its correlation with serum zinc, calcium, phosphorus and magnesium	Mentor/Supervisor
2012	In vitro inhibitory effect of <i>Vernonia amygdalina</i> , <i>Telfaria occidentalis</i> , <i>Murraya kornigii</i> and <i>Hibiscus cannabinus</i> extract on the activity of β -amylase	Mentor/Supervisor
2011	Hypoglycemic and Hypolipidemic activity of <i>Murraya kornigii</i> and <i>Hibiscus cannabinus</i> leave extract in Rats	Mentor/Supervisor
2010	<i>In Vitro</i> study of the antioxidant activity and inhibition of glycosylation	Mentor/Supervisor

of methanolic leaf extract of *Hibiscus cannabinus* as determined on animal haemoglobin

Seminar

<i>Date</i>	<i>Title</i>	<i>Position</i>
2016	Predicting structural functions of protein using Bioinformatics	Mentor/Supervisor
2016	Cancer microenvironment: Complexity and relapses during chemotherapy	Mentor/Supervisor
2016	Ruminant biochemistry: An over view of its nutritional metabolism	Mentor/Supervisor
2016	Evaluating adaptive and disease causing genomic elements using genomic data	Mentor/Supervisor
2016	Trend in pharmacokinetics: Bioanalytical method and drug-drug interaction	Mentor/Supervisor
2015	Prospects of natural plant products	Mentor/Supervisor
2015	Synchronization of Biochemical and Bioelectrical techniques: A synergistic approach in clinical nutrition	Mentor/Supervisor
2015	Resolving biochemical hypothetical problems using bioinformatics	Mentor/Supervisor
2015	Locally available food substances that could resolve malnutrition in infants	Mentor/Supervisor
2015	Zinc and selenium biomarkers in HIV/AIDS infection	Mentor/Supervisor
2015	Genetic regulation of ageing	Mentor/Supervisor
2015	Diabetes mellitus: insulin and insulin-like hormones in the regulations of proteins required for carbohydrate metabolism	Mentor/Supervisor
2014	Angiogenesis, its biological significance and prospect	Mentor/Supervisor
2014	Biochemistry, physiology and pathology of nitric oxide	Mentor/Supervisor
2014	Proteins implicated in signal transduction pathways	Mentor/Supervisor
2014	Trends in computational biochemistry	Mentor/Supervisor
2014	Molecular tools in clinical diagnosis: its prospect and shortfalls	Mentor/Supervisor
2012	Associate proteins in apoptosis	Mentor/Supervisor
2012	Nitroreductase in metronidazole drugs resistance	Mentor/Supervisor
2012	Trends in sirtuins	Mentor/Supervisor
2012	Biochemistry of ageing	Mentor/Supervisor
2011	Glycosylation Haemoglobin	Mentor/Supervisor
2011	Current trends in edible vaccines development using transgenic plants	Mentor/Supervisor
2011	Pheromones, its significance and prospects	Mentor/Supervisor
2011	Immobilized enzyme and its industrial application	Mentor/Supervisor
2011	Luciferase mechanisms of action and its application	Mentor/Supervisor
2011	Trends in Bioinformatics: A computational method for structural proteins determination	Mentor/Supervisor
2011	DNA typing and procedures inn criminal investigation	Mentor/Supervisor
2011	Recent advances and development in us of <i>Moringa oleifera</i> in treatment and management of disease	Mentor/Supervisor
2011	Food fortification processes it roles in nutrient supplementation	Mentor/Supervisor

External Examiner

Year	Institution	Course
2020	National Open University of Nigeria	PHS 303: Introduction to clinical Laboratory Techniques
2020	National Open University of Nigeria	NSC 411: Research Methods in Nursing I

Professional Affiliation

Year	Association	Position
2019 - Present	Nigerian Bioinformatics and Genomics Network	Member
2018 - Present	Asia- Pacific Bioinformatics Network (APBioNet)	Member
2006- Present	Nigerian Society of Biochemistry and Molecular Biology (NSBMB)	Member

AWARDS

2013 Fellow of the Strategic Institute for Natural Resources and Human Development (*FRHD*)

REFERENCES

Prof. Mohammad Asif Khan

University of Doha for Science and Technology

Doha, Qatar

E-mail: khan.mdasif@gmail.com

Prof. Abel Simon Agbaji

Professor of Biochemistry

Department of Biochemistry, Faculty of Science,

Kaduna State University

P.M.B. 2339, Tafawa Balewa Way

Kaduna, Nigeria

E-mail: abel.agbaji@gmail.com

Brief About Me

Dr. Stephen A. James, an Associate Professor of Bioinformatics/Clinical Biochemistry and Director of ISTMS, specializes in Clinical Biochemistry and applying bioinformatics to immune responses, allergens, drug design, and disease biomarkers. With over 15 years of academic experience, he is a leading researcher and educator in these multidisciplinary fields.