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## **Ms. Abisola Zainab Kehinde**

Correspondence language: English

Country of Citizenship: Nigeria

## **Contact Information**

The primary information is denoted by (\*)

### **Address**

Home (\*)

1439 Thunderbird Blvd  
Vancouver British Columbia V6T 1Z4  
Canada

### **Telephone**

Mobile (\*)

### **Email**

Work (\*) abisola.kehinde@ubc.ca

### **Website**

Social Media [https://twitter.com/\\_zaynabb\\_](https://twitter.com/_zaynabb_)

## Ms. Abisola Kehinde

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### Language Skills

Language	Read	Write	Speak	Understand
English	Yes	Yes	Yes	Yes
Yoruba	Yes	Yes	Yes	Yes

### User Profile

Research Specialization Keywords: Biochemistry and Molecular Biology

Research Disciplines: Biochemistry, Molecular Biology

Areas of Research: Metabolic Diseases, Metabolic Disorders, Metabolism (Living Organisms), Nutrition and Cancer

Fields of Application: Biomedical Aspects of Human Health, Health System Management

### Degrees

2021/9 (2025/8)	Doctorate, Biochemistry and Molecular Biology, University of British Columbia Degree Status: In Progress Transferred to PhD without completing Masters?: No Supervisors: Seth Parker
2019/5 - 2021/7	Master's Thesis, Biochemistry and Molecular Biology, University of British Columbia Degree Status: Completed Supervisors: Susan Murch
2013/10 - 2016/11	Bachelor's Honours, Biochemistry, University of Lagos Degree Status: Completed Supervisors: Ridwan Lawal
2012/9 - 2013/10	Diploma, Biochemistry, University of Lagos Degree Status: Completed

### Recognitions

2022/8	Four Year Doctoral Fellowship (4YF) - 28,781 (Canadian dollar) University of British Columbia Prize / Award
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2021/9 - 2021/9	President's Academic Excellence Initiative PhD Award - 1,030 (Canadian dollar) University of British Columbia Prize / Award
2021/8 - 2021/8	International Tuition Award - 2,133 (Canadian dollar) University of British Columbia Prize / Award
2021/8	Faculty of Medicine Graduate Award - 5,931 (Canadian dollar) University of British Columbia Prize / Award
2021/7	NHPRS Student Bursary - 200 (Canadian dollar) Natural Health Product Research Society of Canada Prize / Award
2020/8	University Graduate Fellowship - 6,000 (Canadian dollar) University of British Columbia Prize / Award
2020/3	3MT Final (Three Minute Thesis) People's Choice Award, UBCO - 1,000 (Canadian dollar) University of British Columbia Prize / Award
2019/9 - 2021/4	P.E.O International Peace Scholarship - 22,000 (Canadian dollar) Philanthropic Educational Organization (P.E.O) International Peace Scholarship (IPS) Prize / Award
2019/5	Graduate Dean's Entrance Scholarship (Biochemistry) - 5,000 (Canadian dollar) University of British Columbia Prize / Award
2017/12	Award of Excellence, Muslim Students' Society of Nigeria Muslim Students' Society of Nigeria Honor
2016/11	Lagos State Local Scholarship Award - 200,000 (Nigerian naira) Lagos State Government Prize / Award
2016/11	Best Graduating Student, Department of Biochemistry - 25,000 (Nigerian naira) University of Lagos Prize / Award
2016/9	Best Cumulative Grade Point Average (CGPA) Year 4, Biochemistry Award University of Lagos Honor
2014/1 - 2016/11	University of Lagos Endowment Awards- Outstanding Category - 50,000 (Nigerian naira) University of Lagos Prize / Award

## Employment

2021/9	Graduate Research Assistant Biochemistry and Molecular Biology, Medicine, University of British Columbia
2019/5 - 2021/7	Graduate Research Assistant Biochemistry and Molecular Biology, Science /Okanagan Campus, University of British Columbia

2019/9 - 2020/12	Graduate Teaching Assistant Chemistry, Science /Okanagan Campus, University of British Columbia
2017/5 - 2018/4	Instructor/Teacher Chemistry / Biology, Ikeja / Lagos, Education District VI; Babs Fafunwa Millennium Senior Grammar School Lagos
2015/11 - 2016/1	Intern (Quality Control & In-Process Officer) Jawa Pharmaceutical industry, Lagos State, Nigeria

## Affiliations

The primary affiliation is denoted by (\*)

(\*) 2021/9 - 2025/8     Doctoral student, Biochemistry and Molecular Biology, University of British Columbia

## Publications

### Journal Articles

1. Kehinde AZ, Erland LAE, Liu Y, Ragone D, Jones AMP, and Murch SJ. (2022). South Pacific cultivars of breadfruit (*Artocarpus altilis* (Parkinson) Fosberg and *A. mariannensis* Trécul) and their hybrids (*A. altilis* × *A. mariannensis*) have unique dietary starch, protein and fiber. *Journal of Food Composition and Analysis*. Volume 105(104228): 0889-1575.  
First Listed Author  
Published  
Refereed?: Yes  
Number of Contributors: 6  
Contribution Percentage: 21-30  
Description of Contribution Role: I contributed to the design and conducted experiments, acquisition, analysis, interpretation of the data, manuscript preparation, and response to reviewers' comments.
2. Erland LAE, Needham A, Kehinde AZ, Lincoln NK, Adebowale AP, Ragone D, and Murch SJ. (2022). Impact of environment on breadfruit *Artocarpus altilis* (Parkinson) Fosberg var Ma'afala fruit and nutritional quality. *Journal of Food Composition and Analysis*. : 19.  
Co-Author  
Submitted  
Refereed?: Yes  
Number of Contributors: 7  
Contribution Percentage: 11-20  
Description of Contribution Role: I contributed to the formal analysis, investigation, methodology, analysis, interpretation of the data, and manuscript preparation
3. Kehinde AZ and Parker SJ. (2022). No Back-up Plan: Loss of Isozyme Diversity as a Promising Therapeutic Strategy for Cancer. *American association for cancer research*. 82(1695–1697): 9.  
Co-Author  
Published  
Refereed?: Yes  
Number of Contributors: 2  
Contribution Percentage: 81-90  
Description of Contribution Role: I contributed to the review, preparation of the manuscript and response the editor's comment.

## Thesis/Dissertation

1. Development of novel bioproducts from breadfruit. (2021). University of British Columbia. Master's Thesis.  
 Number of Pages: 205 Supervisor: Susan J. Murch  
 Contribution Percentage: 81-90  
 Description of Contribution Role: I participated in the design and conducted experiments, acquisition, analysis, interpretation of the data, and thesis preparation.

## Manuals

1. Stephanie Bishop, Ian Cole, Abisola Kehinde, Elizabeth Mudge, and Susan Murch. (2020). Analytical Chemistry Lab Manual (CHEM 211), Fall 2020/2021. UBC Okanagan. : 100.  
 Co-Author  
 Published, UBC Okanagan  
 Number of Contributors: 5  
 Contribution Percentage: 11-20  
 Description of Contribution Role: I worked with Susan Murch and Stephanie Bishop to transition CHEM 211 to a flexible learning manual (online/hybrid teaching) mode by engaging with the following tasks: Refined learning outcomes; Developed course-assessments/assignments suitable for flexible delivery; Designed learning activities that encouraged interaction between students, between students and their instructor, and students and educational content; Explored, introduced, and advised on learning technologies that effectively and efficiently supported the desired learning outcomes/objectives; Updated lab procedures and datasets; and Co-developed two lab topics for CHEM 211 Labs (HPLC & GC-MS simulation and simulation lab for GC-MS analysis of pesticides).

## Conference Publications

1. Abisola Kehinde, Lauren A. E. Erland, Diane Ragone, Susan J. Murch. (2021). Introduction of Ma'afala Breadfruit Flour to World Commercial Markets. Journal of Natural Health Product Research. Canada and the Changing Global NHP Landscape: The 17th Annual Conference of the Natural Health Products Research Society of Canada (4)  
 Conference Date: 2021/6  
 Abstract  
 First Listed Author  
 Published  
 Refereed?: No, Invited?: Yes  
 Number of Contributors: 4  
 Editors: Kieran Cooley, Pierre Haddady  
 Contribution Percentage: 41-50  
 Description of Contribution Role: I contributed to the design and conducted experiments, acquisition, analysis, and interpretation of the data, and manuscript preparation. I was invited as a contributed speaker for a theme on global stewardship and sustainability where I presented my research during the live feature session. This research added to the discourse on food security and improved nutrition.

## Presentations

1. (2022). Tracking Cellular and Metabolic Responses to Alanine Limitation in Tumours. BMB Symposium, Vancouver, Canada  
 Main Audience: Researcher  
 Invited?: No

2. (2021). Quality and consistency of Ma'afala as a source of flour. Biology Graduate Symposium, Kelowna, Canada  
Main Audience: Researcher  
Invited?: No
3. (2020). Breadfruit native starch exhibiting sphere aggregates. The Cluster of Research Excellence in Agricultural Technologies and Bioproducts (CREATE-BP) oral presentation, UBC Okanagan, Kelowna, Canada  
Main Audience: Researcher  
Invited?: Yes
4. (2020). Variability and Diversity in Breadfruit (*Artocarpus altilis* and related hybrids). CBGRC Conference, Online, Canada  
Main Audience: Researcher  
Invited?: No
5. (2020). Variability and Diversity in Breadfruit (*Artocarpus altilis* and related hybrids). UBC life science poster session, Online, Canada  
Main Audience: Researcher  
Invited?: No
6. (2020). Novel Bioproducts from Breadfruit (*Artocarpus altilis*). Inaugural Eminence Cluster Trainee Poster Session, UBC, Kelowna, Canada  
Main Audience: General Public  
Invited?: Yes

## Text Interviews

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|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2022/07/16 | Not making first class would've been disappointing – UNILAG graduate, Punchng<br><a href="https://punchng.com/not-making-first-class-wouldve-been-disappointing-unilag-graduate/">https://punchng.com/not-making-first-class-wouldve-been-disappointing-unilag-graduate/</a> |
| 2020/03/11 | Biology student captures top prize at UBCO 3MT final, UBC Okanagan news<br><a href="https://news.ok.ubc.ca/2020/03/11/biology-student-captures-top-prize-at-ubco-3mt-final/">https://news.ok.ubc.ca/2020/03/11/biology-student-captures-top-prize-at-ubco-3mt-final/</a>     |

## Courses Taught

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020/09/14 -<br>2020/12/04 | Graduate Teaching Assistant, Chemistry, University of British Columbia<br>Course Title: Chem 211 Lab<br>Course Topic: Analytical Chemistry Lab (Second Year)<br>Course Level: Undergraduate<br>Number of Students: 16<br>Guest Lecture?: No |
| 2020/01/06 -<br>2020/04/10 | Graduate Teaching Assistant, Chemistry, University of British Columbia<br>Course Title: CHEM 113/123<br>Course Topic: Principles of Chemistry II<br>Course Level: Undergraduate<br>Number of Students: 39<br>Guest Lecture?: No             |

2019/09/09 - Graduate Teaching Assistant, Chemistry, University of British Columbia  
 2019/11/22 Course Title: Chem 211 Lab  
 Course Topic: Analytical Chemistry Lab (Second Year)  
 Course Level: Undergraduate  
 Number of Students: 31  
 Guest Lecture?: No

## Event Administration

Head of Technical Committee, Biochemistry Seminar and Student Industrial Training Report for Final Year, University of Lagos, Nigeria., Seminar, 2016/2 - 2016/6  
 Coordinated presentations of Biochemistry Seminar and Student Industrial Training Report.

Volunteer, United Islamic Awareness Week, Club, 2022/2 - 2022/3  
 I helped to organize lecture setup, cleanup, booths, and catering on UBC Campus for a week-long United Islamic Awareness Week that took place in conjunction with 9 different Western Canada Muslim Organizations.

President, Medical/Health Community Development Service - National Youth Service Corps, Lagos, Nigeria, Association, 2017/11 - 2018/4  
 Led teammates, ensured all members are aware of responsibilities, and organized medical outreaches for the residents in Oshodi, Lagos, Nigeria

Representative of Muslim Corps members for Ramadan meals, National Youth Service Corps orientation camp, Edo state, Nigeria, Association, 2017/5 - 2017/6  
 Coordinated the distribution of Ramadan meals among corps members

## Mentoring Activities

2022/5 - 2022/8 Mentor, University of British Columbia  
 Number of Mentorees: 1  
 Provided hands-on lab training and mentorship to a self-identified underrepresented undergraduate in a Biochemistry Work-Learn program aimed at promoting Equity, Diversity, and Inclusion (EDI) in the department.

2021/9 - 2021/12 Mentor, University of British Columbia  
 Number of Mentorees: 1  
 Provided hands-on lab training and mentorship to a self-identified underrepresented undergraduate in a Biochemistry Work-Learn program aimed at promoting Equity, Diversity, and Inclusion (EDI) in the department.

## Community and Volunteer Activities

2021/9 Trainee Omics Group (TOG) Seminar Series Lead, BC Children's Hospital  
 I organize monthly seminar series for the Trainee Omics Group (TOG) to provide a platform for trainees at the BC Children Hospital Research Institute (BCCHR) to present their data projects, receive feedbacks, and gain insights from invited faculty speaker's research. I also assist in hosting beginner and intermediate workshops and tutorials with a team of enthusiastic trainees from across the different research themes at BCCHR who are eager to make bioinformatics and data analysis accessible for everyone.

2022/4 - 2023/3	<p>Vice President, Muslim Student Association (MSA), UBC</p> <p>In charge of taking care of the issues and concerns of the UBC Muslim community. Working closely with all lead volunteers to ensure each portfolio is moving along at a consistent pace. In charge of getting feedback from club members in order to determine how to improve the MSA. Assuming all the duties of the President in the absence.</p>
2021/9 - 2022/6	<p>BCCHR Trainee Networking Committee Member, BC Children's Hospital</p> <p>I am involved in the planning and executing of networking events that provides research trainees at BC Children's Hospital, Oak street Campus the opportunity to network and connect.</p>
2021/9 - 2022/4	<p>Volunteer, UBC SMART PROGRAM- Let's Talk Science (LTS)</p> <p>I participated as a mentor in the UBC LTS that engaged young Canadians in Science by sharing scientific knowledge and careers to inspire them. I taught grade 4 students (class size of 27) on science hands-on experiments virtually and in-person for four sessions.</p>
2018/3 - 2018/4	<p>Volunteer, Project Revamp Africa</p> <p>I served as a facilitator and taught secondary students at Opebi government school, Nigeria on social conduct, and relevant knowledge to equip them for a successful academic journey and life ahead. This was aimed at restoring educational values.</p>

## Knowledge and Technology Translation

2020/3 - 2020/3	<p>3-Minute Thesis presenter (scientific outreach program), Community Engagement</p> <p>Target Stakeholder: General Public</p> <p>Outcome / Deliverable: My thesis research on the developing an infant formula from breadfruit was presented to a broad public audience of Kelowna community.</p> <p>Evidence of Uptake/Impact: My presentation was well recieved by the attendees of the event as it won the category of crowd favourite- UBC People's Choice Award</p> <p>References / Citations / Web Sites: <a href="https://news.ok.ubc.ca/2020/03/11/biology-student-captures-top-prize-at-ubco-3mt-final/">https://news.ok.ubc.ca/2020/03/11/biology-student-captures-top-prize-at-ubco-3mt-final/</a></p> <p>Activity Description: I explained the depth and significance of my research titled "Developing an Infant Formula from Breadfruit" in 3 minutes to a non-specialized audience and panel of judges.</p>
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## Other Memberships

2021/7 - 2022/6	<p>Volunteer Member, Phytochemical society of North America Symposium (PSNA)</p> <p>Served as a volunteer with time keeping and discussion monitoring during the 2021 Virtual conference session</p>
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