

Maryam Al Hashmi, M.Sc.

Biology Lecturer (Department of Basic Sciences)

College of Applied and Health Sciences

A'Sharqiyah University Sultanate
of Oman.

Email: alhashimimaryam91@gmail.com, maryam.al-hashmi@asu.edu.om

Mobile: +96896640629

A1. EDUCATION AND EMPLOYMENT INFORMATION**EDUCATION:**

2019 – 2021 UTM University Technology Malaysia, in Science
(Biotechnology) Supervisor: Dr. Nurlayana Ahmad
Zawawi.

2009 – 2014 University of Technology and Applied Sciences Oman, B.Sc. in Applied
Biology.

EMPLOYMENT INFORMATION:

- Biology Lecturer, Department of Basic Science, College of Health and Applied and Sciences, A' Sharqiyah University, Ibra, Oman. February 2020 – Present.
- Biology Lab Technician, Basic Science department, College of Health and Applied Sciences, A' Sharqiyah University, Ibra, Oman. September 2016 – January 2019.

A2. TEACHING, COORDINATING AND MODERATING

Credit Courses: A' Sharqiyah University

#	Course Code	Course Title
1	BIOL101	Biology I
2	BIOL181	Biology I/ Lab
3	BIOL201	Microbiology
4	BIOL281	Microbiology/ Lab
5	BIOL101E	General Biology for Edu.
6	BIOL201 E	Nutrition for Edu.
6	BIOL301E	Human Anatomy for Edu.

Advising.

- Students' advisor at College of Applied and Health Sciences, A' Sharqiyah University 2020-Present.

A2. ADMINISTRATIVE ENGAGEMENT.

Program Development activities:

- Member of Program Development Committee: Bachelor Degree of Science in Biology, A' Sharqiyah University. 2022-2023

A' Sharqiyah University Committees:

- Member of College Assessment Committee, 2019 – Present.
- Member of University Academic Promotion Committee, 2022 – 2023.
- Member of College Quality Assurance Committee 2022 - Present.
- Member of College Exam Committee, 2020 – Present.

A3. RESEARCH AND CONSULTANCY.

Research Interests:

Biology, Applied Biology, Mathematical Biology and Nanoscience.

Journal Publications: *Published Papers at peer reviewed Journals*

1. Jamal Salah, Hameed Ur Rehman, Iman Al Buwaiqi, Ahmad Al Azab and **Maryam Al Hashmi**, Subclasses of spiral-like functions associated with the modified Caputo's derivative operator, *AIMS Mathematics*. 8(8), 18474-18490, **2023**. doi: 10.3934/math.2023939.
available from: <https://www.aimspress.com/article/doi/10.3934/math.2023939>
2. Jamal Salah, **Maryam Al Hashmi** and Khaled Al Mashrafi, Some propositions on mathematical models of population growth, *International Journal of Latest Trends in Engineering and Technology (IJLTET)Special Issue - ICTIMESH -*, 64-69, **2022**. Available from: some propositions on mathematical models of population growth (ijltet.org).
3. Jamal Salah, **Maryam Al Hashmi**, Hameed Ur Rehman, Khaled Al Mashrafi, Modified Mathematical Models in Biology by the Means of Caputo Derivative of A Function with Respect to Another Exponential Function, *Mathematics and Statistics*, Vol. 10, No. 6, pp. 1194 - 1205, **2022**. DOI: 10.13189/ms.2022.100605
Available from: https://www.hrpub.org/journals/jour_archive.php?id=34&iid=2051

Conferences and Seminars talks:

2022 Dec *Some Propositions on Mathematical Models of Population Growth* ICTIMESH 2022, 19th -22nd Dec 2022, Dubai, UAE.

2021 June *Production of Silver Nanoparticles using Spent Coffee Ground for Antibacterial Effect*. ICBME UTM/ Malaysia

Grants

1. RG Project, TRC Oman (**BFP/RGP/CBS/24/029**):: *ADVANCING MATHEMATICAL MODELS IN BIOLOGY BY APPLYING THE CAPUTO'S DERIVATIVE OF A FUNCTION WITH RESPECT TO ANOTHER FUNCTION*, **2024- Present**.
2. RG Project (BFP/RGP/CBS/23/006): *FRACTIONAL CALCULUS MATHEMATICAL MODELS IN POPULATION DYNAMICS*. **Submitted in 2023**

A4. Language Mastery

- Arabic (Native speaker)
- English (Excellent).
- Bahasa Malayu (Fair)

Workshops and Training:

2015 Aug - Sep *OJT* (On Job Training) ASU/ Oman

2015 Feb - March *Applied Biology* North A 'Sharqiyah Oman

References:

1. Dr. Jamal Salah: College of Applied and Health Science (CAHS). A 'Sharqiyah University. Ibra. Oman: Email: drjamals@asu.edu.om. Tel: +96898038726.
2. Dr. Nurliyana Ahmad Zawawi: UTM Malaysia
Johor. Malaysia. Email: nurliyana@utm.my. Tel: +60125156246
3. Dr. Said Al Ghenaimi: DEAN of College of Applied and Health Sciences (CAHS). A' Sharqiyah University. Ibra. Oman
Email: said.alghenaimi@asu.edu.om. Tel: +968 96001567
4. Dr. Rayya Al Balushi: HOD, Department of Basic Sciences, College of Applied and Health Sciences, A' Sharqiyah University. Ibra, Oman
Email: Rayya.albalushi@asu.edu.om. Tel: +968 99208941