

CURRICULUM VITAE

Full name: Bayan Ziad Al-Momany

Pharmacy/ Pharmacy,

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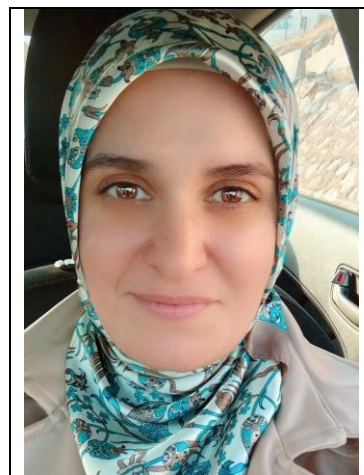
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1. Personal Data

Date of Birth: 24/5/1987

Nationality: Jordanian

2. Education

- Ph.D. (Biochemistry and Molecular Biology) 2020, The University of Jordan, Amman, Jordan
- M.Sc. (Biotechnology) 2013, Al-Balqa Applied University, Al-Salt, Jordan
- B.Sc. (Biotechnology) 2009, Al-Balqa Applied University, Al-Salt, Jordan

3. Ph.D. Dissertation

- *The Role of Dihydrotestosterone in Influencing Chemosensitivity of Triple-Negative Breast Cancer Cells by Regulating ABCG2 Transporter via microRNA: a Possible Therapeutic Strategy.* Defended in April-2020 and succeeded without any modifications, The University of Jordan, Amman, Jordan



4. Employment

Academic Positions

- Assistant Professor, Al-Zaytoonah University of Jordan, Department of Pharmacy/ Faculty of Pharmacy.
Lecturing: Pharmaceutical Biotechnology, Pharmaceutical Biochemistry, Biochemistry for Nursing students, Biochemistry for physiotherapy students, Anatomy and Physiology, and Physiology.
2022- to date
- Assistant Professor, Middle East University, Faculty of Pharmacy.
Lecturing: Pharmaceutical Biotechnology, Biochemistry, General Biology, and Anatomy and Histology.
2021-2022
- Teaching assistant, University of Jordan, Faculty of Biological Sciences.
Lecturing: General Biology 101
2020-2021
- Research assistant, University of Jordan, Faculty of Medicine.
Project title: Role of androgen hormone in influencing the expression of chemoresistance related genes in breast cancer cells using PCR array technique.
2019-2021

5. Research Interests

- Functional genomics
- Gene expression
- Gene silencing using miRNA
- Cell signaling and cellular biochemistry.

6. Fellowships and Scholarships

2015-2019: Ministry of Higher Education and Scientific Research/ Scientific Research and Innovation Support Fund/ Jordan
Scientific Research Support Fund Scholarship for Academic Excellence for Doctoral Students in Jordan



9. Teaching Experience

- *Undergraduate Courses*
 - Pharmaceutical Biotechnology
 - Pharmaceutical Biochemistry
 - Biochemistry for Nursing students
 - Biochemistry for physiotherapy students
 - Anatomy
 - Physiology

10. Membership of Committees

- **National and International**

1. **Bayan Al-Momany** and Saeid Abu-Romman (2020). OPR1 and OPR2 from Barley are Differentially Regulated in Response to Abiotic Stresses and Hormonal Stimuli. 4th **International** Symposium of Education and Values (ISOEVA) / ONLINE Conference. 25 December, 2020. Talk.

2. **Bayan Al-Momany** and Mamoun Ahram (2019). The androgen, dihydrotestosterone, induces chemo-resistance of triple negative breast cancer cells independent of ABCG2 and microRNA-328-3p. Association of Jordanian Medical Laboratory Specialists (AJMLS)-scientific day. Marriott Hotel, Amman, **Jordan**. 13 December, 2019. Talk.

3. **Bayan Al-Momany** and Mamoun Ahram (2019). The androgen, dihydrotestosterone, induces chemo-resistance of triple negative breast cancer cells independent of ABCG2 and microRNA-328-3p. The Non-Coding Genome, EMBL Heidelberg, **Germany**, 16 - 19 Oct 2019. Poster.

- **University**

1. **Bayan Al-Momany** and Saeid Abu-Romman (2018). Molecular characterization and expression profiling of two flavin-dependent oxidoreductase genes from barley. Eighth Scientific Agricultural Conference (ESAC-2018). Faculty of Agriculture of **Mutah University**, Karak, Jordan. 15-17 October, 2018. Poster.

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11. Publications

1. **Al-Momany, B.**, & Abu-Romman, S. (2023). Cucumber and salinity. Australian Journal of Crop Science, 17(7), 581-590.
2. **Al-Momany, B.**, Hasan, H., & Abu-Romman, S. (2022). Oxophytodienoic acid reductase 1 ('HvOPR1') is differentially expressed during spike development of barley. Plant Omics, 15(1), 13-16.
3. **Al-Momany, B.**, Ahram, M. & Hammad, H. (2021). Dihydrotestosterone induces chemo-resistance of triple-negative breast MDA-MB-231 cancer cells towards doxorubicin independent of ABCG2 and miR-328-3p. Current Molecular Pharmacology, 14(5), 860-870.
4. **Al-Momany, B.**, Ahram, M. & Hammad, H. (2020). Regulation of Chemoresponsiveness in Triple-Negative Breast Cancer: Androgen Receptor, ABCG2, and microRNA. Jordan Journal of Biological Sciences, 13(3).
5. Al-Othman, N., Alhendi, A., Ihaisha, M., Barahmeh, M., Alqaraleh, M., & **Al-Momany, B. Z.** (2019). Role of CD44 in Breast Cancer. Breast disease, 39(1), 1-13.
6. **Al-Momany, B.**, & Abu-Romman, S. (2016). Homologs of Old Yellow Enzyme in plants. Australian Journal of Crop Science, 10(4), 584-590.
7. **Al-Momany, B.**, & Abu-Romman, S. (2014). Cloning and Molecular Characterization of a Flavin-dependent Oxidoreductase Gene from Barley. Journal of Applied Genetics, 55(4), 457-468.