

Tareq Zaid Alhindi

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PROFILE SUMMARY

A scientist and a mentor, with main focus on biotechnology and biochemistry, expert in protein engineering and protein assays, genetics and genomic bioinformatic analysis, molecular techniques and plant molecular biology.

STRENGTHS

- ❖ Excellent teaching skills.
- ❖ Expert in writing research papers and grant proposals.
- ❖ Excellent analytical skills, attentive to details and organized.
- ❖ Proficiency in bioinformatics tools and programming languages (MD simulations, evolutionary algorithms, modelling and docking, python, R, bash, VB, graphic design).
- ❖ Creative, multidisciplinary and holistic, a leader and a mentor.

EDUCATIONAL BACKGROUND

- ❖ Doctor of Science (Ph.D.) in Biology. KU Leuven, Belgium (2017). Thesis title: Molecular Basis of MADS-Box Protein-Protein Interaction.
- ❖ M.Sc. in Energy Science (Biofunctional Chemistry). Kyoto University, Japan (2011). Thesis title: Toward the Development of Ribonucleopeptide Enzyme.
- ❖ B.Sc. in Biotechnology and Genetic Engineering. Jordan University of Science and Technology, Jordan (2007).
- ❖ The General Secondary Education, Scientific stream. Jubilee School for Gifted & Talented Students, Jordan (2003).

WORK EXPERIENCE

- ❖ **Assistant Professor** at The University of Jordan, Faculty of Science, Department of Biological Sciences. 9/2019 - Current.
- ❖ **Vice director** at Hamdi Mango Center for Scientific Research. 7/2022 - Current.
- ❖ Grants and M&E officer at Jordanian Women's Union (JWU). 1/2018-7/2019.
- ❖ Researcher at the Energy Center at the University of Jordan. 6/2011-10/2011.
- ❖ Research assistant at The University of Jordan, Faculty of Pharmacy. 5/2007-7/2007.

Funded Research and Scholarships

- ❖ 2023-2026: SRF Jordan Gov. fund “Identification and Development of Bacteriocins from Halotolerant Endophytes and Rhizosphere Bacteria Isolated from the Dead Sea Region”, (154,000 USD).
- ❖ 2023-2025: JU fund “Analysis of the MADS-Box Genes in the flowering plant family Lamiaceae”, (7,000 USD).
- ❖ 2019-2021: JU fund “Identification of genes contributing to salinity resistance in endophytes isolated from the halotolerant plants on the Dead Sea coast”, (28,000 USD).
- ❖ 2012-2017: KU Leuven Scholarships for Incoming International Students Ph.D., Belgium.
- ❖ 2008-2011: MEXT scholarship, Master degree at Kyoto University, Japan.

SCIENTIFIC SKILLS

- ❖ Protein assays/engineering: SPPS, EMSA, SDS-PAGE, immunoblotting, YnH assays, basic NMR assays.
- ❖ High throughput 2nd & 3rd generation sequencing.
- ❖ Chromatography and mass spectrometry: HPLC, MALDI-TOF, LC-MS-MS, CDS.
- ❖ Advanced molecular techniques: advanced molecular cloning & molecular evolution technologies.
- ❖ Cytogenetics techniques.
- ❖ Transgenesis techniques.
- ❖ Bioinformatics, dry lab (*in silico*) techniques, MDS.

Training/Seminary/Workshop Attended

- ❖ 2023 Oct.: An Automated Peptide Synthesis and Purification Platform to Overcome Operational Complexity.
- ❖ 2023 Oct.: Accessing and interpreting predicted protein structures from AlphaFold database.
- ❖ 2023 Oct.: Finding and interpreting protein structure and function data using PDBe-KB.
- ❖ 2021 Jun.: Explore Long Reads Sequencing with Nanopore. Novogene webinar.
- ❖ 2021 Feb.: Supporting the Digital Transformation in Jordan's Higher Education Sector. Online training. MoHE, Amman.
- ❖ 2020 Sep.-Jan.: Early Academics Development Programme. MoHE, Amman.
- ❖ 2019 Oct.: Awareness Workshop. ICGEB, Amman.
- ❖ 2018 Nov.: Concept Note Writing. Oxfam, Amman.
- ❖ 2018 Sep.: KVINFO Partners Workshop. KVINFO, Amman.
- ❖ 2018 Aug.: Partners Capacity Development Workshop. UN Women, Amman.
- ❖ 2015 Sep.: Networking. YouReCa KU Leuven, Belgium.
- ❖ 2015 Jan.: Introduction to Leadership. YouReCa KU Leuven, Belgium.
- ❖ 2014 Apr.: Radiation Protection. HSE Department KU Leuven, Belgium.
- ❖ 2011 Jul.: WBI Global Dialog on Climate Change. GDLN “Atheer”, Amman.

Interests/Hobbies

Blogging, writing (recently I have published my first book), content development, reading, movies, art, travelling, meditating.

Referees

Available upon request.

LIST OF PUBLICATIONS

- ❖ Imraish, A., Abu-Thiab, T., Alhindi, T. and Zihlif, M., 2022. GSDM gene polymorphisms regulate the IgE level in asthmatic patients. *PloS one*, 17(10), p.e0274951.
- ❖ Albdaiwi, R., Alhindi, T. and Hasan, S., 2022. Draft Genome Sequence of *Bacillus paralicheniformis* Strain GSFE7, a Halotolerant Plant Growth-Promoting Bacterial Endophyte Isolated from Cultivated Saline Areas of the Dead Sea Region. *Microbiology Resource Announcements*, 11(9), pp.e00425-22.
- ❖ Alhindi, T. and Albdaiwi, R., 2022. Draft Genome Sequence of *Oceanobacillus jordanicus* Strain GSFE11, a Halotolerant Plant Growth-Promoting Bacterial Endophyte Isolated from the Jordan Valley. *Evolutionary Bioinformatics*, 18, p.11769343211071114.
- ❖ Alhindi, T. and Al-Abdallat, A.M., 2021. Genome-Wide Identification and Analysis of the MADS-Box Gene Family in American Beautyberry (*Callicarpa americana*). *Plants*, 10(9), p.1805.
- ❖ Abu-Elenein, J., Al-Sayaydeh, R., Akkeh, Z., Al-Ajlouni, Z., Al-Bawalize, A.A., Hasan, S., Alhindi, T., Rahahla, R., Ayad, J.Y. and Al-Abdallat, A.M., 2021. Agronomic Performance and Flowering Behavior in Response to Photoperiod and Vernalization in Barley (*Hordeum vulgare* L.) Genotypes with Contrasting Drought Tolerance Behavior. *Environmental and Experimental Botany*, 104661.
- ❖ Zhang, Z., Coenen, H., Ruelens, P., Hazarika, R.R., Al Hindi, T., Oguis, G.K., Vandeperre, A., van Noort, V. and Geuten, K., 2018. Resurrected protein interaction networks reveal the innovation potential of ancient whole-genome duplication. *The Plant Cell*, 30(11), pp.2741-2760.
- ❖ Alhindi, T., Zhang, Z., Ruelens, P., Coenen, H., Degroote, H., Iraci, N. and Geuten, K., 2017. Protein interaction evolution from promiscuity to specificity with reduced flexibility in an increasingly complex network. *Scientific reports*, 7(1), pp.1-15.