

****Dr. Fayha Al-Hawamdeh****

Place of residence: Amman, Jordan

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PROFESSIONAL SUMMARY

Multidisciplinary expert with a Ph.D. in Plant Microbiology and Climate Change, and over 15 years of diversified experience across academic institutions and humanitarian organizations. Adept in conducting scientific research in plant physiology and biotechnology, and highly experienced in managing complex humanitarian and development programs. Combines a strong background in scientific publication with practical field experience in conflict zones and crisis response. Demonstrated success in team leadership, donor relations, proposal development, and capacity building.

EDUCATION

****Ph.D. in Plant Microbiology and Climate Change****

University of Jordan, Amman — *2020–2024*

GPA: 3.76 / 4.0 – "Excellent"

****Master's in Biotechnology****

University of Jordan, Amman — *2010–2012*

GPA: 3.0 / 4.0 – "Very Good"

****Bachelor in Biology****

University of Jordan, Amman — *2005–2009*

GPA: 2.57 / 4.0 – "Good"

PROFESSIONAL EXPERIENCE

****Faculty Member****

Jerash private university – October 2025- Present

Teaching different courses:

1. Weed and crop management
2. Forage crops production
3. Principles of plant production
4. Field crops production
5. Biotechnology and plant breeding technologies (Smart farming and AI approaches)

****Country Director****

Rahma Worldwide for Aid & Development* — *Jan 2020 – October 2025

- * Lead and represent the organization in Jordan; oversee strategy, implementation, and compliance.
- * Manage program portfolio including protection, education, health, and livelihood sectors.
- * Maintain relationships with UN partners (UNICEF, WFP, UNFPA), donors, and national authorities.
- * Supervise cross-functional teams and ensure alignment with humanitarian standards (CHS, Sphere).
- * Coordinate needs assessments and develop integrated multi-sectoral responses.

****Programs Manager****

Rahma Worldwide* — *May 2018 – Dec 2021

- * Designed, implemented, and evaluated development and emergency programs.
- * Developed proposals and narrative reports for various donors.
- * Oversaw M&E frameworks and worked closely with technical advisors.
- * Supervised Sustainable architecture and agriculture project in deprived marginal areas 2022- Msheirfeh/ Jerash

****Programs Manager****

ABAQ Organization for Training and Empowerment* — *Nov 2017 – May 2018

- * Developed vocational training programs and youth empowerment projects.
- * Conducted community assessments and managed field teams.

****Project Manager****

Olive Branch Organization* — *Oct 2015 – Oct 2017

- * Managed multiple projects with international partners: CARE, NRC, Save the Children.
- * Led emergency response projects inside Syria targeting livelihoods and women's empowerment.
- * Coordinated project activities with sectoral working groups: Protection, Education, GBV.

****Research Assistant & Teaching Assistant****

University of Jordan* — *2009 – 2015

- * Assisted in delivering plant science and microbiology courses.
- * Conducted research on plant micropropagation, microbial interactions, and stress physiology.
- * Co-authored several peer-reviewed publications.

SCIENTIFIC PUBLICATIONS

1. Publications

1. **Al - Hawamdeh, Fayha.** Shibli, Rida. Al- Qudah, Tamara. 2013. In vitro Production of Silymarin from *Silybum marianum* L. Medicinal & Aromatic Plants. <http://dx.doi.org/10.4172/2167-0412.S1-001>
2. **Al - Hawamdeh, Fayha.** Shibli, Rida. Al- Qudah, Tamara. 2014. In vitro propagation of *Silybum marianum* L. Jordan Journal of Agricultural Sciences, Volume 10, No.1
<http://journals.ju.edu.jo/JJAS/article/viewFile/6063/3651>
3. Reham W. Tahtamouni ¹, Rida A. Shibli^{*2}, Laila S. Younes ³, Tamara S. Al-Qudah⁴, **Fayha Al Hawmdeh**², Mu'ad AL- Kiyam⁵9 .2016) In Vitro Propagation, Direct Regeneration And Acclimatization of *Solanum villosum* (L.) Mill.: A Promising Medicinal Plant That Grows Wild In Jordan.
4. Experimenting Two Cryopreservation Techniques (Vitrification and Encapsulation-Dehydration) as Approaches for Long- term Conservation of in vitro Grown Shoot Tips of Wild Fennel Rida A. Shibli¹, **Fayha Al Hawmdeh** ¹ P, Mahmud Duwayri¹ P, Nazir Hadidi¹ P, Tamara S. Al-Qudah² P, Reham W. Tahtamouni ³ P, Laila S. Younes ⁴ P and Ahmad Zateemeh.
5. Ahmad Zatimeh¹, Rida A A .Shibli^{2*}, **Fayha M. AL-Hawamdeh**², Laila S.Younes³, Reham W. Tahtamouni⁴ , Tamara S. Al-Qudah⁵ *In vitro* multiplication protocol for sustainable propagation of Harmal (*Peganum harmala*): A distinguished medicinal wild plant. Jordan Journal of Agricultural Sciences, Volume 13, No.1 2017
6. Ahmad Zatimeh, RA Shibli, Reham W Tahtamouni, Tamara S Al-Qudah, S Abu Mallouh, Laila S Younes, **Fayha M AL-Hawamdeh**. 2017. Experimenting the possibility of callus development and growth from *Peganum harmala* L. leaf discs and assessment of the antibacterial activities of callus extract against *Salmonella* sp. and *Bacillus subtilis*. Journal of Food, Agriculture & environment Vol.15 (1): 28-33.
7. Laila S Younes, Rida A Shibli, Reham W Tahtamouni, Tamara S Al-Qudah, **Fayha Al Hawmdeh**.2019. Micropropagation of Black Nightshade (*Solanum nigrum* L.): A promising medicinal plant in Libya. THE LIBYAN JOURNAL OF AGRICULTURE Volume (24), No. (2), 2019: 85 – 96
8. **Al-Hawamdeh F**, Ayad JY, Alananbeh KM, Akash MW. Bacterial Endophytes and Their Contributions to Alleviating Drought and Salinity Stresses in Wheat: A Systematic Review of Physiological Mechanisms. Agriculture. 2024 May 16;14(5):769.

PARTICIPATION & AFFILIATIONS

- * Participant, Scientific Research Conference – Royal Scientific Society (2009)
- * Member, Education and Protection Sector Working Groups – UNICEF (Whole of Syria Program)
- * Member, GBV Working Group – UNFPA/Relief International

Key Projects with INGOs:

- * Olive Branch x CARE – Women Empowerment Projects in Southern Syria
- * Olive Branch x NRC – Emergency Response for Displaced Communities
- * Olive Branch x Save the Children – Education and Child Protection
- * Rahma Worldwide x Mercy crops- Livelihoods
- * Rahma Worldwide x Latter day saints- Livelihoods

TECHNICAL SKILLS

****Scientific:**** Plant stress biology, PCR, DNA analysis, tissue culture, microbial ecology

****Tools:**** MS Office, SPSS, EndNote, ICDL Certified (2010)

****Research:**** Experimental design, data analysis, publication writing

ORGANIZATIONAL SKILLS

- * Proposal development, donor reporting, and project planning

- * Monitoring and Evaluation coordination

- * Budget management and forecasting

- * Leadership in cross-cultural and high-pressure settings

- * Staff training and team capacity building

- * Fluent communication with national and international stakeholders

LANGUAGES

- * ****Arabic:**** Native

- * ****English:**** Fluent (Writing: Excellent | Speaking: Fluent) – TOEFL PBT Certified