

Abeer Aburumman Curriculum Vitae

** Personal Information:*

- **Name** : Abeer AbdelMajeed A. Abu-Rumman
- **Nationality** : Jordanian
- **Date of Birth** : 26/6/1979.
- **Place of Birth** : Amman
- **Marital Status** : Married
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** Scientific Qualifications:*

- Ph.D. - Molecular Biology-The University of Jordan, Amman (2020 - 2024), Titled “Comparative Transcriptome Analysis of Durum Wheat under Water Deficit Conditions”.
- M.Sc. Plant Biotechnology- The University of Jordan, Amman 2012-2015, Titled "Detection of Genetically modified crops in Jordan".
- B.sc. in Plant production – The University of Jordan, Amman– 1997 to 2001.
- High School – Islamic Educational College – scientific branch. Amman 1997.

** Work Experiences:*

- **National Agricultural Research Center (NARC), Biotechnology research directorate, Head of Molecular Biology department 6/5/2018-Till Now.**
Special Features: Molecular breeding, fingerprinting and molecular markers, Transcriptome analysis and genetically modified crops.
 - Member of National biosafety committee.
- **National Agricultural Research Center (NARC), Biodiversity directorate. Researcher from 1/12/2013– 5/5/2018.**
Special Features: Molecular breeding, fingerprinting and molecular markers.
- **National Agricultural Research Center (NARC) Researcher from 10/2/2008–30/11/2013.**
Seed technology and quality control researcher and helping in field crop breeding program.
 - Member at the national seed community of seed testingSpecial Features: field experience in field crop breeding, technical experience at seed germination lab.
- **Horticultural export promotion and technology transfer project (HEPTTP) at NCARE From 1/7/2004 - 31/12/2007.**
Extension work with small local farmers, helping them improving agricultural practices and making exporting contracts.
Special features: Extension work, helping in making contracts between farmers and exporters.
- **Association of Agricultural Research Institutions in the Near East and North Africa (AARINENA) at NCARE, from 1/11/2003- 30/6/2004.**

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Research work, we have published document named Olive Network in the Near East and South Africa: my role was in collecting data from its sources, arranging them and typing them out.

Special features: research work and data collection.

- **Dajani Agribusiness**, Amman from 1/8/2002- 31/10/2003.

As designer supervisor engineer in landscaping department design and maintenance.

Special features: designer, using AutoCAD application in design and design installation and maintenance for indoor and outdoor plants.

**Publications:*

1. Farah O. AL Mbideen, **Abeer Aburumman**, Rabea Al-Sayaydeh, Randa N. Albdaiwi and Ayed M. Al-Abdallat 2024. Effect of Water Deficit Stress on Reproductive Stage of Durum Wheat Near Isogenic Lines Carrying the NAM-B1 Gene, The Open Agriculture Journal, DOI: 10.2174/0118743315314060240516065334, 2024, 18, e18743315314060.
2. Nizar Haddad, Mohammad Brake, Monther Sadder, Hussein Migdadi, , Salam Ayoub, **Abeer Aburumman**, Eman Al-Anasweh, Banan Al-Shagour, Yahya Abusini & Wisam Obeidat 2022. Phylogenetic Analysis Reveals Jordan Was One of The Centers Of Origin For Olive Tree Cultivation Throughout the Ages, OLIVAE. Volume 129.
3. Nizar Haddad, Hussein Migdadi, Mohammad Brake, Salam Ayoub, Wisam Obeidat , Yahya Abusini , **Abeer Aburumman** , Banan Al-Shagour , Eman Al-Anasweh & Monther Sadder (2021). Complete chloroplast genome sequence of historical olive (*Olea europaea* subsp. *europaea*) cultivar Mehras, in Jordan, Mitochondrial DNA PartB, 6:1,194-195, OI:10.1080/23802359.2020.1860712.
4. **Abeer Abrumman**, Hussein Migdadi, Muhanad Akash, Ayed Al-Abdallat, Yaser Hassan Dewir, Muhammad Farooq. 2020. Detection of genetically modified maize in Jordan. GM crops & food. 11(3).DOI: 10.1080/21645698.2020.1747353.
5. **Abeer Aburumman et al**, Enabling the Business of Agriculture 2019 Report, World Bank Group.
6. Ibrahim Hamdan, Saleh Shdeifat, Salam Ayoub and **Abeer Aburumman**,(2004), Regional Network for Olive in the Near East And North Africa, Association of Agricultural Research Institutions in the Near east and North Africa (AARINENA)
7. **Biofuel booklet**. (Alfayyad, Musa, **Abeer Aburumman**) (2009).

**Conference Papers:*

1. 7-8/10/2024 Jordan, 2024 FAO: Arabic Bread. Regional Conference Paper titled “The Role of Genetics in Agricultural: Breeding Techniques and Genetic Modifications”.

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2. 17-20/10/2022 USA, 2022 Borlaug Dialogue: Feeding a Fragile World. Biosafety Regulation of Genetically Engineered Food Products in Jordan poster paper.
3. 1-3/8/2016 Jordan, 7th Annual International Arab Workshop on Biotechnology: Plant Biotechnology & Biodiversity conference. Paper titled” Detection of genetically modified maize in Jordan.”
4. 13-14/12/2017 Jordan, First Arabic parliament conference for genetically modified organism. Paper titled” Genetically modified crops status and role of NARC’
5. 24/9/2018 Jordan, Genetically modified crops workshop at Jordan Agricultural Engineers Association. Paper titled” Detection of genetically modified crops.”
6. 22-25/4/2018 Dead sea, Jordan: Host MENA-regional conference with titled session Native seed preservation and breeding: Best practice for maintaining ecosystem services
7. Trainer in “The use of radiological technologies to devise improved and climate-resilient agricultural mutations”9/9-13/9/2018, Arab Atomic Energy Authority, Jordan Atomic Energy Commission, titled “Using molecular markers in biodiversity studies
8. Smart food 2 , Functional food conference, 14-16/12/2019, GMC’S – OBVIOUS GLOBAL FACT

**Participation in Research Projects Funded by International Organization:*

1. 2020 Borlaug fellowship, USA, Biosafety Regulation of Genetically Engineered Food Products (July-October/2022).
2. National framework of genetically modified crops Biosafety issues, UNEP-GEG, (2019-2024).
3. Supervisor for training of international students for five months in Using SRAP markers in discrimination between olive cultivars under BEFORE project funded by EU, 2018.
4. Ecosystem services project /vegetables races of land in Jordan / Collection and description of vegetables landraces in Jordan, GIZ, 2016-2017.
5. Herbal and medicinal plants project, World Bank, (2004-2009), Building up local medicinal and herbal plants database, survey study for local communities and association for raising awareness and dissemination of knowledge.
6. Horticultural export promotion and technology transfer project (HEPTTP) World Bank from (1/7/2004 - 31/12/2007). Extension work with small local farmers, helping them improving agricultural practices and making exporting contracts.
7. AARINENA secretary office Jordan (2003-2004), building olive tree and Medicinal plants network documents.

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***Participation in Research Projects Funded by National Organization**

- Transcriptome analysis of Durum Wheat, (2021-2024).
- Evaluation the introduction of Quinoa strains tolerant to Jordanian environmental conditions to help adaptation to climate change and enhance food security. (2016-2019)

*** Training and Courses:**

- Genotyping and sequencing, ICARDA, Tunisia, 11-15/1/2023.
- GMO Risk Assessment, ICGEB, Italy, 23 -27/1/2023.
- Biosafety of Genetically Engineered products, MSU, USADA, 24/07-21/10/2022
- Agricultural Biotechnology, Biosafety, Technology Transfer and Product Stewardship, MSU, USA, 31/07-12/08/ 2022
- Food Biosafety, MSU,USA 25/07-30/07/2022
- Leadership And Communication Training, MSU, USA 07/09-28/09/2022 & 4-5/10/2022
- Using of SNPs in breeding, CREA, Italy,27/06-01/07/ 2022
- Plant Breeders' Rights for Food Security and Economic Development, NUFFIC, 3/5-24/6/2021.
- Introduction to the UPOV system of Plant Variety Protection under the UPOV Convention, NUFFIC, 8/3-11/4/2021
- Genetically Modified Food, 2018.
- Utilizing of Advanced Biotechnology Tools for Genetic Diversity and Gene Expression, 2018.
- SNP Marker, Using SNP's markers in olive oil identification, MAICh, Crete- Greece 2016.
- Crop improvement using crop wild relatives 2015.
- Statistical Design, Data Analysis and Biometrical Techniques in Agricultural Research, ICARDA, 2015.
- Seed health, ICARDA, 2013.

*** Languages:**

- *Arabic* : Mother Tongue.
- *English* : Excellent.

Field of interest:

- Molecular plant breeding
- Genetically modified crops GMCs.
- Transcriptome analysis.

***Committees memberships**

- Member at National biosafety committee at Ministry of Environment.
- Member at biosafety committee at Jordan food and Drug Administration.

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**References:*

- Prof. Dr. Nizar Haddad, Former Director General –National Agricultural Research Center. Jordan, Mob. No. 0777327437.
- Prof. Ayed Abdallat- Specialist in molecular plant breeding -, University of Jordan Mob. No. 079 7767969.