



Aya Termanini

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Objective

Former Co-assistant teacher with a very impressive previous experience at (the **University of Aleppo, Syria**), and eager to enhance and get more professional experience in my field. I **graduated** from Aleppo university **in 2010** and became a **co-assistance teacher** at the faculty of Technical engineering/ **department of Biotechnology**. I have been teaching the practical part of several courses such as **molecular biology, genetic engineering, plant tissue culture, genetics, bioinformatics, and biostatistics**.

I did my graduation project in ICARDA (**The International Center for Agricultural Research in The Dry Area**) and I have finished my Master's thesis in February 2017, it was titled (**Regeneration of two Varieties of Bread and Durum Wheat by Tissue Culture Technique**).

Education

2005 – 2009 Bachelor in Biotechnology Faculty of Technical Engineering – **My score:84.11**

2012-2017 Master in Biotechnology- Faculty of Technical Engineering- **My score:94.42**

Experience and training

2011 -2022 Teaching the practical part of several courses (Molecular Biology, Genetic Engineering, Plant Tissue Culture, Genetics, Bioinformatic, and Biostatistics)

Summer 2007 Laboratory of Microbiology, Hospital of Aleppo University

2007 – 2008 Course in Biotechnology, Biotechnology Laboratory, Faculty of Technical Engineering University of Aleppo

2009 - 2010 Graduation project" *Determination of Allelic patterns of adaptation genes in ICARDA's elite wheat germplasm*", I've worked on: PCR(RAPD, Microsatellites), Gel electrophoresis, Spectrophotometer, ABI 3100 DNA sequencer

2014 - 2016 Master project" *Regeneration of two Varieties of Bread and Durum Wheat by Tissue Culture Technique*", Faculty of Agriculture engineering- University of Aleppo.

2019- 2020 Traning in the Bacteriology laboratory, Hospital of Aleppo University

Publications

Callus Induction and Plant Regeneration of Two Local Wheat Varieties using Tissue Culture Technique

Termanini A, Khateeb F, Lababidy G, Alsayed H.M.(2016). *Callus Induction and Plant Regeneration of Two Local Wheat Varieties using Tissue Culture Technique*. Agricultural Sciences, Research Journal of Aleppo University, No.121.

Plant Regeneration from Mature Embryos of Local Bread Wheat Cham6

Termanini A, Khateeb F, Lababidy G, Alsayed H.M. (2016). *Plant Regeneration from Mature Embryos of Local Bread Wheat Cham6*. Agricultural Sciences, Research Journal of Aleppo University, No.122.

Laboratory Skills

- Culturing different kinds of explants (mature and immature embryos, leaf base ...)
- DNA extraction, Agarose electrophoresis, Acryl amid electrophoresis, ABI 3100 DNA sequencer
- RNA extraction, SDS-PAGE
- Protein extraction & Purification
- Western Blotting
- PCR techniques (RAPD, Microsatellites)
- Spectrophotometer

Computer Skills & Languages

Computer skills:

- **GenStat** - SPSS
- **Bioinformatic** Perl, BioEdit, CLUSTALX, TreeViewX
- **Internet Explorer** PubMed, NCBI (BLAST, Primer BLAST), Primer3, Genome Browser
- Advanced: Microsoft office,

Languages:

- Arabic: Native speaker.
- English: very good in writing, reading and speaking.

References

Referee 1

Type Academic
Title Assistant teacher

First Name **Fateh**
Last Name **Khatib**
Address/Institution Aleppo university, Syria
Email Khatib_fateh@yahoo.com
Telephone +963966 459 779

Referee 2

Type Academic

Title Scientific researcher
First Name **Naiem**
Last Name **Al-Hussein**
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Government Center of Scientific Agriculture(GCSAR)
Email naiem64@hotmail.com
Telephone +963 988310035

Referee3

Type Academic
Title MD
First Name **Khaled**
Last Name **Dababo**
Address/Institution Aleppo university, Syria
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Referee 4

Type Research

Title Scientific researcher
First Name **Aladdin**
Last Name **Hamwia**
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