

Candidate: Hisham Wazeer

Project Title: Innovative Seed Technology for the Agri-food Industry

Supervisor: Dr. Anca Macovei

Reviewer: Prof. Paolo Iadarola

HISHAM WAZEER – CURRICULUM VITAE

HISHAM WAZEER

- Born in Hasbaya (Lebanon), January 11th, 1995
- Nationality: Lebanese
- Cellphone: +393284810326
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EDUCATION

- **11/2022 – Ongoing:** PhD in Genetics, Molecular and Cellular Biology, University of Pavia (Italy).
- **10/2020 – 07/2022:** Master Degree in Molecular Biology and Genetics, University of Pavia (Italy). Thesis: “*Molecular and bioinformatics characterization of candidate priming-responsive proteins in Medicago truncatula L. seeds*”. The work was done under the supervision of Prof. Alma Balestrazzi – University of Pavia.
- **10/2015 – 10/2017:** Master Degree in Applied Plant Biotechnology, Lebanese University. Thesis: “*In vitro evaluation of phytohormones effect on Cd phytoextraction by Noccaea caerulea in the presence of phenanthrene and Cd*”. The work was done under the supervision of Prof. Ahmad Kobeissi – Lebanese University.
- **10/2012 – 06/2015:** Bachelor Degree in Biology, Lebanese University (Lebanon).
- **10/2009 – 07/2012:** High School Diploma, Life Sciences Section, Kfeir High School (Lebanon).

TECHNICAL SKILLS

- Wet Lab Skills: PCR Techniques (Standard and Quantitative), Plant Tissue Culture, Nucleic Acids Extraction, Alkaline Comet Assay, Bacterial Transformation, Spectrophotometry, ELISA, Western Blotting, Micropropagation, Protoplast Extraction, Granulometry, Double Coloration Technique, Pigment Extraction.
- Informatics Skills: Microsoft Office, SPSS, R studio.
- Bioinformatics Skills: Data Mining, Oligonucleotide Design, Sequence Alignment Tools, Statistical Analysis, Analysis of Transcriptomics and Metabolomics Datasets.

WORK EXPERIENCE

- **10/2022 – 11/2022:** Visiting Researcher, Seed Molecular Physiology Lab (Italy).
- **10/2019 – 06/2020:** Biology and Chemistry Teacher, Lebanese Educational Tutoring School “LES” (Lebanon).
- **10/2018 – 06/2020:** Biology and Chemistry Teacher, Intelligent Minds Education Center (Lebanon).

PUBLICATIONS ON PEER-REVIEWED SCIENTIFIC JOURNALS

- Pagano A, Kunz L, Dittmann A, De Sousa Araújo S, Macovei A, Shridhar Gaonkar S, **Wazeer H**, Balestrazzi A. Changes in Medicago truncatula seed proteome along the

rehydration-dehydration cycle highlight new players in the pre-germinative metabolism.
Accepted abstract, Manuscript in preparation.

COMMUNICATION TO CONGRESSES

- Pagano A, Kunz L, Dittmann A, De Sousa Araújo S, Macovei A, Shridhar Gaonkar S, **Wazeer H**, Balestrazzi A. Proteomic profiling of *Medicago truncatula* seed priming: highlighting novel players in pre-germinative metabolism. New Phytologist Next Generation Scientists 2022, Tartu (Estonia), July 19-22, **2022**.
- Shridhar Gaonkar S, Pagano A, Kunz L, Dittmann A, De Sousa Araújo S, Macovei A, **Wazeer H**, Balestrazzi A. Profiling of LEA proteins in *Medicago truncatula* dry seed proteome. XVI FISV Congress, Portici (Naples, Italy), September 13-16, **2022**.

INVOLVEMENT INTO CONFERENCES

- Organization and attendance of the conference “Water Management and Security in Lebanon and Region Countries”, Lebanese University – Faculty of Sciences, Hadat (Lebanon), May 16, 2016.
- Attendance of the conference “Universitaire Hygiène/Sécurité et Bonnes Pratiques de Laboratoire” (University Hygiene/Safety and Good Laboratory Practices), Lebanese University – Faculty of Sciences, Fanar, December 9, 2015.

LANGUAGE SKILLS

- Arabic (Native)
- English (High Proficiency – C1)
- Italian (Moderate Proficiency – B1)

REFERENCES

Prof. Alma Balestrazzi

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Pavia, November 15th 2022
Hisham Wazeer

