

## **PERSONEL INFORMATIONS**

- **Date of birth : 07/02/1976 at Batna**
- **Nationality : Algerian**
- **Civil status : Married – 04 children**
- **Home address : City 05 July Oued El Ma - Batna**



## **ACADEMIC TRAINING**

- 2021- Habilitation to supervise research (HDR) – Abbès Laghrour University, Khenchela
- 2015- Doctorate in Science – Plant Biology and Physiology – Mentouri University, Constantine
- 2001- Magister – Plant Biology – University of Mentouri, Constantine
- 1998- Graduate Diploma – Biochemistry.

## **PROFESSIONAL EXPERIENCE**

- 2021 – present : Associate Professor A – Plant Biology and physiology – University of Abbès Laghrour, Khenchela.
- 2015 – 2021 : Associate Professor B – Plant Biology and physiology – University of Abbès Laghrour, Khenchela.
- 2003 – 2015 : Assistant Professor A – Plant Biology and physiology – University of Abbès Laghrour, Khenchela.

## **EDUCATIONAL & RESEARCH ACTIVITIES**

### **TEACHING EXPERIENCE**

- Teaching over 15 subjects across various levels and specializations.

### **SUPERVISION OF GRADUATION PROJECTS**

- Supervision of about thirty Master's theses in Plant Biotechnology, Plant Production and Biochemistry.

### **LEADERSHIP AND MEMBERSHIP ROLES**

- 2024- present: Team Leader at the laboratory of MCVANR – University of Khenchela
- 2022- present : Member of the Faculty's Scientific Council – University of Khenchela

- Research associate at the CNEPRU project approved on 01/01/2014, under the code, F03520130018 entitled "*Integrated management and ecological assessment of wetlands in the Khenchela-Oum-El-Bouaghi region*".
- Research associate in the PNR project approved on 05/2011 under the code F14/0/0/2011-7, entitled "*Serological and Genetic Study of Nasopharyngeal Cancer*".
- Member of the Scientific Council. Research associate in the CNEPRU project approved on 01/01/2005 under the code F4001/01/2005 Entitled: "*Use of genetic variability in the improvement of wheat yield and its tolerance to salinity and water deficit in semi-arid areas*".

## PEDAGOGICAL RESPONSIBILITIES

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- 2013-2016 : Speciality Coordinator: Bachelor's degree in Biochemistry.
- 2009-2011 : Deputy Head of Department in charge of Pedagogy.

## PUBLICATIONS

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- [1] Chorfi L., Fercha A.,... Bendjemana K. 2022. NAcetyltransferase 2, Glutathione S-transferase gene polymorphisms and susceptibility to hepatocellular carcinoma in an Algerian population. *Xenobiotica*, 52(1), 99-104. <https://doi.org/10.1080/00498254.2022.2040642>.
- [2] Laabassi A., Fercha A. 2021. Comparative study of the Environmental impact on the nutritional quality of Durum Wheat (*Triticum durum* Desf.). *Ecology, Environment and Conservation* 27, S313-S317.
- [3] Zeraib A., Boudjedou L., ..., Fercha A. 2021. Synergistic effects of *Ruta montana* (clus.) l. essential oil and antibiotics against some pathogenic bacteria. *Journal of Phytology* 13, 101107.
- [4] Boudjedjou, L., Ramdani M., Zeraib A., Benmeddourb T., Fercha A. 2019. Chemical composition and biological activities of Algerian *Santolina africana* essential oil. *Scientific African*, 4, e00090.
- [5] Fercha A. et al., 2018. Analyse multivariée des traits associés à la vigueur des semences de blé dur sous conditions salines. *Lebanese Science Journal*, Vol. 19, No. 2, 123-134.
- [6] Boudjedjou, L., Ramdani M., Zeraib A., Benmeddourb T., Fercha A. 2018. Chemical composition and Antibacterial activity of Berries Essential oil of Algerian *Juniperus thurifera* (var. *aurasiaca*). *Pharm Sci.* 24(3): 240-245. doi: 10.15171/PS.2018.35. <https://ps.tbzmed.ac.ir/PDF/PHARM-24-240.pdf>
- [7] Fercha A. 2017. Understanding seed priming in wheat: A proteomics approach. Ed. Lambert Academic Publishing. LAP (2017-01-16) - ISBN-13: 978-3-330-03302-3. 112 p. <https://www.morebooks.de/store/gb/book/understandingseed-priming-in-wheat-a-proteomics-approach/isbn/978-3-33003302-3>

[8] Fercha A., et al., 2016. Shotgun proteomic analysis of soybean embryonic axes during germination under salt stress. *Proteomics*, 16(10), 1537-1546. (IF = 4.079).

[9] Fercha A., Gherroucha H. 2014. The role of osmoprotectants and antioxidant enzymes in the differential response of durum wheat genotypes to salinity. *J. Appl. Bot. Food Qual.* 87, 74-79. (IF=1.085)

Etc.

## Communications

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[1] Laabassi A., Harzallah D., Boudehane A. & Fercha A., 2017. Wastewater treatment by Floating Macrophyte (*Salvinia natans*) Under Algerian Semi-Arid Climate. Climate Changing Agriculture International Conference 29 August – 2 September, 2017 CHANIA GREECE.

[2] Fercha A., et al., 2015. Gel-Free Proteomics Reveals Potential Biomarkers of Hydropriming-Induced Salt Tolerance in Durum Wheat. International Symposium on Genomics, Metagenomics, Plant Biotechnology, Environment and Health. 22-24 NOV 2015, Biskra, Algeria. (OC, awarded the 1<sup>st</sup> prize)

[3] Fercha A., et al., 2014. Shotgun proteomic analysis of ascorbate-primed and unprimed wheat seeds during germination under salinity conditions (Abstract). *J Biotechnol Biomater*, 3 (5) 272-311; <http://omicsonline.org/2155-952X/2155952X.S1.029-020.pdf>; the 5<sup>th</sup> World Congress on Biotechnology, June 25-27, 2014, Valencia, Spain.

Etc.

## Skills

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- Systems: Bioinformatics, Mass spectrometry analysis, Scaffolds, Mascot, X! Tandam. MaxQuant...
- Logiciels : Statistica, Spss, Systat, Statgraphics Centurion, Excel, Powerpoint, Word...

## Languages

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- Arabic: Literary and technical (native language)
- French: Read, written, and spoken
- English: Read, written, and spoken