

Fatima zahra ATI



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PROFILE

Biological Engineer with over 14 years of experience in scientific research, laboratory analysis, and technical support. My professional journey across university and research centers has developed strong expertise in biological and physicochemical analyses, laboratory practices, and research activities. Dedicated, adaptable, and detail-oriented, I am motivated to contribute my expertise to innovative and challenging projects.

PROFESSIONAL EXPERIENCE

Laboratory Engineer

Department of Microbiology, Abderrahmane Mira University

From 17/01/2011 to 09/10/2016 (Bejaia, Algeria)

- Daily management of Mycology Laboratory.
- Technical assistance for Master and Engineering project life cycle.
- Participation in the implementation of practical work.
- Interim management of chemical storage and inventory of Nature and Life Sciences Faculty.

Research Support Engineer

Chromatography and Elemental Analysis Facility,
Scanning Electron Microscopy Laboratory,
Center for Scientific and Technical Research in Physico-Chemical Analysis (CRAPC)

From 19/02/2017 to 30/11/2023 (Tipaza, Algeria)

- HPLC Operator.
- SEM Operator.
- Daily management of Micobiology Laboratory.
- Technical assistance for Master project life cycle.
- Participation in the preparation of the Accreditation project.

Research Support Engineer

Division of Biology and Food Chemistry, Research Center for Agri-Food Technologies (CRTAA)

From 25/06/2024 – Ongoing (Bejaia, Algeria)

- Preparing technical specifications for scientific equipments and consumables.
- Participation in the « She Can » project with ANGEM, supporting women's entrepreneurial development and professional advancement.

EDUCATION

Bachelor's in Nature and Life Sciences

El Houria Secondary School

From 09/2001 to 06/2004 (Bejaia, Algeria)

Biological Engineering degree Abderrahmane Mira University

From 09/2004 to 06/2009 (Bejaia, Algeria)

Master's degree in Microbial Biotechnology

Abderrahmane Mira University

From 10/2016 to 06/2017 (Bejaia, Algeria)

PROFESSIONAL SKILLS

- Scientific research and Laboratory analysis
- Scientific equipments
- Problem-solving skills
- Organisation and Planning

SOFTWARE PROFICIENCY

- Pack Office
- CapCut
- JMP

LANGUAGES

- Kabyl : Native
- Arabic : Fluent
- French : Advanced
- English : Advanced

SCIENTIFIC COMMUNICATIONS

1. **ATI Fatima zahra** and MADANI Khodir. "Study of the biological properties of the phenolic extracts of some medicinal plants of Bejaia area", 2nd African Congress on Biology and Health, University of Setif - Algeria : 10-12 November 2012.
2. OUKALA Nadira, BOUAOUD Y., ADJEBLI A., **ATI F.Z.** and AISSAT K. "Use of black polyethylene mulch to reduce the incidence of *B. cinerea* in greenhouse tomato cultivations", International Seminar on Production Systems in Semi arid Areas : Agronomic Diversity and Cropping Systems, University of M'Sila - Algeria : 04-05 November 2015.
3. N. OUKALA Nadira, Y. BOUAOUD, A. FOUGHALIA, **F.Z. ATI** and K. AISSAT. "The use of a black plastic mulch and organic soil amendments to manage stem gray mould of tomato plants in a commercial greenhouse", International Symposium on Genomics, Metagenomics, Plant Biotechnology, Environment and Health, University of Biskra - Algeria : 22-24 November 2015.
4. FOUGHALIA Abdelhamid, BOUAOUD Yousra, OUKALA Nadira, ADJEBLI Ahmed, AISSAT Kamel and **ATI Fatima zohra**. "Protection of tomatoes against gray rot using soil microorganisms", International Symposium on Applications of Natural and Life Sciences : Relations with the productive world, University of Bejaia - Algeria : 27-28 September 2017.
5. **ATI Fatima zahra** and MADANI Khodir. "The benefits of some Algerian medicinal plants as natural antioxydant and antimicrobial agents", International Symposium on Phytodiversity and Plants of ecological and economic interest in Algeria. Inventory, Conservation and Economic interest, Univesrity of M'Sila - Algeria : 29-30 October 2017.
6. **ATI Fatima zahra** and MADANI Khodir. "Polyphenol as bioactive compounds in some Algerian medicinal Plants", 3rd International Symposium on Medicinal Plants and Materials, University of Tebessa - Algeria : 25-27 February 2020
7. ADJISSA Massinissa, BOUZIDI Nedjima, IKKOUR Kahina, SELLAM Djamila, DJERMOUNE Atmane, **ATI Fatima zahra**, AIT MERZEG Farid and YOUNSAOUI Youghourta. "Comparative study between a catalyst supported on Algerian bentonite and diatomite", International Workshop on Chemical Engineering, University of Setif - Algeria : 09-10 December 2023.
8. **ATI Fatima zahra**, Touati Abdelaziz, Nouri Hamid and Boucherba Nawel. "Biotechnological approches to combat antimicrobial resistance in the food chain : A one health perspective", The 2nd International Congress of Food-CISA 2025. Sustainability, Innovation and Health, Institute of Nutrition, Food and Agri-Food Technologies of Constantine - Algeria : 14-15 December 2025.
9. **ATI Fatima zahra** and DEBBOU Nedjima. "Free range chicken and industrial chicken : Between Yennayer heritage and modern agri-food challenges – A nutritional, technological and socio-cultural approch", YENNAYER Day : From Heritage to Science, Research Center for Agri-Food Technologies of Bejaia - Algeria : 11 January 2026.
10. **ATI Fatima zahra** and DEBBOU Nedjima. "Aromatic and culinary plants in Amazigh tradition : Uses, Composition and Valorisation – Between ancestral knowledge and modern science", YENNAYER Day : From Heritage to Science, Research Center for Agri-Food Technologies of Bejaia - Algeria : 11 January 2026.
11. **ATI Fatima zahra**, DEBBOU Nedjima and ABIDER-AMRANE Meriem. "Dietary exposure to pesticide mixtures : Synergistic effects and biological implications", 1st Scientific day on Pesticide use in Agriculture : Health, Environmental and Agroecological challenges, Division of Food Agroecology - Research Center for Agri-Food Technologies of Bejaia - Algeria : 19 February 2026.
12. **ATI Fatima zahra**, DEBBOU Nedjima and CHELOUFI Hadjer. "Effects of agri-food processing operations on the reduction of pesticide residues : Toward better food safety", 1st Scientific day on Pesticide use in Agriculture : Health, Environmental and Agroecological challenges, Division of Food Agroecology - Research Center for Agri-Food Technologies of Bejaia - Algeria : 19 February 2026.
13. **ATI Fatima zahra**. "The Auditor : A key pillar of compliance, performance and continual improvement". Study Day on Standardization, Certification and Regulatory Monitoring, Division of Food Alerts and Regulatory Monitoring-Research Center for Agri-Food Technologies of Bejaia - Algeria : 22 June 2026.

PRACTICAL COURSES

Internship on medical lab analysis

Khelil Amrane Hospital

From 01 to 15/07/2007 (Bejaia, Algeria)

Internship in laboratory of Hygiene

Health and Population Department (DSP)

From 01 to 12/09/2007 (Bejaia, Algeria)

Internship in internal medicine service

Khelil Amrane Hospital

From 19 to 17/08/2008 (Bejaia, Algeria)

End of Studies engineering internship

Laboratory of Biomathematics, Biochemistry, Biophysics and Scientometric (L3BS), University of Bejaia

From 04/2009 to 06/2009 (Bejaia, Algeria)

•**Thesis topic** : “Study of the biological properties of the phenolic extracts of some medicinal plants of Bejaia area”.

•**Thesis Director** : Pr Khodir MADANI

•**Jury Members** : Pr Lila BOULEKBACHE-MAKHLOUF and Pr Sabiha ACHAT

End of Studies master internship

Laboratory of Biological Engineering, University of Bejaia / CRAPC

From 02/01/2017 to 31/05/2017 (Bejaia, Algeria)

•**Thesis topic** : “Contribution to the characterization of metabolites produced by selected Haloarchaeal strains ”.

•**Thesis Director** : Pr Nacera IMADALOU-IDRES

•**Jury Members** : Pr Abdelhamid BOUKERROUI and Pr Ibtissem DJINNI

Internship on pathological anatomy and cytology

Laboratory of Dr Yasmina AMRANE-SADKI

From 01 to 15/04/2019 (Bejaia, Algeria)

Internship in quality control and quality audit laboratory

QUALILAB Laboratory

From 07/05/2019 to 03/07/2019 (Bejaia, Algeria)

TRAINING / Courses and certificates

Business English - Intensive Language Teaching

Center of University of Bejaia, June 02 – 30, 2013

Technical assistance for PhD Students covering chromatography liquid high performance (HPLC) - Center for Scientific and Technical Research in Physico-Chemical Analysis (CRAPC) – Tipaza, Algeria

Pollen analysis - CRAPC in collaboration with ANAP, Mars 01 – 02, 2017

Mediterranean Melissopalynology - CRAPC in collaboration with ANAP, APIMED, FELCOS, Pr Paola FERRAZZI and Dr Monica VERCELLI (DISAFA), Mars 06 – 09, 2017

Accreditation ISO17025 - School Management of Constantine, Mars 27 – 30, 2017

Measurement uncertainty - School Management of Constantine, Mars 12 – 14, 2018

The Importance of Molecular Methods in Microbiology - Knowledge Bridge School, July 24, 2021

SEM JEOL JSM-7200F – NOVICONCEPT in collaboration with Jeol (Europe), September 25 and 26, 2021

Microanalyse EDS – NOVICONCEPT in collaboration with SYNERGIE 4, October 06 - 07, 2021

Design Of Experiments – ESCLAB Academy, November 19 - 21, 2024

Sensory and Hedonic Analysis of Olive Oil – ESCLAB Academy, December 03 - 05, 2024

Contribution of the Organization of the First International Conference on Food Safety and Sustainable Agri-Food Technologies – Research Center for Agri-Food Technologies, October 14 - 16, 2025

Internship in laboratory of water testing quality control

Algerian Central Waters Station (ADE)

From 10 to 13/06/2019 (Bejaia, Algeria)

Internship at National Office of Sanitation (ONA)

From 15 to 24/09/2019 (Bejaia, Algeria)

Internship at fishery port

From 29/09/2019 to 10/10/2019 (Bejaia, Algeria)

Internship at LaBelle SPA

Agri-Food fats Complex (Co.G.B)

From 28 to 30/01/2020 (Bejaia, Algeria)

Good Laboratory Practices – STLS, November 14 - 20, 2025

Participation in the Discovery Day: The World of Cheese and Honey – Research Center for Agri-Food Technologies, December 16, 2025

Contribution to a Rural Women's Support Day, organized as part of the "She Can" Project, through a presentation entitled "Simplified Marketing for Beginners: One Step Today... A new Life Tomorrow" – ANGEM-CRTAA, May 04 and 20, 2026

Development of a Business Model Canvas (BMC) for Agri-Food Startup – HADINAL-CRTAA, May 09, 2026

The Algerian Banking System and Economic Financing – HADINAL-CRTAA, May 23, 2026

Contribution to a Rural Women's Support Day, organized as part of the "She Can" Project, through a presentation entitled "Dare to be entrepreneurial: Self-confidence and the willingness to turn an idea into a Project" – ANGEM-CRTAA, June 18, 2026

Participation in Mentoring and Evaluation of the LACTOVAL Project Team as a Socio-Economic Stakeholder – CDE-UAMB, July 06, 2026

Bejaia, 06 July 2026
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