

CURRICULUM VITAE (CV)

CIVIL STATUS

SALAH Zahra

DATE AND PLACE OF BIRTH: 10 / 02 / 1984 at BENI OUARSOUS –TLEMCCEN, ALGERIA

NATIONALITY: Algerian

CIVIL STATUS: Single

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MAJOR RESEARCH INTERESTS

Environmental Biotechnology; Food and Environmental Microbiology; sustainable development; Wastewater treatment and Environmental Information System.

Member of the scientific and pedagogical council at the national school of engineers of the city

PEDAGOGICAL AND ACADEMIC STATUS

A-SCHOOLING DEGREES

PhD at Tlemcen University (Algeria) 2019

Sector: biological science

Option : biology: Animal ecology

MAGISTER Diplôme at Tlemcen University

Sector: biological science

Option : Ecology and biology of populations

ENGINEER STATE Diploma at Tlemcen University 2007

Sector: Biology

Option : Ecology and environment; pathology of ecosystems

B- Other qualifications

- ❖ First aid certificate (february, 2006)
- ❖ Informatic diploma (january, 2007)
- ❖ Certificate of training “initiation to statistical analysis” (october, 2012)
- ❖ Internship certificate, " Scientific article Training: how to publish it successfully?" » Francophone Digital Campus of Algiers (USTHB), the Francophonie University Agency (AUF) from 8-10 November 2016.

- ❖ Massif open Online Courses follow-up certificate; Botanical MOOC - initiation: BOTANICAL MOOC, Tela Botanica, November 2016
- ❖ Certificate of short-term internship at the Biotechnology and Valorization of Bio-Geo Resources laboratory, BVBGR, LR11-ES31-Tunisie, March, 2016
- ❖ Short-term laboratory internship certificate, LR11-ES31-Tunisia (January, 2015) Botanical mooc follow-up certificate - initiation: botanical mooc, tela botanica, november 2016

C- PEDAGOGIC AND COMMUNICATION STATUS

Pedagogic status

2022-2023 Part-time teacher at the University of Tlemcen, Faculty of Natural and Life Sciences and Earth and Universe Sciences (SNV/STU),

- In charge of courses for the ecology and nature conservation module during the first semester and bibliographic research and mini project for 3rd year undergraduate students in genetics

Part-time teacher at the University of Tlemcen, Institute of Applied Science and Technology. In charge of courses for the plant biotechnology during the first semester, for 2nd year undergraduate students in technology of essential and vegetable oils

Part-time teacher at the National School of Engineers of the city-Tlemcen-, in charge of course for the Environmental Law during the first semester and liquid waste management modules during second semester for the rank of principal inspector of hygiene, public health and the environment.

2021 -2022 Part-time teacher at the University of Tlemcen, Faculty of Natural and Life Sciences and Earth and Universe Sciences (SNV/STU),

- In charge of courses for the ecology and nature conservation module for 3rd year undergraduate students in genetics during the first semester.

Part-time teacher at the University of Tlemcen, Institute of Applied Science and Technology. In charge of courses for the plant biotechnology during the first semester and applied microbiology during second semester for 2nd year undergraduate students in technology of essential and vegetable oils

Part-time teacher at the National School of Engineers of the city-Tlemcen-, in charge of course for the solid waste management and atmospheric pollution modules for the rank of principal inspector of hygiene, public health and the environment.

2020-2021 Part-time teacher at the University of Tlemcen, Faculty of Natural and Life Sciences and Earth and Universe Sciences (SNV/STU),

- In charge of courses for the ecology and nature conservation module for 3rd year undergraduate students in genetics during the first semester.
- In charge of courses and tutorials for the Introduction to bibliographic research module for 3rd year undergraduate students, Plant Production during the second semester.

2019-2020: Part-time teacher at the University of Tlemcen, Faculty of Natural and Life Sciences and Earth and Universe Sciences (SNV/STU),

- In charge of courses for the ecology and nature conservation module for 3rd year undergraduate students in genetics during the first semester.

- In charge of courses and tutorials for the Introduction to bibliographic research module for 3rd year undergraduate students, Plant Production during the second semester.

Part-time teacher at the National School of Engineers of the city-Tlemcen-, in charge of tutorials for the solid waste management and liquid waste management modules for the rank of principal inspector of hygiene, public health and the environment.

2018– 2019: Part-time teacher at the University of Tlemcen, SNV/STU Faculty, lecturer and tutorial for the ecology and nature conservation module for undergraduate genetics students during the first semester.

Part-time teacher at the National School of Engineers of the city-Tlemcen-, in charge of tutorials for the Environmental Law and Health and Safety modules for the rank of Principal Inspector of Hygiene, Public Sanitation and the Environment.

2017 – 2018: Part-time teacher at the University of Tlemcen, SNV/STU Faculty, in charge of courses and tutorials for the ecology and nature conservation module for undergraduate genetics students during the first semester, as well as courses and DT for the perennial crop module for 3rd year students in agronomy during the second semester.

2016 – 2017: Part-time teacher at the University of Tlemcen, SNV/STU Faculty, in charge of the genetics module tutorials for second-year biological science students during the first semester as well as the tutorials and tutorials for the module of microbiology for second year biological science students during the second semester.

2015 – 2016: Part-time teacher at the University of Tlemcen, SNV/STU Faculty, in charge of labs and tutorials of the plant growth and reproduction module for third-year agronomy students during the first semester.

2014 – 2015: Temporary teacher at the University of Tlemcen, SNV/STU Faculty, in charge of practical work and tutorials for the cell biology module for 1st year forestry students during the first semester and the animal biology modules during the second semester.

2013 –2014 (no permanent teacher at Tlemcen University) in charge of TP and TD of module cellular biology for students in 1st year forestry during 1st semester and the modules of animal biology during 2nd semester

2012 – 2013 (no permanent teacher at Tlemcen University) in charge of TP and TD de module arboriculture of tree fruit and viticulture for students in 4th year agronomy.

2011-2012 (no permanent teacher at Tlemcen University) in charge of TP and TD of modules of:

- Zoology for students in 2nd year of biology;
- Phyto-pathology of student in third year of agronomy;
- Food microbiology for students in 3rd year of biology LMD SNV;
- Microbiology and food security for students in Master 1.

Research projects 2011

Member of the PNR project: "Biodiversity of mechanisms and molecules implemented in response to parasitic attacks in *Olea europea* and *Citrus sinensis* in the region of Tlemcen "Western Algeria"

International Publications

Z. Salah, N. Gaouar Benyelles, S. Abdelwahed, C. Baghdad, A. Jaouani, A. Masmoudi, A. Mosbah and A. Cherif “Allelochemical response of *Citrus sinensis* L. cv. Washington navel against *Ceratitis capitata* Wied, 1824 (Diptera: Tephritidae) in Tlemcen region, Algeria” *Allelopathy Journal* 45 (1): 129-139 (September 2018).

National publication

BENGHALEM Bouchra, KIDOUD Benali, **SALAH Zahra**, CHAHBAR Mohamed, GAOUAR Semir Bechir Suheil. “Typology and morphogéométric caractérisation of local bee populations *Apis mellifera intermissa* in the North-West of Algeria” *GABJ* 7(2) (July, 2023)

Internationals communications

SALAH Z. and GAOUAR BENYELLES N., “Tests of biological control by *Bacillus thuringiensis* against the Mediterranean fruit fly *Ceratitis capitata* Wied (Diptera: Tephritidae) in the region of Tlemcen”, 7th scientific days of microbiology Hammamet, 25-27 November 2011 Hammamet-TUNIS

SALAH Zahra, GAOUAR BENYELLES Nassira «insecticidal activity of *Bacillus thuringiensis* against Mediterranean Fruits Fly », Congress of Phytopathology Society of France – September 5-8th, 2012 Paris-FRANCE

SALAH Zahra, GAOUAR BENYELLES Nassira, REBIAHI Sid Ahmed et ABDELOUAHID Djamel Eddine « Isolation of strains of *Bacillus thuringiensis* in Tlemcen Algeria”4th international workshop on industrial biotechnology, April 10-11th, 2013 Tlemcen ALGERIA.

SALAH Zahra "Free Communication" (MGAR, 2015) from 17 to 19 May 2015 at the University of Tlemcen.

SALAH Z., GAOUAR BENYELLES N., BOUKLIKHA A., “Bio-ecological study of *Ceratitis capitata* (Wied.) (Diptera, Tephritidae) in the region of Tlemcen (western Algeria), 3rd international congress on plant diversity from 9 to October 11, 2015 in Marrakech (Morocco)

BOUKLIKHA A., GAOUAR BENYELLES N., SALAH Zahra “Infestation of tomato (*Lycopersicon esculentum*) by the leaf miner *Tuta absoluta* and biological cycle of this pest in greenhouses in the region of Tlemcen (Algeria), 3rd international congress on plant diversity from 9 to 11 October 2015 in Marrakech (Morocco)

SALAH Z., MAHDAD Y., GAOUAR BENYELLES N. “Spatiotemporal distribution of the Mediterranean fruit fly *Ceratitis capitata* in the region of Tlemcen (Algeria)” 46th international congress of the French-speaking society of chronobiology (SFC-2018) Rabat, Morocco 22 - October 25, 2018

SALAH Z., GAOUAR BENYELLES N., ABDELWAHED S., BAGHDAD C., JAOUANI A., MASMOUDI A., MOSBAH A., and CHERIF A “Effects of *Citrus sinensis* L. cv. Washington navel allelochemicals against *Ceratitis capitata* Wied, 1824 (Diptera: Tephritidae) in Tlemcen region, Algeria”, the 3rd African Congress of Allelopathies, III AIAC Blida Algeria 24 -26 November 2018

1- nationales communications

SALAH Zahra et AMRANI Sidi Mohamed, “Contribution of physico-chimique analyse’s soil of Citrus irrigate by OUED TAFNA water in pilote MOUSSADEK ABDELKADER (REMCHI – TLEMCEN) farm, forum for sciences of nature May 14-15 and 16th, 2012 Tlemcen ALGERIA.

SALAH Zahra, GAOUAR BENYELLES Nassira « Le pouvoir insecticide de *Bacillus thuringiensis* de la forme commercialisée (VECTOBAC 200UT/mg) contre la mouche méditerranéenne des fruits » forum for sciences of nature May 14-15 and 16th, 2012 Tlemcen ALGERIA.

SALAH Zahra, GAOUAR BENYELLES Nassira « Way bio-ecological study of Mediterranean Fruits Fly *Ceratitis capitata* (WIEDEMANN, 1824) (Diptera, Tephritidae) ?, Forum for development of science of life and universe May 14 -15th, 2013 Tlemcen – ALGERIE.

SALAH Zahra, GAOUAR BENYELLES Nassira, et REBIAHI Sid Ahmed et ABDELOUAHID Djamel Eddine « study of pathogenic microflora stete down on *Citrus sinensis* after that’s attacked by fruit fly in Tlemcen region », first day for scientific of agriculture, environment and health. June 3rd, 2014 Tlemcen- ALGERIA.

SALAH Zahra, OUALID Yahia, BOUKARI Mohamed, BENJAMAI Mohamed Islem, “Morphometric characterization of aphids of different varieties of broad beans” 4th National Seminar between Student and Investors 26- 27th, April 2023 at the Tlemcen University- Algeria

SALAH Zahra, HADJ SLIMANE Dounia, FELLAHI Imene, KHELIFA Imane: defense mechanism of *Vicia faba* L against *Aphis fabae* in the region of Tlemcen” 4th National Seminar between Student and Investors 26- 27th, April 2023 at the Tlemcen University- Algeria

Organization of international workshops

- ❖ Member of the organization of the first international workshop on: Management and genetic improvement of the socio-participatory approach to animal resources (MGAR, 2015) from 17 to 19 May 2015 at the University of Tlemcen.
- ❖ Member of the organization of the second international workshop on: Management and genetic improvement of plant and microbial resources (GRPM, 2017) at the University of Tlemcen from 19 to 21 March 2017.

- ❖ Member of the organization of the fourth international workshop on: actors in the camel sector: characteristics, critical points and potentialities (MGIBR, 2018) at the University of Tlemcen on February 25, 2018.

Online training

- ❖ Certificate of Attendance: Supporting the Development of Scientific Research – Part I (90 minutes) at CERIST, on Monday May 11, 2020 Presented by Nadine Iskander, Research Advisor (Researcher Academy On Campus)
- ❖ Certificate of Appreciation: attending the Literature Review webinar on May 12th, 2020 from 11am to 1pm (GMT) via WebEx. Organized by Web of Science Group (Clarivate Analytics Company)
- ❖ Certificate of Attendance: attending the Online Scientific Writing Program on the topics Structuring your manuscript to impress journal editors and Selecting a journal and preparing a
- ❖ Certificate of Attendance: The Book Publishing Process: An Elsevier Author Workshop (120 minutes) at Africa, on Wednesday June 03, 2020 Presented by Stacy Masucci, Publisher, Translational Medicine, Elsevier, Theren Mohan, Solutions Sales Manager – eBooks (Researcher Academy On Campus)
- ❖ Certificate of Completion: attending the Artificial intelligence homecamp #DZAICAMP2020.

LANGUAGES

Arabic: Native
French: excellent
English: Intermediate
Korean: beginner
Chinese: beginner