

CURRICULUM VITAE

Name and Surname: BENSOUICI KARIMA

Affiliation:

University: ABBAS LAGHROUR University, Khenchela

Institute: Institute of Natural and Life Sciences

Department: Ecology and Environment

Marital Status: Married, with four children.

Personal Address: Cité des 500 logts. Bt. 40 n°393 Zouaghi, Constantine

Spoken Languages: Arabic, French

Written Languages: Arabic, French, English

Email: bensouici.karima@univ-khenchela.dz

Position: Teaching Researcher

Workplace: Institute of Natural and Life Sciences, ABBES LAGHROUR University, Khenchela

Academic Rank: Assistant Professor (Grade A)

Research Rank: Research Associate

Education and Academic Titles:

High School Diploma (BAC): June 1989

Engineering Degree (Ingénieur): April 1995

Master's Degree (Magistère): July 2007

Title of Master's Thesis: Study of actinomycetal microflora producing antifungals used in the preservation of Aleppo pine wood.

Previous Positions:

- Primary school teacher in Constantine (1994-2007).
- Part-time Microbiology Laboratory Instructor at the Faculty of Natural Sciences (Mentouri University of Constantine) (2006-2007).
- Assistant Professor in Biology (University of Khenchela) (since 2007).

Areas of Interest:

- Microbial Ecology,
- Ecology and Environment
- Actinobacteria and production of primary and secondary metabolites.

Courses Taught:

- Lectures:

- o Methods of Work and Terminology (L1 SNV)
- o Forest Management (5th year of Ecology Engineering)
- o Biocoenotics (L3 Ecology and Environment)
- o Environmental Impact Assessment (M2 Protection of Polluted Ecosystems)
- o Renewable and Non-renewable Energies and Sources of Pollution (M1 Ecosystem Protection)
- o Environmental Protection (L3 Water and Environment)
- o Environmental Pollution (L3 Ecology and Environment)
- o Identification and Treatment of Solid Waste (M2 Fundamentals of Ecology)

(Directed Studies/Tutorials):

- General Ecology (L2 Biology)
- Life Sciences and Socio-Economic Impacts (L1 Biology)

(Practical Work/Lab Sessions):

- Plant Biology (L1 SNV)
- Microbiology (L2 SNV)

Scientific Work

Publications:

- BOUDEMAGH A., ALI-KHODJA H., BELDJOU DI M. F., **BENSOUICI K.**, KITOUNI M., BOULAHROUF A., MAHBOUL M., ZAATOUT H., and LARKEM N. (2006). Biodegradation of methanol in a batch reactor by a microbial flora isolated from a wastewater treatment plant sludge in El-Menia, Constantine. *Fresenius Environmental Bulletin*, 15(12b), 1590-1594.

<http://www.psp>

[parlar.de/details_feb_afs_.asp?typ=feb&datum=15.12.2006&jahr=2006](http://www.psp.parlar.de/details_feb_afs_.asp?typ=feb&datum=15.12.2006&jahr=2006)

-BOUDEMAGH A. **BENSOUICI K.** (2014). The effect of thermic pretreatment and antibiotics on the selective isolation of the culturable actinomycetes from Algerian desert soil. Sciences et technologie C-N°39. 25-32.

<http://revue.umc.edu.dz/index.php/c/article/view/1538/pdf>

-**BENSOUICI, Karima**; BOUDEMAGH, Allaoueddine; BOULAHROUF, Abderrahmane. ANTIFUNGAL ACTIVITY OF ACTINOMYCETES ISOLATED FROM SEVERAL ALGERIAN ECOSYSTEMS AGAINST *Pinus halepensis* WOOD DECAY FUNGI (2015). **Sciences & Technologie C**, [S.l.], p. 44-52, june 2015.

<http://revue.umc.edu.dz/index.php/c/article/view/2030/2172>

International Communications

1- BOUDEMAGH A., KITOUNI M., **BENSOUICI K.**, BOUGHACHICHE F., HAMDIKEN H., OULMI L., REGHIOUA S., ZERIZER H., COUBLE A., MOUNIEE D., BOULAHROUF A., and BOIRON P. (2005) Study of the antifungal activity of actinomycete microflora of some algerian soils. Molecular identification of two representative strains. 3rd conference on biology of Nocardiae. July 5. Lyon France.

2- A. BOUDEMAGH **K. BENSOUICI** A. HOCINAT and S. BENHASNA (2015). Isolation and molecular identification of actinomycetes from wastewater treatment plant and capable of growing on Roundup herbicide as a sole source of carbon and energy.IV International Conference on Environnemental, Industrial and Applied Microbiology. Barcelone, Spain, 28- 30 Octobre 2015.

3- **BENSOUICI Karima**, KITOUNI Mahmoud and BOUDEMAGH A (2015). Metabolic and physiological biodiversity of actinomycetes isolated from saline soils of Melghir (Algeria). **VI** International Conference on Environnemental, Industrial and Applied Microbiology. Barcelone, Spain, 28- 30 Octobre 2015.

4- **BENSOUICI Karima**, KITOUNI Mahmoud, and BOUDEMAGH Allaoueddine (2016). *Enzymatic Potential of Actinomycetes Isolated from Saline Soils in the Saharan Region of Melghir (El-Oued)*. Presented at the 1st International Conference on Applied Biotechnologies in Khenchela, held from April 17 to 19, 2016.

5- HOGGAS Farida, **BENSOUICI Karima**, and BOURAKBA Souad (2016). *Production of Antibiotics by Actinomycetes Isolated and Identified from Different Ecosystems (El-Oued soil, Khenchela soil, Ain M'lila sebkha)*. Presented at the 1st International Conference on Applied Biotechnologies in Khenchela, held from April 17 to 19, 2016.

6- **BENSOUICI Karima**, KITOUNI Mahmoud et BOUDEMAGH Allaoueddine (2016). Capacity of actinobacteria isolated from saline soils of Melghir chott to use both insecticides (Karate and Decis) as a sole source of carbon and energy. 3rd INTERNATIONAL CONFERENCE ON “Innovative Trends in Multidisciplinary Academic Research”. Istanbul, Turkey.

<https://globalilluminators.org/wp-content/uploads/2015/12/Abstarct-Proceeding-Book-ITMAR2016..-1.pdf>

7-BOUDEMAGH Allaoueddine **and BENSOUICI Karima (2017)**.The selective isolation of actinobacteria from the Algerian desert soil. International conference on advances in sciences and arts ICASA'17 Istambul, Turkey, March 29-31, 2017

8- **BENSOUICI Karima**, KITOUNI Mahmoud and BOUDEMAGH Allaoueddine (2017). Antibiotic activity of Actinobacteria isolated from the saline soils of chott Melghir in El-Oued (Algeria). International conference on advances in sciences and arts ICASA'17 Istanbul, Turkey, March 29-31, 2017

National Communications:

1. Bourmada Ahlem, Saci Rabab, and **Bensouici Karima (2022)**. Characterization of leachates from household waste at the Baghai landfill site in Khenchela. Presented at the 1st National Day on Agri-Food and Environmental Microbiology (AAME 2022) on May 11, 2022, at Djilali Bounaâma University in Khemis Miliana.
2. Nasri Khaoula, Guezgouz Noureddine, and **Bensouici Karima (2023)**. Characterization of Physico-Chemical and Microbiological Parameters of Traditional Vinegar Produced from the Charden Apple Variety Cultivated in the Bouhmama Region. Presented at the 1st National Seminar on the Challenge of Waste Management: Destruction and Valorization on September 26, 2023, at ABBES LAGHROUR University in Khenchela.

Research Projects:

1. **Title:** Biodiversity and Valorization of Actinomycetes Isolated from Extreme Ecosystems: Sebkhah, Chotts, Wastewater Treatment Plants, Polluted Soils...

Project Leader: MAHMOUD KITOUNI

Project Code: F00920100022

Period: 2010-2013

2. **Title:** Study of the Role of Actinomycetes in the Biodegradation of Certain Xenobiotic Pollutants in Soils, Air, and Water.

Project Leader: BOUDEMAGH Allaoueddine

Project Code: F00920130105

Period: 2014