

Curriculum vitae

Personal informations

Name: BENHIZIA

First name: Toufik.

Date and place of birth: 08/01/1983 in Bouzina Wilaya of Batna.

Address: Route Tazoult Batna.

Marital status: Married.

Tel: (+213)6 99 95 67 40

E-mail: 1- benhizia.toufik@univ-khenchela.dz

2- benhiziatou@gmail.com

Profil link researchgate: <https://www.researchgate.net/profile/Toufik-Benhizia-2>

Google Scholar link: <https://scholar.google.com/citations?user=Fapa9UEAAAAJ&hl=ar>



Diplomas

June 2001: Baccalaureate in nature and life sciences.

July 2007: State forestry engineer. Batna 1 University.

Thesis theme: evaluation of the contributions of biogenic elements by rainfall in the forest station of Hamla.Batna.

April 2010: High-level University degree (Magister) in Agronomy, forestry option with honors. Batna 1 University.

Theme: evaluation of the contributions of biogenic elements by biological fallout in an oak grove and an Aurès pine forest.

March 2019: Doctorate in Agronomy, forestry option with very honorable mention. Batna 1 University.

Subject: Spatio-temporal variations in the interception of precipitation and the contributions of biogenic elements by biological fallout in Quercus ilex L oak forests.

December 2020: Degree of Authorization to Supervise Researches, speciality : Agronomic sciences.

Professional experience

December 2008: State engineer within the Agro-forestry development company of Aurès Safa Aurès.

Mission within Safa Aurès: Responsible engineer for a period of 20 months on the work of:

- Opening and development of agricultural and forestry tracks.
- Wood exploitation.
- Gabionage.
- Green areas.
- Catchment and construction of water points.
- Silvicultural actions.
- Reforestation.

From November 2010: Assistant professor class (B), University of August 20, 1955 Skikda.

November 2011: Establishment in the grade of assistant professor class (B).

May 2013: Class assistant professor (A).

From November 2014: Assistant professor class (A), University of ABBES LAGHROUR KHENCHELA.

From April 2017: Permanent member in the disciplinary council of the department of ecology and environment, University of ABBES LAGHROUR KHENCHELA, for a mandate of 3 years (April 2017-April 2020).

From June 2016 to June 2018: assistant head of department in charge of post-graduation department of ecology and environment.

From March 2019: Lecturer class (B) University of ABBES LAGHROUR KHENCHELA.

From December 2020: Lecturer class (A) University of ABBES LAGHROUR KHENCHELA.

From May 2021: head of specialty Master plant production, department of agricultural sciences.

From September 2022: research master class (A). UNIVERSITY OF ABBES LAGHROUR KHENCHELA.

Insured modules

- Development economics (course + tutorial)
- Horticultural production (TP).
- Soil-plant-atmosphere continuum (course + tutorial).
- Soil defense and restoration (course).

- General forestry (course).
- Economics and management (course + tutorial).
- Management of agricultural businesses (course + TD).
- Instrumental analysis (course + practical work).
- Micro climate and agricultural production (course + tutorial).
- Economic approach to business (course + TD).
- Soil-plant water functioning (course).
- Latex (course).
- Environmental economics (course + tutorial).
- Environmental law (course).
- Knowledge of the company (course + tutorial).
- Eco pedology (course + practical work).
- Practical training in plant production (courses + practical work).
- Ecology of functions.
- Group dynamic.
- Conservation of water and soil.
- Project approach and management.
- Legislation (University of Batna1).
- Soil quality and fertility

Guiding students

-Engineering memoirs

- Evaluation of the contributions of biogenic elements by rain in citrus orchards (Skikda).
- Influence of the harvest date and the size of the embryo on the germination of citrus seeds (Skikda).

-Master memoirs

- Constraints and prospects for the production of citrus plants at the ITAFV (Skikda) level.
- Impact of climatic factors on the degradation of khenchela wilaya forests.
- Technical and economic study of the management of an apple orchard wilaya of khenchela.
- Technical and economic study of the management of an olive orchard wilaya of khenchela.
- Technical and economic study of the potato sector in the wilaya of khenchela.
- Technical and economic study of the garlic sector in the wilaya of khenchela.

- Survey of melon cultivation in the Wilaya of Khenchela.
- Technical and economic study of onion management (*Allium cepa*) in the wilaya of khenchela.
- Survey of melon cultivation in the Wilaya of KHENCHELA.

Research activity:

Member of a research team (CNEPRU 2013 project): project title “rehabilitation of mountain agriculture in the wilaya of Skikda: situation, tools, methods and perspectives”.

Member of the Project of Research academic training (Code D01N01UN400120220001) about ‘*Promotion of some species of the genera Salvia and Pistacia of eastern Algeria*’.

Publications and communications

1. International publications

1.1. BENHIZIA Toufik; OUDJEHIH Bachir and LEBBAL Salim., 2018: Variation in the interception of precipitation in a *Quercus ilex* L. des Aurès oak grove (Eastern Algeria).

Variation of the interception of rainfall in an oak grove of *Quercus ilex* L. in the region of Aurès (East Algeria) 97-108 *ecologia mediterranea* Vol. 44 (1).

1.2. BENHIZIA Toufik; OUDJEHIH Bachir and LEBBAL Salim., 2018: Variation of throughfall, stemflow and interception of rainfall in a *Quercus ilex* L. coppice. *Algerian journal of arid environment* vol. 8(2): 31-43. P-ISSN 2170-1318/ E-ISSN 2588-1949.

1.3. Toufik BENHIZIA., Bachir OUDJEHIH and Salim LEBBAL., 2020. “Supply of NPK elements through precipitation and throughfall in a coppice of green oak in the east of Algeria”. *AGROFOR International Journal* 5 (1):15-21. The journal is indexed, among others, in CABI Full-Text Repository, CAB Abstracts, WorldCat, Directory of Open Access Scholarly Resources (ROAD).

1.4. Toufik BENHIZIA, Salim LEBBAL, Zine El Abidine abdenbi and Azzedine ZERAIB 2020: Action of the Aleppo pine (*Pinus halepensis* Mill) forest cover on the redistribution of rainfall in a semi-arid bioclimate (Eastern Algeria). Vol 21 (17-34)

1.5. - Farouk AMAMRI, Salim LEBBAL, Toufik BENHIZIA, Azzeddine ZERAIB. 2021

Aphicidal and repellent activities of plant extracts from *Hertia cheirifolia* L. and *Marrubium deserti* of Noah. *AgroLife Scientific Journal* Volume 10, No. 2. (9-13) University of Agronomic Sciences and Veterinary Medicine of Bucharest.

1.6. Toufik BENHIZIA, Salim Lebbal and Azzeddine Zeraib. “Provisions in NPK elements through litterfall in an oak grove of *Quercus ilex* L. (east Algeria)” accepted for publication in *The Algerian Journal of Environmental Science and Technology*. The manuscript will appear during the year 2023.

1.7. Toufik BENHIZIA, Salim Lebbal and Abdelghafour Abaidia. 2023. First data on rainfall interception in an Atlas cedar forest (*Cedrus atlantica* Manetti) in the Aurès (eastern Algeria) Erste Daten zur Niederschlagsinterzeption in an Atlaszederwald (*Cedrus atlantica* Manetti) im

Aurès (Ostalgerien). 140. Jahrgang (2023), Heft 3, S. 189–212. Austrian journal of forest science (Class A journal).

1.8. Toufik BENHIZIA, Salim LEBBAL, Azzeddine ZERAIB, Bilal HASROURI, Youcef Alamine MESSAOUDIA, Ammar ZIANI. 2023. Evaluation of the aphicidal activity of *Salvia microphylla* (Lamiaceae) aqueous extracts against *Aphis pomi* (Aphididae). *Acta Universitatis Sapientiae Agriculture and Environment*, 15 (2023) 110–118.

1.9. LEBBAL S., BENHIZIA T., DJEBAILI S., BOUZIDI C., GHASSIR H., RAHAL K.1, ZERAIB A. 2023. Aphicidal activity screening of plant extracts from *Pistacia lentiscus* (Anacardiaceae) *ENTOMOLOGIA HELLENICA* 32 (2023): 12 –19

1.10. Salim LEBBAL¹, Toufik BENHIZIA, Khalid RAHAL¹, Azzeddine ZERAIB^{1, 2}, Ratiba AGGOUNE¹, Nadjla MAAROUF¹, Dalal BRIK¹, Rayane MHALAINE¹. (2023) *IN VITRO SCREENING OF THE INSECTICIDAL ACTIVITY OF Salvia microphylla* (Lamiaceae). *AgroLife Scientific Journal - Volume 12, Number 2, 2023* ISSN 2285-5718; ISSN CD-ROM 2285-5726; ISSN ONLINE 2286-0126; ISSN-L 2285-5718. PpP101-106. Class magazine (A).

2. International Conferences

2.1. Sustainable management of natural resources in the context of global changes. Hammamet, Tunisia April 10-12, 2019

Title: Evaluation of precipitation, dripping, flow and interception in an oak grove with *Quercus ilex* L. des Aurès (Eastern Algeria). Authors: Toufik BENHIZIA, Bachir OUDJEHIH and Salim LEBBAL.

2.2 The 10th International Scientific Agriculture Symposium „AGROSYM 2019” Jahorina Mountain (Bosnia and Herzegovina), 3-6 October 2019.

Authors and titles of communications:

2.2.1. Authors: Toufik BENHIZIA, Salim LEBBAL, CHAOUI Rebiha and AMROUI Wafa

“Is there a relationship between germination rate and seed size for CITRANGE TROYER?”

2.2.2. Authors: Toufik BENHIZIA, Salim LEBBAL, CHAOUI Rebiha and AMROUI Wafa

“The impact of seed volume on germination level of CITRUS VOLKAMERIANA.

2.2.3. Authors: Toufik BENHIZIA, Salim LEBBAL, CHAOUI Rebiha and AMROUI Wafa

“The influence of seed size on germination degree of a CITRUS STOCK”.

2.3. Toufik BENHIZIA, Salim LEBBAL, Rebiha CHAOUI and Wafa AMRAOUI: Influence of the harvest date on the germination of a citrus rootstock *Citrus volkameriana* Pasq. *MEDITERRANEAN FORUM 2021* organized by CIHEAM. International Center for Advanced Mediterranean Agronomic Studies.

2.4. Salim LEBBAL, Toufik BENHIZIA Trials to combat aphids using plant extracts in Algeria. First international days of natural and life sciences

JISNV 2022. OUARGLA National Teachers’ School.

2.5. Toufik BENHIZIA, Salim LEBBAL and ABAIDIA Abdelghafor WACCAD 2023. Seminar on water, climate change, agriculture and territorial development Sétif from October 1 to 4, 2023. The interception of rain by the action of the main covers foresters in the Aurès (Eastern Algeria). University of Sétif 1.

2.6. BENHIZIA Toufik, LEBBAL Salim, ZERAIB Azzeddine MELOUAH Dalal, MOUMOU Hind AZZEDDINE Souhila. SIITA 2023. The 2nd Edition INTERNATIONAL CONFERENCE ON TECHNOLOGICAL INNOVATIONS FOR SUSTAINABLE AGRICULTURE (SIITA) December 10-11 /2023. USE OF PLANT ESSENTIAL OILS TO CONTROL APHIS POMI. Mila University Center.

2.7. LEBBAL Salim, T. BENHIZIA, A. ZERAIB, D. MELOUAH, H. MOUMOU and S. AZZEDDINE. 1st ENSA International Plant Protection Symposium (1st SIPV.Ensa 2023) which took place from November 21 to 23, 2023. «Study of the insecticidal effect of essential oils of Pistacia lentiscus against an apple tree pest. National Higher School of Agronomy.

National communications:

1. TOUFIK BENHIZIA *1, SALIM LEBBAL 1, REBIHA CHAOUI 2,3, Wafa AMRAOUI 2 2022. Relationship between harvest date and germination of Citrange Carrizo. The 1st National Seminar on: “The Valorization of Natural Resources and the Environment” National Seminar, March 30, 2022, Ferhat Abbas University – Sétif-1.

2. Toufik BENHIZIA *a, Salim LEBBAL a, Rebiha CHAOUI b,c, Wafa AMRAOUI b

First National Seminar on Sustainable Agriculture and Biodiversity (SNADB 2022), May 11 and 12, 2022. What is the relationship between fruit maturity and germination of Citrange Troyer? University August 20, 1955 Skikda.

3-BENHIZIA Toufik, Aouani Yasmina YAMAMI Sebti VBRV 2023. National Seminar on Valorization of Plant Bio-Resources in Algeria VBRV 2022 EXTRACTION AND PRESERVATION OF THISTLE PR2SSURE (*cynara cardunculus*). University of kenchela. 06/07/2022.

Scientific committee of national and international seminars

Member of the scientific committee of the national seminar on Valorization of Plant Bio-Resources in Algeria VBRV 2022. University of kenchela. 06/07/2022.

Member of the scientific committee of The first International Webinar on Promotion and Exploitation of Plants of Ecological and Economic Interest held between 15 and 16 March 2023. University of kenchela.

Handout expertise

Handout of the material: protection of forest ecosystems written by Dr. AISSI Abdeljalil

Institute of Veterinary and Agronomic Sciences University of Batna 1. (2022).

Handout of the material: plant protection 1 written by Dr. LEBBAL Salim. University of kenchela. (2023).

Handout of the subject: plant ecology written by Dr. SOUILAH N. University of August 20 skikda. (2023).

Handout of the subject: entrepreneurship written by Dr. Foufou ammar. University of August 20 Skikda.(2023).

Handout of the subject: forest ecology and dendroecology written by Dr. KHATER Nadia University of Batna 2. (2023).

Activities related to the Doctorate

Participation in the correction of the doctoral competition University of Khenchela

Member of the jury as examiner in the doctoral theses of:

CHERAK IMEN: contribution to the study of the entoMofauna dependent on the Atlas cedar (*Cedrus atlantica* Manetti) in the Belezma National Park (Banta-Algeria). Defended on 11/12/2023. NSTITUT of Veterinary Sciences and Agricultural Sciences. University of Batna 1.

MESSAADIA Zineb: Study of defoliators and their parasitic complex in the Chélia cedar forest. Desserted in 2023. NSTITUT of Veterinary Sciences and Agricultural Sciences. University of Batna 1.

Others

- Member of the Green Hope association (Batna) for environmental protection (2003-2005).

- Practical internship on the theme “fighting forest fires” (July 2005).

Participation in the organization of a scientific day on the theme “forestry sciences training - activity” (March 2006).

-Participation in the organization of three study days at the University of August 20, 1955 Skikda (2011-2013).

- Participation in the organization of a competitive entrance examination (preparation of questions and correction of examination papers) for engineers and technicians in agronomy - University of Skikda (2011 & 2013).

-Participation in the organization of a workshop about ‘*Arboriculture*’ at the University of Skikda (December 2011)

- Practical internship on forestry techniques Agroparistech Nancy France. (2016)

-Practical internship at the forest hydrology laboratory. National Forestry School of Engineers. Salé Morocco (2019).

- Practical internship at the apple orchards of the University of Bologna Italy

-Category B driving license.

-Computer knowledge: Word; Excel; Power point, latex and scientific work place.

-Statistical tools; SPSS and STATISTICA

-Arabic and French: excellent.

-English: C₁