Abderrahim BOUHENACHE

26 years old, born May 26, 1995 in Mila (Algeria)
1 rue Gisèle Freund, Rennes (France)
+33 7 53 52 27 91
bouhenacheabderrahim@gmail.com
bouhenacheabderrahim

Young agronomist

looking for an Engineer or Research engineer position in systemic agronomy

for a more detailed *CURRICULUM VITAE* , click here

My skills focus on sustainable plant production and agroecology. I am trained in experimentation and agricultural surveys, passionate about the field and I have a strong interest in crop modeling. Able to deal with different themes at scales ranging from the plant to the territory with a "cropping system" preference. I am also interested in issues of resilience and adaptation to climate change.

PROFESSIONAL EXPERIENCE

Nov. 2020 - Nov. 2021 (13 month temporary contract)	**Mixed Research Unit SAS 1069** - Rennes (35) Project : Design and *ex ante* assessment of diversified cropping systems to increase the provision of ecosystem services of interest in a crop-livestock region. ▪ Bibliography and conceptual modeling of the effects of diversified cropping systems on ecosystem services ▪ Co-design of diversified cropping systems with local actors ▪ Simulations using the APSIM model
Apr. 2020 - Sep. 2020 (6 month internship)	**Mixed Research Unit AGIR 1248** - Toulouse (31) Subject : Multi-criteria assessment of climate change adaptation scenarios for the sunflower crop Project : ACCAF-OPERATE (crOP disEase Response to climATE change adaptation) ▪ Development of simple epidemiological models for sunflower diseases ▪ Simulation of risk trends according to adaptation strategies under future climate ▪ Multi-criteria assessment (production, environment and health risk) of strategies
Jan. 2020 (collective internship)	**CIHEAM-IAMM / QUALISOL cooperative** - Tarn-et-Garonne (82) Subject : Assessment of phytosanitary practices and economic performance of farms in the Tarn-et-Garonne Project : GesPPEIR ▪ Survey on the use of phytosanitary products ▪ Introduction of the EToPhy tool and IRSA and IRTE risk indicators to local farmers
Feb. 2019 - Jul. 2019 (6 month internship)	**Technical Institute of Field Crops /** The **Higher National Agronomic School** - Algiers Subject : Effects of the chickpea-durum wheat intercropping on water and nitrogen use efficiency Project : ARIMNet2-SEMIARID (Sustainable and Efficient Mediterranean farming systems: Improving Agriculture Resilience through Irrigation and Diversification) ▪ Design, installation and monitoring of a multi-site experiment ▪ Sampling and laboratory analyzes (nitrogen in the soil and plants, protein dosage, etc.) ▪ Statistical analysis of data and preliminary simulations of the water balance

EDUCATIONAL BACKGROUND

2020	**Master 2 CIHEAM-IAM / Paul-Valéry University Montpellier III** - Montpellier (France) Mention **« Territorial management and local development »**, course **« Agricultural management and Territories »** Ranking: 1/15 students
2019	**Master 2** of the **Higher National Agronomic School (ENSA)** - Algiers (Algeria) Speciality **« Genetic resources and improvement of plant production »** Ranking: 1/19 students
2019	**Agronomy engineer** of the **Higher National Agronomic School (ENSA)** - Algiers (Algeria) Speciality **« Plant production and improvement »** Ranking: 2/19 students

KNOWLEDGE AND SKILLS

Programming languages

- R ●●●○○ (in progress)
- C# ●●○○○
- GAMS ●●○○○

Crop modeling

- APSIM ●●●●○
- STICS ●●●○○ (in progress)
- CropSyst ●●○○○

ModelBuilder (platform)

Statistics

- Statistica
- Tanagra
- R

Cartography

- QGIS
- ArcGIS
- R packages: sf, raster et Whitebox

Languages

- Anglais (B2.3 CEFR)
- French (bilingual)
- Arabic (native language)

Soft skills

- Autonomous, serious and responsible
- Scientific rigor, team spirit
- Learning and synthesis skills

OTHERS

- Grant for the Master GAT of CIHEAM-IAMM in 2019
- Representative of non-titular staff at the UMR SAS
- Driving license B (since 2013)

PUBLICATIONS

1. Kherif O, Seghouani M, Zemmouri B, **Bouhenache A**, Keskes MI, Yacer-Nazih R, Ouaret W, Latati M. Understanding the Response of Wheat-Chickpea Intercropping to Nitrogen Fertilization Using Agro-Ecological Competitive Indices under Contrasting Pedoclimatic Conditions. *Agronomy*. 2021; 11(6):1225. https://doi.org/10.3390/agronomy11061225
2. Kherif O, Seghouani M, Justes E, Plaza-Bonilla D, **Bouhenache A**, Zemmouri B, Dokukin P, Latati M. The first calibration of the STICS soil-crop model on chickpea-based intercropping system under Mediterranean conditions. *European Journal of Agronomy*. Manuscript under review.

CENTERS OF INTEREST

- Football, North African and Mediterranean cuisine, travel and long journeys.