Royaume du Maroc
Ministère l'Enseignement Supérieur, de la Recherche
Scientifique et de l'Innovation

MARRAKECH
جامعة القاضي عياض
UNIVERSITÉ CADI AYYAD

BIOMEnext

Call for Post-Doctoral Candidate (01), 2024
Faculty of Sciences and Technology/Faculty of Sciences Semlalia Marrakech
Cadi Ayyad University Marrakech

Title: Impact of bio-stimulants on olive tree growth and production under water stress.

This call for applications is part of a PRIMA BIOMEnext research project « Modelling integrated biodiversity-based next generation Mediterranean farming systems ».

The Post-Doct will be funded as part of this project for a period of 6 months.

Post Summary

The BIOMEnext Project Morocco side Post-Doc holding a PhD in agronomy or plant biotechnology and Environment or equivalent to join our team and participate in the development of our BIOMEnext project under the heading "Modelling integrated biodiversity-based next generation Mediterranean farming systems".

The Post-Doc conduct research, write reports and scientific papers in relation with the growth and yield of olive trees treated with biofertilisers/biostiumlants selected for their performance in increasing the tolerance of these crops to water stress under semi-controlled conditions and that of the open field.

As such, Post-Doc will develop research project tackling all aspects related to crop production testing and developing solutions and best practices to improve olive tree productivity under water stress.

Post-Doc Responsibilities

- Conduct controlled trials under greenhouse conditions testing crop responses to different investigated factors.
- Field preparation and establishment of field trials under different soil and climate conditions to improve yield and quality of olive trees.
- A good understanding and knowledge of biofertilizers/biostimulants and their mode of action to improve crop yields under water and salt stress.
- Data scheduling, collection, analysis, interpretation, and presentation.
- Supervise PhD and Master students.
- Report writing for research project.
- Manuscript writing and publication in referee journals.
- Maintain all field and laboratory equipment, order supplies as needed, and help maintain research plot records.

Qualifications and particularities of the Post Doc

Royaume du Maroc
Ministère l'Enseignement Supérieur, de la Recherche
Scientifique et de l'Innovation

- Ph.D. in agricultural sciences, plant biotechnology and environment, agronomy, crop science, plant and soil science, or a closely related field.
- Knowledge in drought and salinity management.
- Understanding soil components and key factors affecting plant growth and yield, including analysis of enzymatic and non-enzymatic markers in plants.
- Ability to prepare and produce biostimulants (multiplication of arbuscular mycorrhizal fungi, isolation of plant growth-promoting rhizobacteria and preparation of organic amendments and assessment of their quality).
- Optimizing crop yields through the use of adapted biostimulants and crop production under abiotic stress.
- Ability to manage water and mineral requirements of the olive tree and multi-skilling in key areas of agronomic research.
- Ability to understand crop and soil modelling and statistical softwares and data analysis.
- Good publications record in refereed journals and ability to publish scientific manuscripts with high-impact.
- Fluency in written and spoken English.
- Experience in working as a member of a multi-disciplinary team and excellent team spirit with proven ability to innovate.

Application procedure:

Applications must be sent using a single electronic zipped folder with the mention of the Post Doc title and the name of the candidate. The folder must contain:
- Request for application
- A detailed CV.
- A synthetic presentation of your background, research works, projects and activities, publications and or patents, key achievements.
- Copy of certificates from baccalaureate to master's degree, showing grades and mentions obtained.
- Legalised copy of PhD diploma.
- 2 to 3 references letters

All documents should be sent before 20 February 2024 to:
- Prof. Er-Raki Salah : s.erraki@gmail.com / s.erraki@uca.ma
- Prof. Meddich Abdelilah: a.meddich@uca.ma/ meddichabdelilah@yahoo.fr

The selection process will consist of two stages:
- Stage 1: Pre-selection on the basis of an application file
- Stage 2: Oral interview.