



**HANDS-ON TRAINING ON  
A USER-FRIENDLY  
APPLICATION FOR SMALL-  
HOLDER WOMEN FARMERS  
FOR THE DETECTION OF  
PLANT DISORDERS**

**WHEN**  
18—20 October  
2022

**WHERE**  
Tunis



**UNIVERSITAT DE  
BARCELONA**



# Agenda

18–20 October 2022

Time	Activity
09:00-10:30	<p>Introductory Session</p> <ul style="list-style-type: none"><li>⇒ Welcome address, <b>Dr. Augusto Becerra Lopez-Lavalle</b>, Chief Scientist, ICBA</li><li>⇒ Introduction to the project, <b>Dr. Henda Mahmoudi</b>, Plant Physiologist, Project Leader, ICBA</li><li>⇒ Importance of AI in agriculture, <b>Dr. Sumitha Thushar</b>, Post-Doctoral Fellow, ICBA</li><li>⇒ AI tools for future agriculture, <b>Ms. Amna Abdulnoor Aljanaahi</b>, Project Consultant, ICBA</li><li>⇒ Role of women in farming in Egypt, <b>Dr. Marwa Hassine</b>, Project Consultant, INAT, Tunisia</li><li>⇒ Capacity development activities of the project, <b>Mr. Ghazi Al-Jabri</b>, Capacity Development Specialist, ICBA</li></ul>
10:30-11:00	⇒ Group photo and coffee break
11:00-14:00	⇒ Hands-on field training, <b>All trainers</b>
14:00-15:00	⇒ Break
15:00-16:00	⇒ Evaluation, <b>Mr. Ghazi Al-Jabri</b> , Capacity Development Specialist, ICBA

## Background

Annual crop losses due to pests and diseases range between 20% and 40%, undermining rural livelihoods and national economies.

The International Center for Biosaline Agriculture (ICBA), in partnership with the University of Barcelona (UB), are developing a user-friendly application for smartphones that smallholder farmers can use to identify and address diseases and nutritional disorders in their crops, and thus minimize their yield losses. Intelligent systems can help farmers make prompt *in-situ* diagnoses and facilitate effective response. The project targets farmers in four countries of the Middle East and North Africa (MENA) region where ICBA has ongoing projects, including Egypt, Morocco, Tunisia, and the UAE. Later, the application will be rolled out in other countries where ICBA operates and beyond.

This workshop will provide insights and hands-on training on applied food security. It is designed for women farmers and extension staff in Tunisia.

[www.biosaline.org](http://www.biosaline.org)