

# AROMATIC AND MEDICINAL PLANTS VALORIZATION IN AGROECOLOGY

Student: HALMOUNE Asma

Supervisor: Pr. El Rhaffari L.

Moulay Ismail University-Faculty of Sciences Meknès

## Introduction

Morocco is currently experiencing a renewed interest in agroecological transition in the various sectors of agricultural production. However, this agroecological movement has not been developed as part of agricultural policies. This is justified by the lack of rewarding and exploitable scientific and technical results for the development of chemical input alternatives. On the other hand, Morocco has significant potential for aromatic and medicinal plants that can be exploited in agroecological approach.

The present research project is part of an approach to the valorization/exploitation of plant resources (aromatic and medicinal plants) and their extracts in this perspective

## Objectives

### Overall objective

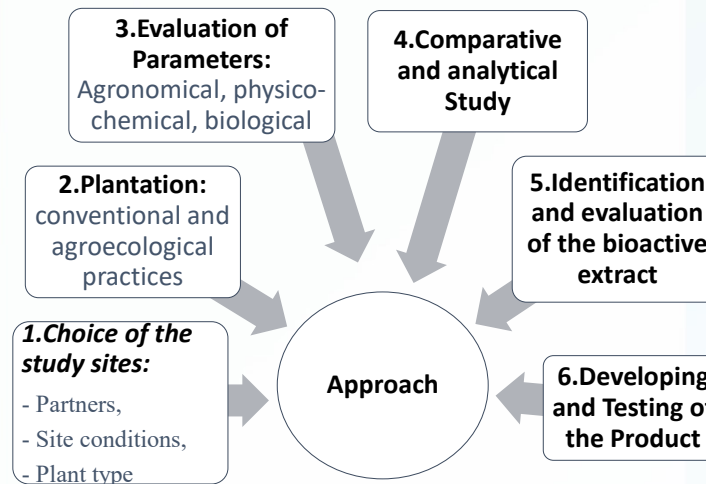
The overall aim of this project is to prospect and cultivate plants from the Fez Meknes region, studying their extracts for their compositions, biological property and potential interests in agroecology.

### Specific objectives

1. Plant prospection;
2. Plant cultivation: conventional and agroecological approach
3. Phytochemical, biological and ethnopharmacological studies of wild and cultivated plants;
4. Testing and evaluating of plants and their extracts in agroecological practices;
5. Evaluation of products derived from plant extracts as alternatives to chemical inputs;
6. Technical, socio-economic, health and environmental studies of bioactive products

## Methodology

1. Bibliographical study of aromatic and medicinal plants of the region
2. Elaboration of Monograph of potential plants;
3. Germplasm collection
4. Plant cultivation according to the agroecological approach ;
5. Phytochemical, biological and ethnopharmacological studies of wild and cultivated plants;
6. Comparative analyses of study results;
7. Development and testing of herbal extract products



## Preliminary work

1. List of aromatic and medicinal plants prospected;
2. Bibliographical study of aromatic and medicinal plants identified;
3. Sites and partners identified;
4. Sites of cultivation identified;
5. Germplasm collection launched;
6. Preparing plan of cultivation

## Expected Outcomes

1. Monograph and Valorization of aromatic and medicinal plants from Fez-Meknes region
2. Cultivation and development of wild aromatic and medicinal plants in agroecological approach;
3. Development of bioactive products from plant extracts;
4. Dissemination of results

### Contact Information

Student: Halmoune Asma. Email: [asma.halmoune@gmail.com](mailto:asma.halmoune@gmail.com). Tél. +2126415386

Supervisor: Pr. El Rhaffari L. Email: [elrhaffari@yahoo.fr](mailto:elrhaffari@yahoo.fr). Tél. +212661503145

Equipe de Recherche: Gestion et valorisation des ressources naturelle.

CC-PAM, Equipe P6, CUI-UMI

Moulay Ismail University. Faculty of Science