

Plant Biodiversity in Jordan

The working team including researchers from Jordan and Tunisia:

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Summary:

The plant biodiversity project in Jordan concerned with studying the wild flowering plants and in Jordan, with regards to their identification, habitats, and geographical and distribution; as well as studying the medicinal plants with regard to diversity, experimental tests with regards to the effects of the plant extracts on the biological activity on living organisms.

This project concentrated on finding different ways to protect the plant species in Jordan, especially the rare, endangered, endemic and medicinal species in Jordan, ways and methods to protect and conserve by using the non classical methods such as the tissue culture techniques with special emphasis on the rare, endangered, endemic and medicinal plants such as *Iris*, *Sternbergia*, *Globularia*, *Thymus* and others.

Introduction:

The plant biodiversity project is concerned with studying the wild flowering plants in Jordan, including the medicinal plants, their uses and adaptation to different environmental conditions especially the desert, from physiological and anatomical aspects and the effect of plant extract on the biological activities of the different living organisms.

Working plan:

- Field trips, collection of plants from all Jordan.
- Lab work.
- Writing the results.
- Publishing the results in referred journals.

Objectives:

The project aims at studying the wild flowering plants in Jordan regarding the following aspects:

- To assess the status of plant biodiversity in Jordan in terms of its species diversity for the wild vascular herbs, bushes and trees.
- To conduct scientific research on wild plants in the Jordanian ecosystems related to its different potentials: phytochemicals, medicinal, poisonous, edible etc.
- To test the different plant extracts for its potentiality or capability to inhibit plant and animal tumors, in addition to that to test the plant extracts on different animal physiological activities or its activity on microorganism.