



People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
Echahid Hamma Lakhdar University- El Oued-
Faculty of Life and Natural Sciences
Department of Biology



In collaboration with

Laboratory of Biology, Environment and Health

Organizes

International Conference on: Valuation of Alternative Plants and Degraded and Marginal Lands



**(VAPDML) 2022
11 May 2022**

Webinar par FCC



Problematic:

Due to climate change, lack of natural resources, water scarcity and increasing population with excessive investment, research and innovation are the key to addressing the growing demand for food, ensuring water security and saving natural resources for generations. However, it is necessary to seek alternative methods due to the basic grain crops' failure to withstand the rising level of salinity and water scarcity, as indicated by the World Food Organization projections. Namely, a 70% shortfall in the food supply, with a 25% decline in crop production due to climate change, water scarcity and soil salinization (especially in dry and semi-dry areas). Consequently, it has been demonstrated that there is an urgent need to develop alternative crops such as quinoa, colza, triticale, as well as achieve sustainable agricultural productivity in areas where major crops fail or produce little in addition to marginal lands. In the areas where these crops enhance both productivity and income, quinoa can play an extensive role in achieving food security, fighting malnutrition and water supply thanks to its high nutritional value and comprehensive ability to adapt to salt and water stresses. Realizing this prospect, with the percentage of marginal lands, 60% of which are large areas of saline, alongside the degraded saline lands, which amount to 78% of agricultural lands, especially in developing countries, where dry and semi-arid areas prevail the first international forum was proposed to value alternative plants and degraded and marginal lands. Given the limited abundance of information

on agricultural practices for saline crops and genetic materials, the international conference

Aims:

- To bring together leading scientists, practitioners and decision-makers from the public and private sectors to facilitate innovation and technology transfer
- To develop strategies for sustainable agriculture and higher food security
- To design alternative agricultural production systems
- Research sustainable use of marginal land and water
- Explore opportunities for cooperation between the public and private sectors
- View the latest developments in research on quinoa, including production and trade around the world
- Highlight quinoa uses and niche market opportunities
- Connect young professionals with experienced professionals
 - Open appropriate marketing channels where agricultural communities can sell their products

Themes:

- A. Valuation of alternative plants
- B. Reclaim degraded and marginal lands
- C. Irrigation water and alternative sources
- D. The development of quinoa cultivation, its environment, characteristics, uses and diversity
- E. Conservation & development of biodiversity in biosaline agriculture

Important dates :

Abstract submission : 14/04/2022
Communications acceptance : 25/04/2022
Program announcement: 05/05/2022

Submission:

The participation application will be done through the following link: :

<https://cvapdml-2022.sciencesconf.org>

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