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OBJECTIVES OF THE SEMINAR

While herbal medicine is gaining significant global attention, it cannot merely be regarded as a trend. Our era is profoundly influenced by the pursuit of a healthier lifestyle, a return to nature, and essential values. However, the success of phytotherapy is largely due to the level of technical and scientific mastery achieved in this field. Advancements in agronomy, chemistry, and pharmacology have allowed for the development of safer, more suitable, and effective therapeutic and galenic forms.

Algeria, with its diverse climate, soils, and geology, boasts a particularly rich flora of medicinal and aromatic plants. Traditional medicine remains widely practiced, with several herbal remedies, either individually or in combination, recommended for treating illnesses. The work of ethnopharmacologists highlights the growing success of ancient pharmacopoeias as part of a global "green wave," emerging as an alternative to chemical medicine. This approach has also been embraced by the pharmaceutical industry for the extraction of active principles from medicinal plants, providing a foundation for innovation in the development of new medicines. This method not only accelerates research and development but also ensures that these plant-derived medicines are administered in forms that optimize efficacy while minimizing the side effects often associated with synthetic medications.

Plant-based medicines are composed of a "complex" of molecules derived from one or more plant species. Today, various galenic forms—some more innovative than others—are available, making the traditional infusion seem somewhat outdated. However, changes in these forms can sometimes alter their effect on metabolism or the bioavailability of active principles. Thanks to modern manufacturing and analytical techniques, alongside interdisciplinary collaboration, phytotherapy is poised for brilliant progression.

This scientific meeting aims to promote biomolecules derived from medicinal plants and their application in biological, pharmacological, and pharmaceutical fields.

ORGANIZING COMMITTEE

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TOPICS

Topic 1 :

Applications of biomolecules in the pharmaceutical industry.

Topic 2 :

Biological and pharmacological valorization of biomolecules in health.

Topic 3 :

Biomolecules in nutrition.

Topic 4:

Innovations in biomolecules and nanotechnology.

Topic 5 :

Role of biomolecules in addressing antibiotic resistance.

PROGRAMS

The seminar will focus on the following scientific activities :

- Conferences **(20 minutes)**
- Oral communications **(10 minutes)**
- Poster presentations **(10 minutes)**

CONTACT INFORMATION :

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