



### Eligible participants

- Officials and decision makers.
- International related institutions.
- Companies and manufacturers interested in research and development of natural products.
- Exporters of MAPs.
- Researchers with interest in natural products.
- Post graduate and undergraduate university students.
- Sudanese Standards and Metrology Organization.
- Drug factories, Ministry of Industry, Ministry of Agriculture, Ministry of Health.
- Civil society organizations relevant to the field.

### Terms of Participation

- Adherence to the generally accepted terms and regulations adopted in scientific research.
- Compliance with terms and regulations of the conference.
- Research paper has not been previously published or presented on conferences.
- Submitted research will be subjected to scientific arbitration by the Scientific Committee.
- Participants should send paper abstracts accompanied by brief C.V.
- The abstract should be maximum of (300) words.
- Following abstract acceptance, full paper should be submitted in Arabic or English.
- The research should be e-mailed in Microsoft Word Document format.
- Arabic research papers should be submitted in font type (Traditional Arabic),

Size (14).

- English research papers should be submitted in font type (Times New Roman), size (14).
- Research paper should not exceed 10 pages including figures, tables and appendices.
- References should be written in Harvard style.
- Conference languages are Arabic or English.

### Types of participation

Could be by one or more of the following ways:

- Full scientific paper.
- Scientific research poster.
- Exhibition related to the conference's themes.
- Accepted participations could be presented in person or virtually.

### Important dates

- Abstract submission deadline (Papers and posters): 17 October 2022
- Notification of paper acceptance: 1 November 2022
- Full paper submission deadline : 12 November 2022

### Important notes:

- Accepted abstracts will be published in the conference book of abstracts.
- Papers will be published in a special issue of "Albuhuth Journal" in the website of National Center for Research according to terms and conditions of the journal (optional).



## Ministry of Higher Education and Scientific Research National Center for Research

المؤتمر العلمي الحادي عشر للمركز القومي للبحوث



11<sup>th</sup> Scientific Conference of NCR



## 11<sup>th</sup> International Scientific Conference

Under the slogan:

**Medicinal and Aromatic Plants; Promising Investment Opportunities  
for Sustainable Development and Herbal Drug Industry  
Domestication**

12-14 December 2022

**Venue: Grand Conference Hall, Ministry of Higher Education and  
Scientific Research  
- Khartoum, Sudan -**

Official website of NCR: <https://ncr.gov.sd>

Conference contacts:

Conference Email: [mapsc2022@gmail.com](mailto:mapsc2022@gmail.com)

Scientific Committee: +249 126889517 / +249 991973023

## Introduction

The National Center for Research (NCR) used to organize a biennial scientific conferences discussing many issues, as per its mandate, related to development. Since 1993, the NCR managed to organize 10 scientific conferences on different research disciplines which received national, regional and international participation with distinguished scientific outcomes aimed at economic growth and the welfare of societies. Sudan is considered as one of the rich countries in medicinal and aromatic plants owing to its unique environmental diversity, availability of rich traditional knowledge and distinguished scientific research, which enables it to domesticate the herbal drug industry and support the national economy. Therefore, NCR has dedicated its 11th international conference to explore the natural wealth of the medicinal plant, to encourage and support investment and to set a future research agenda on medicinal plants studies in Sudan.



## Conference Objectives:

- To highlight the economic importance of natural wealth and plant biodiversity.
- To explore new scientific advancement and developments in MAPs.
- To encourage innovation, investment in production and manufacture of MAPs.
- To introduce and discuss existing policies, legislation and laws regulating trading of MAPs.
- To Develop and enhance community knowledge and awareness related to the use and handling of MAPs.
- To Strengthen and establish national and international partnerships and sustainable development in MAPs.



## Conference themes:

### 1. Plants biodiversity:

- Wild, Forest, aquatic medicinal and aromatic plants.
- Cultivated medicinal and aromatic plants.
- Application models.

### 2. Emerging issues in biological activity:

- Antimicrobial activity of plants.
- Plants with potential activity against Covid-19.
- Biotechnology research.
- Anti-oxidants.
- Agricultural production inputs (pesticides, fertilizers, growth promoters).
- Applications (cosmetics, dietary supplements).

### 3. Investments and innovation in production and manufacturing of MAPs:

- Development of value chain for MAPs.
- Production of cosmetics, detergents and sterilizers from essential oils.
- Entrepreneurship (Research & Development) and technology transfer.
- Commerce and trade of MAPs.
- Technological incubators.

### 4. Policies, laws and regulations in The Sudan regarding MAPs:

- MAPs handling regulation in Sudan (pharmacy department, finance, investment, herbalists).
- Regulations and laws governing clinical trials.
- Intellectual property rights.
- Success stories in similar countries.
- Quality control, standardization and safety.



### 5. Indigenous knowledge of medicinal and aromatic plants:

- Domestic uses of MAPs.
- Herbalists and electronic mapping.
- Folkloric uses.
- Intellectual property rights.

### 6. Partnerships Building:

- International Partnerships (Universities, Research Institutes e.g. ICGEB, ICCBS...etc).
- National partnerships.

### 7. Herbal drug industry:

- Basics of drug industry.
- Pharmaceutical formulations.
- Domestication of drug industry in The Sudan.
- Equipment and infrastructure required for pharmaceutical manufacturing.
- Experiences in production and manufacturing of drugs from plants.

