

## PRINCIPAL THEME

**Biodiversity versus biotechnology: supporting humanity and ecosystem needs by wise use of biological resources to maintain ecosystem integrity**

### SUB-THEMES

1. Marine and freshwater ecosystems: Fisheries stock management - Overfishing- Aquaculture - Breeding and reproduction- Protected areas.
2. Integrity of trophic food chains: Micro-organisms – Flora & fauna interactions – Entomological interactions
3. Ecosystems and specific spaces: Conservation of species habitats - Critical factors for species habitats - Defining boundaries for sustainable ecosystems - Invasive species – Role of ecology.
4. Restoration of natural/semi- natural ecosystems: Preserving ecosystem structure and function (including fragile/rare species- Habitat integrity (forests, wetlands, mountains, coastal zones, deserts) - Promotion of national parks and biological reserves.
5. Restoration of constructed ecosystems: Rehabilitation and development of zoos, exotic gardens - Informed landscape engineering and hydrology modifications to improve/create high value ecosystems - Mitigating climate change - Develop urban and peri-urban biodiversity.
6. Medicinal and aromatic plants: Honey plants and beekeeping development - Flowering plants and beekeeping, control insecticides - Poaching and illegal trade in wild species.
7. Biotechnology and phytochemistry: Agricultural wealth, population genetics- Genetic improvement of plants - Agronomy - New products, and zootechnics - Strategies for safeguarding endangered species - Strengthening regulations for species habitats - Monitoring environmental exceedance limits – Management & enforcement policies. Minimizing waste issues.
8. Pollution : Ecotoxicology – Parasitology & integrated biological control - Monitoring of chemical and particulate pollutants - Contamination of plants and animal communities. Public health and regulation of pollution : Assessing water, land, and air pollution impacts – Environment industrial interactions - Petroleum and persistent organic pollutants effects on environmental systems.
9. Crisis management to support decision makers: Natural disasters, red tides and fish deaths, floods, dust storms.
10. Environmental pollution : Assessing interactions and monitoring changes in marine, land and air environments, Measuring negative impacts on these environmental ecosystems and their various components – Recognition climate change affects.
11. Remote sensing, GIS and data analytics: Use of remote sensing and GIS in mapping and monitoring- of-Water quality modelling - Machine learning and advanced data analytics for marine resources - Sustainable management - Aquaculture and agriculture management.

## PREAMBLE

The **Seventh International Meeting on Biodiversity and Biotechnology** will be held digitally in Kuwait (**Kuwait Institute for scientific Research**), offers certainty, to fulfill its central role in bringing together researchers, professors, doctoral students, engineers and decision-makers in order to forge exchanges of know-how and partnerships that facilitate innovation and breakthroughs in plant and animal health, agriculture and in the food industry.

Through the pandemic and the digital switchover, this meeting fulfills its mission for the biodiversity and biotechnology sector to connect the international community of life sciences, and gives the possibility of associating, remotely and in complete safety, over two days, **from May 29 to 30, 2022**.

Workshops, panels and company presentations, as well as offers from companies and sponsors will be available on demand up to 3 weeks before the event, as well as live sessions throughout the event.

The modern platform is also now more powerful than ever. With **ONLY ONE** connection, the entire event of accessible scheduled meetings will take place during the live conference with unique links to a secure video conferencing so facilitating actions and solutions. Participants can connect and chat with speakers and decision makers in a variety of different chat rooms.

## OVERALL OBJECTIVES

**In its widest sense, biotechnology can include modern agriculture and food production, pharmaceuticals, utilization of waste, surveillance, and management of ecosystems. Appropriate environmental management and wise use of biotechnology can promote species diversity and help ensure sustainability of ecosystem services. The forum will stimulate and enrich the dialogue between scientists in the fields of biodiversity and biotechnology and inform decision-makers about the measures needed to enhance biodiversity, through adopting policies of protecting vulnerable species, their habitats and ecosystem services.**



**Kuwait Institute for scientific Research - KUWAIT**  
<https://www.kisr.edu.kw/en/discover-kisr/about-us/>

**Organize**

**THE**

**7<sup>TH</sup> INTERNATIONAL MEETING OF  
BIODIVERSITY AND BIOTECHNOLOGY – CIBB7- 2022**

**THEME**

**Biodiversity versus biotechnology : supporting humanity and ecosystem needs by wise use of biological resources to maintain ecosystem integrity**

**29 –30 May, 2022**

**CALL FOR PAPERS & SUBSCRIBE**

**Dates to remember**

**April 10, 2022: Deadline for receipt of abstracts**

**April 30, 2022: Notification of acceptance of the communications**

**May 10, 2022: Final registration and program**

## REGISTRATION FEES

The registration fees for the congress are € 120. This amount covers the costs of setting up the internet platform and its maintenance for 3 days, in the event of technical breakdowns.

Each registration entitles to a maximum of two communications, one of which must be a poster.

Participants could publish their scientific work in one of the journals proposed in this leaflet, after evaluation of each article by two referees appointed by the journal editor. All the publications are free of charge.

## ORGANIZING COMMITTEE

### CHAIRMAN

Dr Manie Sediraoui, General Director, KISR, Salmiya, Kuwait

### Members

Mohammad ALI, Kuwait Institute for Scientific Research, Salmiya, Kuwait  
Anne-Sophie CHANTRY, Radiopharmacie, CERIMED, La Timone Marseille  
Roger FLOWER, University College London, WC1E 6BT, London, UK  
Ali Banaoui, Faculté des Sciences, Université Ibnou Zohr Agadir, Morocco  
Ahmed ERRHIF, Faculté des sciences Ain Chock, Casablanca, Morocco  
Ali Faouzi GARGOURI, Centre de Biotechnologie de Sfax, Tunisia  
Fairouz HADDADJ, ENSV, Alger, Algérie  
René LAFONT, Editeur, Société Zoologique de France, Paris - France  
Riadh MOULAÏ, University Abderrahmane Mira of Béjaia, Algeria  
Khadija OUNIFI-BENAMOR, Faculté Sci. Tunis, Tunis El Manar, Tunisia  
Mouna RIFI, Institut National Agronomique de Tunisie, Tunis  
Amina SMAÏ, ENSV, Alger, Algeria  
Souaad SMAÏ, Faculté des Sciences Biologiques, USTHB, Alger, Algeria  
Boutheina STITI, National Research Institute of rural Engineering,  
Water & Forests, Ariana, Tunisia  
Mohamed Ramdani, Faculté Sciences, Université Med 1<sup>er</sup> Oujda, Morocco

### CONTACT ADDRESS

[Biodiversitykuwait@cibb7-2022.com](mailto:Biodiversitykuwait@cibb7-2022.com)

## Website

[www.cibb7-2022.com](http://www.cibb7-2022.com)

## SCIENTIFIC COMMITTEE

Mohammad ALI, Kuwait Institute for Scientific Research, Salmiya, Kuwait  
Mahmoud Hussin AHMED, Narss, Cairo, Egypt  
Ramadan A. S. ALI, Zoology, Fac.Sci , O. ALMukhtar Unvers, Al Beida-Libya  
Fouzja AMIRECHE, ENSV, Alger, Algérie  
Habib AYADI, Faculté des Sciences de Sfax, Tunisie  
Ali Banaoui, Université Ibnou Zohr, Faculté Sciences Agadir, Maroc  
Ibtissem BENAMARA, Higher Institute of Biotechnology of Sfax, Tunisia  
Wafa BENCHALEL, Université Badji Mokhtar d'Annaba, Algérie  
Ferdinando BOERO, Dipartimento de Biologia, University of Naples, Italy  
Charles François BOUDOURESQUE, Mediterranean Inst. Oceanography, Marseille  
Toufik CHEDADI, Faculté des Sciences & Techniques, Beni Mellal, Maroc  
Hamida Saida CHERIF, Université de Blida 1, Blida, Algérie  
Mounia CHERKI, Faculté des Sciences Ain Chock, Casablanca, Maroc  
Fayçal CHAHROUR, Faculté des Sciences, Université d'Oran 1, Algérie  
Lassaad CHOUBA, INSTM, Port de pêche La Goulette, Tunis, Tunisie.  
Françoise DENIS, Mus. Nat. Hist. Nat., Université Le Mans, France  
Saliha DERMECHE, Faculté Sciences, Université d'Oran 1, Algérie  
Khaled ETAYEB, Zoology Department, University of Tripoli, Libye  
Dhia GHARABI SEDDIKI, Université Ibn Khaldoun, Tiaret , Algérie  
Samia GHOMARI, Fac. Sci. Nat & Vie, Univ Djillali Liabes, SBA - Algérie  
Wassim GUERMAZI, Faculté des Sciences de Sfax - Tunisie  
Fairouz HADDADJ, ENSV, Alger, Algérie  
Sihem HADDADJ, INPV, Alger, Algérie  
Abdellah ICHEN, Faculté Sciences Université Mohamed V de Rabat, Maroc  
Mohamed Azzedine IDDER, Université Kasdi Merbah – Ouargla-Algérie  
Arash Javanshir, Natural ressources Faculty, University of Teheran, Iran  
Ahmed KHADRAJI, Faculté Sciences & Techniques Gueliz Marrakech, Maroc  
Thininam KHEDIM, Faculté Sciences Biologiques, USTHB, Alger, Algérie  
Ourida KHERBOUCHE, Faculté Sciences Biologiques, USTHB, Alger, Algérie  
Mejdeddine KRAIEM, INSTM, Tunis, Tunisie  
Abdelkader LOUNACI, Université Mouloud Maammri, Tizi Ouzou, Algérie  
Mostafa KABINE, Faculté des Sciences Ain Chock, Univers. de Casablanca  
Mohamed MONCEF, Fac. Sci., Univers. Chouaib Doukkali El Jadida, Maroc  
Nizar MOUJAHED, EARR Unit, National Agronomic Institute of Tunisia  
Riadh MOULAÏ, FSNV, Université de Béjaia, Algérie  
Khadija OUNIFI-BENAMOR, Faculté Sciences Tunis, Univ. Tunis El Manar  
Rathinam Raja, R&D, SBMCH - BIHER, Chennai, India.  
Chafika REBZANI, Faculté Sciences Biologiques, USTHB, Alger,  
Mouna RIFI, Institut National Agronomique de Tunisie, Tunis  
Esmail A. SHAKMAN, Zoology department - Tripoli University – Libya  
Jamila SIF, Fac. Sciences, Univ. Chouaib Doukkali, El Jadida, Maroc  
Patrick SCAPS, Labo. Biologie Animale, Univ. Sci. & Technol. Lille, France  
Zeinebou Ment SIDOUMOU, Université de Nouakchott, Mauritanie  
Amina SMAÏ, ENSV, Alger, Algérie  
Souaad SMAÏ, Faculté des sciences Biologiques, USTHB, Alger, Algérie  
Noureddine SOLTANI, Université Badji Mokhtar, Annaba, Algérie  
Aboubakr Ibrahim SOUIHLI, Zoology, University of Tripoli, Libya  
Tarek TEMRAZ, Canal Suez University, Egypt  
Safia ZENIA, ENSV, Alger, Algérie

## ABSTRACTS

**Submitted research work must be unpublished and conform to the themes of the congress (see theme and sub-themes).**

**Summaries must be presented in Arial 12, single-spaced. Do not write anything in capitals (except the names of the authors).**

**Title, lowercase, centered, bold.**

**Author (s): full affiliation of the authors (names and surnames, address of the institutions and emails of all the co-authors).**

**For doctoral students: The names of supervisors and promoters are compulsory.**

**The name of the main author in bold and underlined.**

**Text. The number of characters: 2500 - 4000.  
A maximum of five keywords.**

**The summary must imperatively specify a clear methodology and results.**

**Languages: English, French, and Arabic**

## PUBLICATIONS

**Participants could publish their papers in:**

- 1- Annals of the SNH >>> [LINK](#)**
- 2- Bulletin de la Société zoologique de France >>> [LINK](#)**
- 3- Botanica Marina**
- 4- Indian Environment Society >>> [LINK](#)**