

"The great book that is always open and that you have to make the effort to read is that of Nature."

Antoni Gaudí i Cornet (1852 – 1926)

INTRODUCTION

We live in a historical phase of development of humanity and its civilization presents extraordinary moments, with a series of processes such as complex and incommensurable dynamics. However, the Anthropocene era also faces dynamics that generate uncertainty and complexity, threatening the durability of the current postmodern civilization. War conflicts, financial crises, environmental disasters and pandemics are some of the challenges that endanger our inter- and intragenerational stability as a *Homo sapiens sapiens* species and with the other species with which it has been co-evolving.

To address these challenges, the proposal of a biomimetic postmodern society arises, which seeks to regenerate, renaturalize and have resilience with anthropogenic environments, living in symbiotic harmony with the components of Nature.

Recognizing it as a subject of law, avoiding the extinction of the human species and continuing co-evolution with other species in the Biosphere. The aim is to establish an ecological civilization based on "Good Living", peaceful coexistence and symbiosis with Nature Symbiotic interaction, as resilient, manifests itself in diverse cultures and built environmental systems. It is essential to recognize the integral part with Nature and understand the function as mediators for knowledge of the cosmos.

Although some knowledge has been achieved about the cosmos and its forces, there is still much to discover to protect the biotic and abiotic components of Nature and fully understand our reality.

Despite the challenges, advancement in science and technology provides exciting opportunities with infinite horizons of exploration for intelligent knowledge. However, it is crucial to manage this knowledge properly and address the constant threat of destructive conflict to preserve existence and life as we know it. Through the exploration and protection of the environment, we can continue advancing in knowledge

transdisciplinary on the origin of life, human evolution, and ensuring a sustainable future. advancing transdisciplinary knowledge about the origin of life, human evolution, and ensuring a sustainable future.



BACKGROUND

With the purpose of promoting a holistic science bioinspired by Nature, the NETWORK INTERNATIONAL, INTER-INSTITUTIONAL AND INTER-UNIVERSITY IN STUDIES ON BIOMIMESIS RI3BIOMIMICRY NETWORK have held Three International Symposia on Biomimesis:

- ÿ Leticia (2017, Amazonas, Colombia),
- ÿ Cobija (2019, Pando, Bolivia) and
- ÿ Xalapa (2021, Vera Cruz, Mexico),

CALL

This year 2023, between November 22, 23 and 24, it will take place in the City of Barcelona Spain, the **IV International Biomimicry Symposium:**

"Biomimetics: Renewal in Harmony with Nature and Technoscience for a bioinspired Knowledge Economy and Society."

This great academic, technical, scientific and bioinspired arts event is organized by the International, Interuniversity and Interinstitutional Network of Studies on Biomimicry - RI3BIOMIMICRY NETWORK, and led and sponsored, on this occasion, by the Biomimetic Sciences Institute Foundation (BSI). / Biomimetic Sciences Institute (BSI), Catalonia, Spain. Having as organizational support the Veracruzana University of Mexico, the Externado University of Colombia, the Amassunu Association for Interculturality and Biomimicry, and the Institute of Economics Applied to Business of the University of the Basque Country/Euskal Herriko Unibertsitate (UPV/EHU).



TOPICS

In this IV edition, the thematic axes invite us to raise awareness in favor of sponsoring a natural revolution and with it a biomimetic renewal through the dissemination of a holistic and bioinspired science, aimed at implementing an economy and knowledge society in harmony with the Nature that helps build an ecological civilization that takes Nature as its model of inspiration.

The topics to be treated are:

	Biomimetic Philosophy and Rights of Nature. Topics such as ecology, eco-evolution, ecological economics and Nature as a Subject of Law.
***	Bioinspired disruptive cutting-edge sciences and technologies. They include bioinspired technologies from different areas of knowledge and especially those related to engineering and biology.
0	3. Bioinspired business entrepreneurship
()	4. Human health and neurosciences in harmony with Nature.
	5. Bioinspired agriculture
	6. Textiles bioinspirados
356	7. Bio-inspired Arts and Nature
	8. Bioinspired student research
900	9. Mixed Theme



IMPORTANT DATES

SUBMISSION OF ABSTRACTS IS OPEN

UNTIL October 15, 2023 until midnight in Spain
PUT THE LINK TO THE ABSTRACTS REGISTRATION FORM

ACCEPTANCE NOTIFICATION

FREE REGISTRATION FEE

Until November 10, 2023

DEADLINE FOR SUBMISSION OF COMPLETE WORK (MANUSCRIPT)
Until October 29, 2023 until 24 hours in Spain

PRESENTATION OF ABSTRACTS

SUMMARY TEMPLATE

PUT TEMPLATE TO DOWNLOAD WITH INSTRUCTIONS

SHIPPING BY EMAIL

coordinacion@redinternacionalbiomimesis.org

Please include the following information with your email submission:

• Your preference regarding the mode of presentation (oral or poster) • Your full name and title • Your affiliation • Your country • Email of the

presenting author. • TOPIC to consider for the presentation

SHIPPING THE LINE

PUT THE FORM



INSTRUCTIONS FOR PREPARING THE SUMMARY

ORAL PRESENTATION

General instructions:

- o GUEST TALK (30 minutes including questions)
- ORAL PRESENTATION (20 minutes including questions)
- o PLENARY CONFERENCE (45-50 minutes including questions)

We recommend that you arrive at least 10 minutes before the session begins, to familiarize yourself with the location, meet the session chair and co-chair, and upload your presentation.

Remember:

- o Introduce yourself, introduce the topic and inform your audience what you intend to talk about;
- o Give your talk, including methods, results and conclusions; o Summarize for your audience the most important points of your lecture; o Carefully consider the

time allotted for your presentation.

Please note that there will be no translation during the sessions, so please prepare and deliver your presentation in English. On-site technical support will be provided to facilitate and coordinate the smooth delivery of all oral presentations. Follow the guidelines below.

Preparing your presentation:

Laptops will be available in each room. Presentations must be in Microsoft PowerPoint or Adobe PDF format. Macintosh users who want to send presentations should export their presentation as an MS PowerPoint file or save it as a .pdf file.

The following file formats are supported: *.ppt, *.pps, *.pptx, *.ppsx, *.pdf.

Videos: Be sure to compress the video and embed it in the presentation if possible. It is best to check the functionality of the video well before the presentation.



VIRTUAL PARTICIPATIONS

All virtual contributions (oral or poster presentations) will be broadcast, during the conference, as a live broadcast.

If you are live streaming your talk, we will grant you "co-host" status for the duration of your talk, allowing you to share your screen, i.e. your presentation.

Make sure your equipment is working as intended. The ZOOM application allows you to pre-check the video and audio output, without having to be connected to the meeting room.

You will be able to see the virtual and in-person presentations through ZOOM.

For this to work, you must have ZOOM installed on your device (https://zoom.us/download), or alternatively, join meetings directly from your browser (https://support.zoom.us/hc/en us/articles/214629443-Zoom-Web-Client), if If you haven't used ZOOM before, please check these guides beforehand or email us if you have any questions or problems.

If you have any questions during the live/in-person talks, please wait until the end and you will have the opportunity to ask any questions, using your microphone or the ZOOM chat function.

Videos: Be sure to compress the video and embed it in the presentation if possible. It is best to check the functionality of the video well before the presentation.

Note the day and time of your oral session presentation.

Presentations must be prepared in Spanish.

Bring a copy of your presentation on a USB flash drive to the session room to upload to the computer provided for the presentation, at the start of the session or during the break before your talk.



PRESENTATION OF VIRTUAL PRESENTATIONS

Authors must create a short video of a maximum of 5 minutes, or send an accompanying explanatory text that will be used during the virtual poster session. The poster must be vertically oriented, A1 size and presented in pdf format.

Follow the POSTER TEMPLATE / see https://www.acexconference.com/abstract.html

. Send us your poster (with explanatory video .mp4 or text) until October 29, 2023, at 24 hours in Spain.

REGISTRATION FEE: There is no cost

Registration includes:

- access to the conference (talks, posters, questions, debates) via live and online streaming
- book of summaries (online version in PDF format)

Publication:

Complete works can be sent until October 29, 2023.

Please note that virtual and in-person presentations receive equal consideration for publication.

More details in:

https://redinternacionalbiomimesis.org/iv-simposio-internacional-de biomimesis-en-barcelona-espana/



PARTICIPATING INSTITUTIONS

ÿ CENTER FOR STUDIES AND EXPERIENCE IN BIOMIMETICS (CEEBIOS) (France): https://ceebios.com/



ÿ POLITECNICO DE TURIN (ITALY): https://www.polito.it/node/137



ÿ SETÚBAL POLYTECHNIC INSTITUTE (PORTUGAL): https://www.ips.pt



ÿ UNIVERSITY OF WAGENINGEN (HOLANDA): https://www.wur.nl/es.htm



ÿ UNIVERSITY OF CALIFORNIA RIVERSIDE (USA): https://www.ucr.edu/



ÿ LATROBE UNIVERSITY (AUSTRALIA): https://www.latrobe.edu.au/



ÿ INTERNATIONAL OBSERVATORY ON THE RIGHTS OF NATURE (Canada): https://observatoirenature.org/





ÿ HARMONY WITH NATURE, UNITED NATIONS ORGANIZATION (UN), (WASHINGTON, USA): http://www.harmonywithnatureun



ÿ UNITED NATIONS DEVELOPMENT PROGRAM (GENEVA): SWITZERLAND) https://www.undp.org/



ÿ BRAZILIAN AGRICULTURAL RESEARCH COMPANY (EMBRAPA), BRAZIL https://www.embrapa.br/





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"We are made of star matter" and "We are the means for the cosmos to know itself." Carl E. Sagan (1934-1996)



