

## Forum 4 Global Initiatives in Harmony with nature



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<b>Chair:</b>	Alvaro Gutierrez Rojas ( (Universidad Privada del Valle)	
20:00 - 20:04	Introduction to the forum	
Time	Speaker	Affiliation
20:05 - 20:15	Dr. Ana Elisa Alcántara Valladolid	Autonomous Mexico State University
20:16 - 20:22	Ling Xu	Future Green
20:23 - 20:34	Pei Tingting	Jinzhong College of Information
20:35 - 20:47	Di Xiaoying	Jinzhong College of Information
20:48 - 20:59	Yu Xi	Fudan University
21:00 - 21:05	Li Shuxuan	Jinzhong College of Information

Global initiatives in harmony with nature are of paramount importance as they recognize the interconnectedness of human well-being with the health of the planet. In the face of pressing environmental challenges, such as climate change, biodiversity loss, and ecosystem degradation, collaborative international efforts are essential. Initiatives that prioritize harmony with nature promote sustainable practices, conservation of natural resources, and the protection of biodiversity. By fostering a global mindset of stewardship, these initiatives encourage responsible consumption, the adoption of eco-friendly technologies, and the restoration of ecosystems. Embracing a harmonious relationship with nature not only safeguards the delicate balance of ecosystems but also contributes to the resilience of communities worldwide. Such initiatives recognize that the well-being of humanity is intricately linked to the health of the planet, emphasizing the need for collective action to ensure a sustainable and thriving future for both people and the natural world.

## The influence of biological interactions with the contamination of aquatic systems

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Dr. Ana Elisa Alcántara Valladolid  
Autonomous Mexico State University

#### Speaker 1

##### Abstract

explains the importance of biological interactions within contaminated aquatic systems an object of study of the families of fungi and bacter present of the cienega de Chimaliapan, State of Mexico. The purpose is to make known to the general public and to professionals related to the subject that, in order to make decisions of proposals on the treatment of water from contaminated water bodies, it is necessary to consider the correlation of the physicochemical parameters of water quality with microbial interactions. We announce that, for the cienega de Chimaliapan there is a temporality and microbial distribution according to the quality of the water, there are 12 bacterial families with correlation, being positive with the Enterobacteracea family and negative among between the Chromatiaceae and Xatomonadiaceae families with total nitrogen, and nitrates (respectively).



## Topic: Injecting "sustainable development" into every link of the industrial chain - taking Huaxi Biotechnology as an example

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Li Shuxuan  
Jinzhong College of information

#### Speaker 6

##### Abstract

Bloomage Biotech won the "2023 ESG Best Practice Case of Listed Companies" by the China Association of Public Companies. While practicing ESG, low-carbon and environmental protection measures, Bloomage Biotech has also been committed to promoting green manufacturing with technological innovation, replacing traditional animal extraction methods with hyaluronic acid microbial fermentation technology, and relying on synthetic biotechnology to obtain various substances. Relying on its own biotechnology advantages, it integrates green, low-carbon and environmental protection into all aspects of enterprise operation, such as manufacturing, enterprise management, culture and public welfare, to achieve sustainable development and contribute to ecological civilization and a better world.

