



CALL FOR PAPERS

ICAPEA 2023
Mar 11-12, 2023
Miami, USA

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICAPEA 2023 : International Conference on Artificial Photosynthesis for Engineering Applications is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Artificial Photosynthesis for Engineering Applications. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Artificial photosynthesis
Recent challenges in artificial photosynthesis
Molecular systems for artificial photosynthesis
Solar fuels and artificial photosynthesis
Possible advantages and disadvantages of artificial photosynthesis
Light-harvesting antenna
Hydrogen production
Oxygen evolution
Water splitting
CO₂ reduction
Advanced measurement and spectroscopy
Theoretical rationalization, design, and prediction
Science policy and education

Bioinspired systems
Electron transfer
Fundamentals of light capturing and conversion
Water oxidation catalysis
Proton and CO₂ reduction catalysis
Interfacing molecules and materials for photosynthesis
Complete cells for the generation of solar fuels
Molecular catalysts for artificial photosynthesis
Inorganic assembly catalysts for artificial photosynthesis
Integration of systems for demonstrating realistic devices
Quantum coherence in photosynthesis
Energy storage and transportation
New business models for energy generation