



CALL FOR PAPERS

ICAPBSEC 2021
Mar 11-12, 2021
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.

ICAPBSEC 2021 : International Conference on Artificial Photosynthesis and Biological Solar Energy Conversion is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Artificial Photosynthesis and Biological Solar Energy Conversion. 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:

Biological solar energy conversion
Photobioelectrochemistry, solar energy conversion and biofuel production
Approaches for biological and biomimetic energy conversion
Synthetic and biomimetic approaches for solar energy conversion
Advanced bio-photovoltaic devices for solar energy conversion
Renewable energy system by biological solar energy conversion
Energy conversion in natural and artificial photosynthesis
Photosynthesis and light-driven proton pumps
Photosynthetic carbon dioxide fixation
Capture and utilization of solar energy
Photohydrogen production in green algae
Hydrogen production by marine photosynthetic organisms

The mechanism of hydrogen photoevolution in photosynthetic organisms
Hydrogen photoproduction from water
The molecular mechanisms of photosynthetic hydrogen and oxygen production
Biological conversion of light energy into electrochemical potential
Synthesis of organic compounds from carbon dioxide
Photosynthesis and respiration in relation to productivity of crops
Regulation of products of photosynthesis by photorespiration and reduction of carbon
Nitrogen fixation and production of single cell protein
Fuel gas production from biomass via anaerobic fermentation
Application of solar energy bioconversion in developing countries
Biological constraints on seaweed culture
Bioengineering approaches and constraints

