

FUNDING OPPORTUNITY ANNOUNCEMENT (FOA) in CONVERTING SUNLIGHT INNOVATION CHALLENGE (IC#5)
Jointly by
DEPARTMENT OF BIOTECHNOLOGY & DEPARTMENT OF SCIENCE AND TECHNOLOGY

Mission Innovation (MI) is a global initiative of 23 countries and the European Union to accelerate the global clean energy innovation. India along with other countries is a member of all Mission Innovation (MI) challenges for clean energy development. Participating countries have committed to double their clean energy R&D investments over five years.

For details please visit website - www.mission-innovation.net

Member Countries of the Sunlight Innovation Challenge/ IC#5 under MI include Australia, Austria, Brazil, Canada, Chile, China, Denmark, European Union, Finland, France, Germany, Italy, Japan, Mexico, Netherlands, Norway, Saudi Arabia, Sweden, United Arab Emirates, United Kingdom and United States

OBJECTIVE: to discover affordable ways to convert sunlight into storable solar fuels and chemicals

THRUST AREAS

- Discovering electro catalysts for water splitting, H₂ production and CO₂ reduction
- Accelerating discovery/ understanding of photo-catalysts & photoactive materials for solar driven CO₂ reduction
- Design and engineering of devices for production of energy -rich chemicals
- Design and development of CAPEX & OPEX friendly bioreactor systems and materials
- Improved biomass processing operations as cell rupture, lipid extraction, biomass conversion
- Design & large-scale demonstration of cultivation systems
- Host engineering/strain improvement of micro algae & cyanobacteria for improved photosynthetic efficiency
- Biocatalyst improvement using synthetic biology for photo-bio electrochemical CO₂ reduction
- Process up-scaling and demonstration of technology in above systems
- Process economics and LCA studies for photo-catalysis, photo-electrochemical cells & photo-bio electrochemical CO₂ reduction

*Submission
closes on:
31st Aug 2018*

HOW TO APPLY Prescribed format for Letter of Intent (LoI) is available at www.mission-innovation-india.net/FOA
Email a soft copy (MS Word) to IC5@mission-innovation-india.net (Please mention MI-India-IC#5: Name of Principal Investigator/ Name of Institute in the subject line of the email) Please also copy email to Dr. Sangita Kasture, Department of Biotechnology, at sangita.kasture@nic.in and Dr. Ranjith Krishna Pai, Department of Science and Technology at ranjith.krishnapai@gov.in