



Indian Institute of Chemical Engineers

Dr. H. L. Roy Building, Jadavpur University Campus,
Raja S.C. Mullick Road, Kolkata - 700032



IChE - Call for Research Proposal – 2023

Sustainable Energy & Environment (SEE)

The Headquarters of Indian Institute of Chemical Engineers (IChE), Kolkata is encouraging young faculties of Chemical Engineering and/or allied disciplines from any AICTE/UGC recognized institutes and universities towards delivery of Science & Technology led-solutions for identified socio-economic challenges on Sustainable Energy & Environment (SEE). Innovative ideas in the form of proposal are invited under following identified sub-themes:

- A. Energy Transition & Decarbonisation;**
- B. Sustainable Energy Generation & Environment;**
- C. Hydrogen Energy and Fuel Cells (Solid oxidized fuel cells);**
- D. Solar Photovoltaic Cell and Solar Thermal Energy;**
- E. Biomass Energy;**
- F. Innovations in Energy-Measurement;**
- G. Policy Analysis & Interventions;**
- H. Technological Advancements & Alternatives Energy;**
- I. Waste to energy;**
- J. CO₂ reduction & sequestration;**
- K. Electrochemical reduction of CO₂**

The primary objective of this scheme is to extend a financial support to the young faculties for supporting their state-of-the-art and novel research work on sustainability development in the field of energy and environment.

ELIGIBILITY

Qualification of PI and Co-PI: PhD in Chemical Engineering/Bio-chemical Engineering/Polymer Technology/Chemical Technology/ Material Science & Engineering/Chemistry/Petrochemical Technology and other allied disciplines

Age: Less than 45 years of age on the date of submission of the application

Institution: Applicant should be in regular position with an Academic or R&D Institution with minimum 2 years of experience. The organization must agree to facilitate smooth execution of the project and provide necessary infrastructure / facilities for the project.

PI and Co-PI's should be a member of IChE

Up to Rs. 1,00,000/- (One Lakh) will be awarded for the five individual projects.

APPLICATION PROCESS

Applicants are required to submit a soft copy of the complete proposal through (<https://forms.gle/oF238HEE15cbSXvK8>) **on or before 15th March 2023**, in prescribed format available at the IChE website www.iiche.org.in. Project tenure shall be eighteen months only from the date of award.

For any clarifications relating to the submission of proposal, please contact:

The Assistant Manager

Email: iichehq.council@gmail.com

A Screening Committee will scrutinize the proposals received and only selected candidates are eligible for receiving grants.

NOTE

- IChE will not entertain any incomplete applications.
- Candidates submitting the proposal and applying for the grant should be a member of IChE. Non-member candidates are requested to become a life member in IChE and then they can submit the proposal for the project grant.
- Candidates are requested to submit single proposal only.
- Organizations / Institutions / Universities are requested not to submit more than **one (01)** proposal. IChE will consider only one proposal and the rest, if submitted, will be rejected.
- Project if awarded, candidate must have to publish minimum **one paper** in a reputed peer-reviewed Scopus Indexed or Web of Science Journals. Candidate must include the affiliation as Life member, IChE in the papers they publish.
- Candidates must submit progress report at every six months interval during the project tenure if awarded.
- Candidates must submit the final project report and utilization certificate after successful completion of the project.
- IChE will not continue any fund after eighteen months from the date of award of proposal.
- 20% of the sanctioned fund will be released after providing a proof of journal publication.

Sd/-

(Dr. R. Saravanan)

Convener, Education, Training and R&D Committee, IChE

Copy to:

1. All Regional Centres for circulation, please.
2. All Student Chapters for circulation, please.
3. All AICTE/UGC approved Institutions/universities