



Department of Biotechnology
Govt. of India



IUSSTF
Indo-US Science and Technology Forum

BIOENERGY AWARDS

for Cutting Edge Research (B-ACER)

Recognizing that clean and efficient energy, environmental protection and energy security are among the biggest challenges facing India and the United States; the Department of Biotechnology, Government of India and the Indo-U.S. Science and Technology Forum are committed to tackling these issues by building capacity in these frontier areas. To nurture future innovators and thought leaders in Biofuel and Bioenergy, we are happy to announce the **Bioenergy-Awards for Cutting Edge Research (B-ACER)** - a dynamic and transformative program developed to nurture contacts between students and scientists from India and the United States.

THE PROGRAM IS ENVISAGED TO

- Provide an opportunity to the best and brightest Indian students and scientists to gain exposure and access to world class research facilities in leading U.S. institutions;
- Promote research and capacity building in the frontline area of Biofuels and Bioenergy;
- Encourage and motivate outstanding students to take up research as a career path; and
- Pave the way for the next generation scientists and technologists from India to interact with American peers, thus helping to build long-term R&D linkages and collaborations.

PRIORITY AREAS

- Systems & Synthetic Biology (to produce biofuels)
- Feed stock improvement (microalgae, macro algae, cellulosic biomass, tree born oil)
- Production Technology (cost-effective technology for bio-ethanol, algal biofuel, bio-butanol, bio-hydrogen, fuel cells, bio-refinery)
- Biotechnological interventions for integration of Bioenergy with Carbon Capture and Utilization.
- Biotechnological interventions for Waste to Energy
- Bio jet Fuels
- Microbial conversion of CO₂/CO/H₂ from effluents to fuels or chemicals.

ELIGIBILITY

For Student Internships

- Indian citizen currently pursuing a Ph.D. on a full-time basis in the field of Biofuel related area in public-funded R&D lab / S&T institution recognized academic institute / university / college in India.
- Age: Upto 32 years as on 31 December 2019.

For Fellowships

- Indian citizen with a Ph.D. in Life Science, Biotechnology, Engineering or Technology holding a Regular Position in public funded R & D lab / S & T institution / recognized universities / colleges in India
- Applicants must provide proof of independent research work in internationally recognized academic journals.
- Age: Upto 45 years as on 31 December 2019.

PLACE OF WORK

The applicant should have a letter of acceptance from a reputed U.S. scientific / technological institution / laboratory where he / she would undertake the research work.

FELLOWSHIP/INTERNSHIP INCLUDES

- Monthly Stipend
- Air-fare
- Contingency allowance

DURATION

- Internship: Minimum 3 months and upto 6 months
- Fellowship: Minimum 3 months and upto 12 months

For program information contact:

Dr. Sangita Kasture
Department of Biotechnology, Govt. of India
New Delhi

Dr. Nishritha Bopana
Indo-US Science and Technology Forum
New Delhi

For program details visit www.iusstf.org or write to energy.fellowship@indoustf.org

Submission Deadline: 31st May 2019