



CO₂INDIA- Best PhD Thesis Award (2023)



<https://www.co2india.org/>

Award Details:

The CO2India network provides recognition to Indian Ph.D. students through an esteemed award program designed to acknowledge exemplary doctoral research that aligns with India's ambitious objective of achieving self-reliance and a Net-Zero CO₂ future. The network actively promotes innovative ideas and offers support to Indian doctoral scholars whose research focuses on "CO₂ Capture, Storage, and Utilization," ultimately contributing to India's determined efforts to combat the issue of climate change.

The award program culminates in the recognition of three exceptional winners, each of whom will be honored with a cash prize of Rs. 25,000, a prestigious medal, and a well-deserved certificate as a testament to their outstanding contributions. This recognition serves not only as an encouragement to the recipients but also as a clear demonstration of the network's commitment to fostering cutting-edge research and sustainable solutions that propel India toward its sustainability goals.

Eligibility:

The awards are open to those Indian students who have either submitted a Ph.D. thesis synopsis, completed their Ph.D. thesis, or obtained their Ph.D. degree during the period spanning from 1st September 2022 to 31st August 2023 and have not applied previously for these awards.

Application:

To participate in this competition, there is no requirement to submit your entire thesis. Instead, you are only requested to provide a concise summary of the most crucial findings and outcomes of your research. This summary document should not exceed 20 pages, encompassing figures and references. Page layout: A4, 1.2 line spacing, 11 or more font size, moderate margin.

On the first page of the submission, include title, your name, institute name and abstract highlighting your Ph.D. research and emphasizing its significance in contributing to India's endeavors in combating climate change through innovative approaches in CO₂ capture, storage, and utilization. The second page should consist of a comprehensive list enumerating the novel results, papers, manuscripts, patents, or any other relevant contributions solely derived from your thesis work.

In addition to the summary document, you are also required to furnish a recommendation letter from your Ph.D. advisor and your up-to-date CV. By adhering to these submission guidelines, you ensure that your application stands eligible for consideration in the competition, and it allows the evaluation committee to gain a comprehensive understanding of your research achievements and their relevance to India's sustainability objectives.

Submission Deadline:

Application in pdf format [thesis summary (20 pages), CV, and recommendation letter] should be submitted before **31st August 2023**.

Submission Link: <https://forms.gle/i2JY5E6SA2zas5nt6>



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Evaluation Criteria:

The CO2India Core Committee will appoint an Evaluation Committee, comprising subject matter experts. Submissions to the competition will undergo thorough assessment based on the following well-defined criteria:

Originality and Novelty (50%): The extent to which the research demonstrates unique and innovative approaches will be given significant consideration.

Quality of Results and Data Analysis (25%): The rigor and excellence of the research outcomes and the precision of data analysis will be evaluated with utmost attention.

Significance/Implications, Technology Development/Advancement (Innovation) for India's Self-Reliant CO₂ NetZero Goals (25%): The impact of the research on India's pursuit of self-reliance and Net-Zero CO₂ objectives, along with the implications for technology development and advancement, will be critically analyzed.

Following the initial evaluation, the top 5 shortlisted candidates will be cordially invited to present oral talks at the prestigious CO2India Annual Conference. During this event, the candidates' research will be further evaluated by a distinguished seminar judging panel. Ultimately, the final selection of winners will be based on the amalgamation of grades from both the PhD thesis write-up evaluation committee and the seminar evaluation committee. The declaration of the deserving awardees will take place at the CO2India Annual Conference.

CO2India Core Members: Vivek Polshettiwar (TIFR, Mumbai, *Coordinator*), Prof. Abinaya Sampath (IIT Gandhinagar), Dr. Aditi Halder (IIT Mandi), Prof. Ali Haider (IIT Delhi), Dr. Ankur Borodoloi (IIP Dehradun), Prof. Arindam Sarkar (IIT Bombay), Prof. Arnab Dutta (IIT Bombay), Prof. Atul Wankhede (VNIT Nagpur), Prof. Ayan Datta (IACS Kolkata), Prof. Biswajit Chowdhury (IIT-ISM Dhanbad), Prof. Biswarup Pathak (IIT Indore), Dr. Chanchal Samant (BPCL), Prof. Chinmoy Ranjan (IISc Bangalore), Dr. Chiranjeevi Thota (BPCL), Prof. CM Nagaraja (IIT Ropar), Prof. Gulzar A Bhat (University of Kashmir), Dr. Indrajiyit Shown (HIST), Prof. Jayant Singh (IIT Kanpur), Prof. Jitendra Bera (IIT Kanpur), Dr. Mrinal Pai (BARC Mumbai), Prof. Murthy Dharmapura (MIT Manipal), Dr. Nandini Devi (NCL Pune), Dr. Praveen Kumar Chinthala (Reliance Industries), Prof. Rajanish Kumar (IIT Madras), Prof. Sanjay K Singh (IIT Indore), Prof. Sanjib Banerjee (IIT Bhilai), Dr. Sharad Lande (Reliance Industries), Dr. Soujanya Yarasi (IICT Hyderabad), Dr. Sreekumar Kurungot (NCL Pune), Prof. Sudhanshu Sharma (IITGN), Dr. Sukhendu Nath (BARC, Mumbai), Prof. Sunil Patil (IISER Mohali), Prof. Swadhin Mandal (IISER Kolkata), Prof. Tapas Maji (JNCASR Bangalore), Prof. Tharamani C. N. (IIT Ropar), Prof. Venkata Krishnan (IIT Mandi), Prof. Vikram Vishal (IIT Bombay)

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