



**Date: August 26-27, 2022**

**Venue: Dr. Lovraj Kumar Auditorium, CSIR - Indian Institute of Petroleum, Dehradun**

**PROGRAMME SCHEDULE**

***Day 1: Friday, August 26, 2022***

09:00 - 11:00 Hrs	Registration
<b><i>Inaugural Session</i></b>	
10:00 - 10:15 Hrs	<b>Welcome &amp; Deep Prajwalan</b>
10:15 - 10:20 Hrs	<b>About Symposium</b> <i>Student Convener, SEFCO-2022</i>
10:20 - 10:30 Hrs	<b>Welcome Note &amp; Introductory Remarks by Chief Patron</b> <i>Dr. Anjan Ray, Director, CSIR - IIP</i>
10:30 - 11:00 Hrs	<b>Inaugural Address by Honourable Chief Guest</b> <i>Mr. Prabh Das, Managing Director &amp; Chief Executive Officer HPCL Mittal Energy Limited (HMEL)</i>
11:00 - 11:25 Hrs	<b>Inaugural Note by Guest of Honour</b> <i>Ms. Sukla Mistry, Director (Refineries) Indian Oil Corporation Limited (IOCL)</i>
11:25-11:30 Hrs	<b>Release of Souvenirs/Abstract Book - SEFCO 2022</b>
11:30-11:35 Hrs	<b>Vote of Thanks</b>
11:35-11:40 Hrs	<b>SEFCO-2022 Group Photo</b>
11:40-12:00 Hrs	<b>Tea-Coffee &amp; Networking</b>

***Session-I: Renewable Energy & Alternative Fuels***

12:00-12:20 Hrs	<b>K-1: Prof. S. Dasappa</b>
12:20-12:35 Hrs	<b>I-1: Dr. Srinivasan Anandan</b> , Scientist- E, ARCI, Hyderabad <i>Development &amp; demonstration of indigenous materials for energy storage (Li-ion battery &amp; supercapacitor) applications</i>
12:35-12:50 Hrs	<b>I-2: Prof. Rajnish Kumar</b> , FRSC Professor, IIT-Madras <i>Understanding gas hydrates: Potential role towards net zero CO<sub>2</sub> target</i>
12:50-13:05 Hrs	<b>I-3: Dr. Suraj Soman</b> , Scientist, CSIR-NIIST, Thiruvananthapuram <i>Renaissance of molecular light harvesters: Indoor photovoltaics to indigenous manufacturing</i>
13:05-13:30 Hrs	<b>Q &amp; A for Session-I</b>
13:30-14:30 Hrs	<b>Lunch &amp; Networking</b>

### Session-II: Environmental Sustainability, Climate Change, & Energy Transition

14:30-14:50 Hrs	<b>K-2: Mr. M.K. Biswas</b> , Chief General manager, GAIL (India) Ltd. <i>Various activities &amp; options towards net zero</i>
14:50-15:10 Hrs	<b>K-3: Prof. Sebastian Chirambatte Peter</b> , Associate Professor, New Chemistry Unit Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) <i>Scientific strategies towards sustainable energy and environment</i>
15:10-15:25 Hrs	<b>I-4: Dr. Venkata Krishnan</b> , Associate Professor, IIT-Mandi <i>Graphitic carbon nitride: A wonderful material for heterogeneous catalysis</i>
15:25-15:35 Hrs	<b>Q &amp; A for Session-II</b>
15:35-16:00 Hrs	<b>Tea-Coffee &amp; Poster Session</b>

### Session-III: Materials Science & Technology

16:00-16:20 Hrs	<b>K-4: Dr. Sunkara V. Manorama</b> , Chief Scientist, CSIR-IICT, Hyderabad <i>Realizing hierarchical nanostructures by simple chemical routes for applications in gas sensing and photocatalysis</i>
16:20-16:35 Hrs	<b>I-5: Dr. (Ms.) Pooja Devi</b> , Principal Scientist, CSIR-CSIO, Chandigarh <i>Ti<sub>3</sub>C<sub>2</sub>/NiMo MXene hybrid for electro catalytic wastewater to hydrogen generation</i>
16:35-16:50 Hrs	<b>I-6: Dr. Thakur Prasad Yadav</b> , Associate Professor, IIT-BHU, Varanasi <i>Materials Science &amp; Technology at the atomic scale for energy and environment</i>
16:50-17:00 Hrs	<b>Q &amp; A for Session-III</b>
17:00-18:00 Hrs	<b>Poster Evaluation</b>
19:00-20:00 Hrs	<b>Cultural Program</b>
20:00-21:00 Hrs	<b>Dinner &amp; Networking</b>

### Day 2: Saturday, August 27, 2022

### Session-IV: Downstream: Refining Technology & Operations

09:30-09:35 Hrs	Opening remark
09:35-09:55 Hrs	<b>K-5: Mr. Y. S. Prakash</b> , Sr. Vice President, BPCL BINA Refinery
09:55-10:15 Hrs	<b>K-6: Dr. Asit K Das</b> , Head Refinery R&D and Process Development, RIL, Jamnagar <i>Competitive pathways to achieve net zero Goal</i>
10:15-10:30 Hrs	<b>I-7: Dr. Ravi Kumar</b> , CGM, Bharat Petroleum Limited <i>BPMARRK: Real-time crude oil assaying for monitoring &amp; optimization of crude distillation units</i>
10:30-10:45 Hrs	<b>I-8: Mr. Pramod Kumar</b> , Deputy General Manager, HP Green R&D centre, Bengaluru <i>Crude oil to chemicals</i>
10:45-11:00 Hrs	<b>I-9: Mr. Krishna Mani</b> , Senior Research and Development Manager Honeywell India Technology Centre <i>Sustainable fuels and their role in the refinery of future</i>
11:00-11:20 Hrs	<b>Q &amp; A</b>
11:20-11:50 Hrs	<b>Tea &amp; Networking</b>



*Session-V: Perspective of Integrated National Oil Companies*

11:50-12:10 Hrs	<b>K-7: Shri S. N. Chitnis</b> , Head of Institute, KDMIPE, ONGC
12:10-12:30 Hrs	<b>I-10: Dr. David J. Cleary</b> , Sr. Research Scientist, Aramco Research Center, Detroit R&D
12:30-12:40 Hrs	<b>Q &amp; A</b>

**Valedictory Session**

12:40-13:00 Hrs	<b>I-11: Dr. Samir K. Maity</b> , Senior Principal Scientist, CSIR - IIP, Dehradun <i>Sulphur regulation in marine fuel (MARPOL 2020) and a possible solution in the Indian context</i>
13:00-13:10 Hrs	<b>Dr. Asheesh Kumar</b> (Scientist, Event Scientific Coordinator) Announcement for poster awards & Certificate distribution
13:10-13:15 Hrs	<b>Dr. Kirtika Kohli</b> (Scientist, Event Scientific Coordinator) Event Summary and Closing Note
13:15-14:00 Hrs	<b>Lunch</b>

\***K** - Keynote Speaker and **I** – Invited Speaker