**Two-Day Critical Minerals Symposium and Workshop**

January 3-4, 2025 | IIT Hyderabad

<https://che.iith.ac.in/aicmrh-2025/index.html>

**Day 1: 3rd January 2025**

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| **09:00-10:00** | **Inaugural session Conducted by Prof Narsimha**  |
| 09:00-09:03 | Lighting of the Lamp |
| 09:03-09:06 | Welcome by **Prof B S Murty**, Director, IIT Hyderabad  |
| 09:06-09:10 | Opening Remarks byGuest of Honour, **Mr Balaram Naik**, CMD, Singareni Collieries Company Limited |
| 09:10-09:15 | Opening Remarks byGuest of Honour, **Ms Hilary McGeachy,** Consul General, Australian Consulate-General Bengaluru |
| 09:15-09:25 | Address byGuest of Honour, **Mr Sridhar Babu Duddilla**, Minister for Industries, Telangana  |
| 09:25-09:35 | Address byGuest of Honour, **Mr Batti Vikramarka Mallu**, Dy Chief Minister, Telangana  |
| 09:35-09:50 | Address by **Chief** Guest, **Mr G Kishan Reddy**, Minister of Mines, Government of India |
| 09:50-09:54 | MoU Signing between IIT Hyderabad and Singareni Collieries Company Limited |
| 09:54-09:58 | Vote of thanks **Prof M Yellishetty**, Monash University  |
| 09:58-10:00 | **National anthem**  |
| **Group Photograph (10-00-10:15)** |
| **10:15**-**11:00** | **High Tea** |
| **Time** | **Activity** | **Speaker** | **Session Chair** |
| 11:00-11:30 | Plenary Talk 1 | [Prof Veena Sahajwalla](https://research.unsw.edu.au/people/scientia-professor-veena-sahajwalla), Univ New South Wales | **Dr D Pandey**, Director Atomic Minerals Directorate  |
| 11:30-12:00 | Plenary Talk 2 | [Prof Suresh Bhargava](https://www.rmit.edu.au/profiles/b/suresh-bhargava), RMIT University |
| 12.00-12:20 | Keynote Talk 1 | Mr Dinesh Mohar, Ministry of Mines | **Dr K Balasubramanian**Director, NonFerrous Materials Technology Development Centre |
| 12:20-12:40 | Keynote Talk 2 | Mr Roopwant Singh, Gujarat Mineral Development Corporation |
| 12:40-13:00 | Keynote Talk 3 | Mr Rajat Verma, Lohum Cleantec |
| **13:00-14:00** | **Lunch break** |
| 14:00-14:20 | Keynote Talk 4 | [Prof Sankar Bhattacharya](https://www.monash.edu/engineering/sankarbhattacharya), Monash University | **Dr R Ratheesh**Director, Centre For Materials for Electronics Technology, Hyderabad  |
| 14:20-14:40 | Keynote Talk 5 | [Prof Edward Buckingham](https://www.monash.edu/business/our-people/edward-buckingham2), Monash University |
| 14:40-15:00 | Keynote Talk 6 | Dr Vilas Tathavadkar, Hindalco Industries |
| 15:00-15:15 | Invited Talk 1 | Dr Ashok Kamaraj, IIT Hyderabad | **D Venkateswara Reddy,** Director (P&P), SCCL |
| 15:15-15:30 | Invited Talk 2 | Dr Prabhakar Sangurmath, formerly with Hutti Gold Mines |
| **15:30-16:00** | **Tea Break** |
| 16:00-16:20 | Keynote Talk 7 | [Prof Mainak Majumdar](https://www.monash.edu/engineering/mainakmajumder), Monash University | [**Dr R Vijay**](https://www.arci.res.in/people-pages/1567580671_Vijay-cv.pdf)Director, Advanced Research Centre for Powder Metallurgy and New Materials |
| 16:20-16:40 | Keynote Talk 8 | [Prof Mohsen Yahyaei](https://smi.uq.edu.au/profile/824/mohsen-yahyaei), University of Queensland |
| 16:40-17:00 | Keynote Talk 9 | [Prof Muhammad Akbar Rhamdhani](https://experts.swinburne.edu.au/949-akbar-rhamdhani), Swinburne University | **Dr Mohan B Verma,** formerly with Atomic Minerals Directorate |
| 17:00-17:20 | Keynote Talk 10 | Dr Ramanuj Narayan, CSIR-Institute of Minerals and Materials Technology (IMMT) |
| **Cultural Programme & Dinner (18:30-21:30)** |

**Day 2: 4th January 2025**

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| Time | Activity | Name of the Speaker | Session Chair |
| 09:00-09:20 | Keynote Talk 11 | Prof Mohan Yellishetty, Monash University | **Dr Sandip Ghosh Chowdhury**Director, CSIR-National Metallurgical Laboratory (NML), Jamshedpur |
| 09:20-09:40 | Keynote Talk 12 | Sh D Singh, formerly with IREL Limited |
| 09:40-10.00 | Keynote Talk 13 | Dr Balamuralikrishnan, Defence Metallurgical Research Laboratory |
| 10:00-10:20 | Keynote Talk 14 | Dr Pradip, formerly with Tata Research Development and Design Centre | **Dr S Ravi,** Dy DG & Head GSI Training Institute |
| 10:20-10:40 | Keynote Talk 15 | Dr Sakthi Saravanan Chinnasamy, IIT Bombay |
| 10:40-10:55 | Invited Talk 3 | Dr Abhilash, NML |
| **10:55**-1**1:20** | **Tea break** |
| 11:20-12:20 | Panel Discussion 1: **Technology Road Map**(Exploration, Mining, Extraction & Processing Technologies) | Dr C S Singh, Coal India LtdDr Kali Sanjay, IMMTMr Anupam Jalote, Gujarat Mineral Development CorporationDr Bhuvana Kamath Shanbhag, AMITY UniversityProf Raman Singh, Monash UniversityProfessor Prashant Sonar, Queensland University of Technology  | **Prof Brajesh K Dubey**IIT Kharagpur |
| 12:20-13:20 | Panel Discussion 2: **Policy Road Map**(Education, Research, Innovation, Start-ups, Regulations & Policies) | Mr Anshuman Tripathi, National Security CouncilDr Lalan Prasad Singh, Dy DG, GSI Telangana regionDr P K Banerjee, Central Institute of Mining and Fuel ResearchDr Sapna A Narula, NIAM Ministry of AgricultureProfessor Kannan Govindan, University of AdelaideAssoc Prof Vinod Mishra, Monash University | **Prof Radhakrishna Munukutla**Head of Department, Earth Sciences, IIT Bombay |
| **13:20-14:20** | **Lunch break** |
| 14:20-15:40 | Open Discussion: **Way Forward** | Prof M Yellishetty  |
| 15:40-16:00 | Valedictory Ceremony | Prof M Yesllishetty & Prof M Narasimha |
| 16:00-16:30 | **High Tea** |

**Pre-Workshop Training on Critical Minerals on 2nd January 2025**

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| **Time** | **Activity** | **Speaker** |
| 08:15-08:45 | Registration | Student team |
| 08:45-09:00 | Inaugural Session | Dr T Sreenivas, Prof N Mangadoddy |
| 09:00-10:00 | Geological Exploration of Critical Minerals | Dr K L Mundra, Additional Director AMD |
| 10:00-11:00 | Characterisation  | Dr Srinivas Rao, formerly with IMMT |
| **11:00-11:15** | **Tea Break** |
| 11:15-12:15 | Beneficiation of Critical Minerals | Dr T Sreenivas, formerly with BARC |
| 12:15-13:15 | Refining & Extraction of Critical Minerals from E-Waste | Dr Nikhil Dhawan, IIT Roorkee |
| **13:15-14:20** | **Lunch break** |
| 14:20-15:20 | Rare Earth Elements Extraction & Recycling | Dr Borra Chennarao, IIT Kharagpur |
| 15:20-16:20 | Critical Metals & Alloys  | Dr Alok Awasthi, BARC |
| **16:20-16:50** | **Tea Break** |
| 16:50-17:50 | Critical Minerals Mining | Dr Ram Chandra, NIT Surathkal |
| 17:50-18:40 | Digital Technologies in Critical Minerals & Metals | Dr Venkat Runkana, TCS |