

Organised by



MRSI, Jamshedpur Chapter

Microsymposium on Recent Developments in Mineral Processing and Mechanical Activation of Solids

in association with



CSIR-NML, Jamshedpur

February 22, 2019

and



IIME, Jamshedpur Chapter

CSIR-National Metallurgical Laboratory
Jamshedpur

Introduction

The one day Microsymposium will focus on some recent advances in select areas of mineral and materials processing. The topics include:

- Characterisation of minerals, ores and secondary resources
- Mechanical activation of solids in mineral processing
- Mechanochemistry fundamentals and applications
- Bioprocessing in minerals processing
- Innovative approaches in solid waste utilisation
- Modelling and simulation

The lectures will be delivered by experts in the field. The Microsymposium will also to commemorate the contributions of Dr. Rakesh Kumar in the field.

Dr. Kumar, presently Chief Scientist and Adviser Management, joined CSIR-NML in April 1989 after obtaining his bachelor (NIT Rourkela, 1981) and master and doctoral degrees (IIT Kanpur, 1983, 1989). In his research career spanning over 30 years, he has made significant contributions in the areas of aqueous processing minerals and materials. He has been instrumental in initiating and nurturing a programme on mechanical activation and reactivity of solids. Recipient of Metallurgist of Year Award (IIM/Ministry of Steel, 2006) and IIME Mineral/Coal Beneficiation Award (2017), he has served as a member of the Editorial Board of the International J Mineral Processing (Elsevier), and presently a member of the board of review of Metallurgical and Materials Transaction B (Springer). Prior to his present position, he served as Head of Metal Extraction and Forming Division.

Calls for paper and participation

In addition to the invited lectures, the Microsymposium will have poster presentations for a broad coverage and to highlight specific aspects under the topics covered. Interested participants may submit title with abstract (within 200 words). All abstracts will be peer reviewed and the authors will be notified accordingly. The abstracts in MS Word format is to be sent electronically to the Microsymposium secretariat before January 25, 2019 on the e-mail address: msrak@mef.nml.in The participation of students and young researchers is especially encouraged.

Registration

The registration fees, excluding GST (18%), for the conference are as follows:

Delegate	INR 2000
Student Delegate	INR 1000
Spouse	INR 1000

Registration fee can be paid either by wire transfer or by cheque (Account Number:01100050012; Account Name: Material Research Society, IFSC code: SBIN0003329 Branch Code: 3329; Bank Name: State Bank of India, NML, Jamshedpur). Cheque payable to: Material Research Society is to be sent to conference secretariat. Please send a copy of your payment to conference secretariat either by post or e-mail.

Sponsorship: Full page B/W advertisement: Rs 10000/-;
Session sponsorship: Rs 25000/- (1 delegate +1 full page advertisement)

Accommodation

Accommodation in NML hostel on twin sharing basis may be arranged for student delegates at nominal costs on first come first serve basis.

Speakers



Prof. Indranil Manna
IIT, Kharagpur



Dr. Beena Rai
TRDDC, Pune



Prof. Mamoru Senna
Keio University, Japan



Dr. C Sasikumar
MNIT, Bhopal



Dr. Srinivasan Srikanth
Former Director, CSIR-NML, Jamshedpur



Dr. Sanjay Kumar
CSIR-NML, Jamshedpur



Prof. S. Subramanian
IISc, Bangalore

Organising Committee

Dr. Indranil Chatteraj (Chairman), *Director, CSIR-NML, Jamshedpur*

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Dr. C. Raghu Kumar, *Head, Ore Beneficiation Tech., Tata Steel, Jamshedpur*

Dr. Thomas C Alex (Convener), *Principal Scientist, CSIR-NML, Jamshedpur*

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