



**Brief biodata of  
Dr. Pijush Pal Roy, Director, BCREC**

Dr. Pijush Pal Roy is the Director of Dr. B. C. Roy Engineering College, Durgapur. He was an Outstanding Scientist and Head of Research Group of Rock Excavation Engineering Division of CSIR-Central Institute of Mining and Fuel Research, Dhanbad, India and Acting Director of CSIR-Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur & CSIR-Centre of Excellence in Farm Machinery (CSIR-CoEFM: an extension centre of CSIR-CMERI), Ludhiana (*Additional Charge*). After completing his post-graduate degree from the University of Calcutta, he did his Ph.D. in the department of Applied Sciences, Indian Institute of Technology (IIT-ISM), Dhanbad and advanced professional trainings from the University of Sunderland, UK and Indian Institute of Management (IIM), Ahmedabad.

In CSIR-CMERI his main contribution was to stabilize the financial standing of the Institute significantly and to orient the focus of the Institute in translational projects and projects in strategic sectors of national importance. He improved the industry-interface assignments of the Institute for gradual self-sustenance in tune with the policies of the Government of India and transferred 16 technologies and administered 141 S&T project proposals during his tenure spanning 29<sup>th</sup> August 2013 to 16<sup>th</sup> March 2016.

In CSIR-CIMFR, he had worked for 32 years (February 1986 - November 2017) and elevated to the post of Outstanding Scientist through Search-cum-Selection Committee in the year 2010. He served as the Head of Research Group of the Rock Excavation Engineering Division for 17 years in addition to performing as officiating Director of the Institute during the absence of regular Director from 2005 to 2017. Before joining to CSIR-CIMFR, he was in Teaching Profession for nearly 5 years in two reputed colleges namely RK Mission Vidyamandira, Belur Math & Jhargram Raj (Govt.) College in West Bengal.

Dr. Pal Roy has 32 years of R&D experience as a Blasting Scientist and has worked in more than 400 mines and quarries and around 15 prestigious hydroelectric projects of the country as part of sponsored and consultancy assignments. He is the author of 5 books published in India and abroad, 1 book-

chapter, 2 Guidelines, 1 handy-manual and nearly 129 scientific papers published in International and National Journals and Seminar/Symposia Proceedings. During 1998-1999, Dr. Pal Roy worked with the DRDO Scientists on advice and guidance of Honourable Former Rashtrapati, **Late Dr. A. P. J. Abdul Kalam, the then S.A. to R.M.**, Government of India, regarding the Safety of Defence Ordnance Factory due to mining activities. Recently Dr. Pal Roy has been nominated by the Ministry of Defence, Gol as the Chairperson/Deputy Chairperson of **DRDO** Recruitment and Assessment Boards and Advisor to the Chairman, RAB of CSIR.

There are extensive references of Dr. Pal Roy's work in Standard Text Books written by the world-renowned scientists of India and abroad. He was the Co-Principal Investigator of the design of first **Highwall Mining in India** by CSIR-CIMFR and established the **modified angle-cut pattern** as a replacement of conventional solid blasting for higher yield from underground degree-I gassy coal mines in India. Dr. Pal Roy has widely travelled in **USA, UK, Canada, Australia, China, Austria, Singapore, Poland, Czech Republic, Bangladesh, Turkey and Bhutan** to deliver his research works in different Seminars/Symposia/R&D Organizations or as a member of CSIR/Indian delegation team. He was a member of an inward delegation of 14 members to the UK on 'High Value Manufacturing' which aimed to bring experts from UK and Indian research institutions and companies together, to examine in detail the opportunities for collaboration between both countries. He is the recipient of the **Young Scientist Award of CSIR-1989; National Mineral Award-2005; CSIR Technology Award-2011; CSIR-Golden Jubilee First CMRI-Whittaker Award-1993; Hindustan Zinc Limited Medal of the Institution of Engineers (India)-1997 & 2012; Dhanbad Gaurav Sammaan-2011 and Life-time Achievement Award-2014** of MEAI. He has also worked in many S&T Projects funded by the Ministry of Coal; Ministry of Mines; Ministry of Environment and Forests; Ministry of Water Resources, Government of India (*e-mail: director@bcrec.ac.in; ppalroy.cimfr@gmail.com; M: 09431506000*).