

Name:

Sushil Kumar

Gupta

Introduce yourself in a brief paragraph:

Dr Sushil Gupta is a Senior Research Fellow in the School of Materials Science and Engineering, Program Leader of Ironmaking Research of Centre of Sustainable Materials Research & Technology and Chair-Professor at the University of Science & Technology Liaoning, Anshan, China. He is Founding Co-Director of Sino-Australia Joint Research Centre Advanced Carbonization Processes, China which aims to reduce the environmental impact of coal through partnership of Australian-Chinese researchers. He has extensive experience of understanding impact of coal use in clean coal technologies with particular focus on advanced characterization techniques to assess the impact of coal properties on carbonization, combustion and gasification phenomena. He also has interest in coal use for advanced energy solutions, fly ash utilization and hot gas cleaning.

He has been invited worldwide including global coal stakeholders. He published more than 100 articles in international journal, conference papers and scientific reports. He is a member of Academic Board of UNSW and Fellow member of Australian Institute of Energy, Sydney. He is also recipient of 2009 prestigious Kapitan Award of Association of Iron and Steel Technology, USA.

He is member of several scientific societies, committees and review board panel.

He has established coal research programs and projects with the support from global industries including Anglo Coal; LKAB, Sweden; POSCO, Korea, Banpu Indonesia and Gujarat NRE, India. He is also engaged for coal R&D with a number of international institutions including CANMET, Canada; Nottingham University UK, INCAR, Spain, Thermal Research Institute Sino-steel, China; Pusan Clean Coal Centre, PNU Korea; CIMFRI, India and the RDCIS of of Steel Authority of India.

Recently, he has established a joint research partnership with Gujarat NRE for understanding the implications of blending Australian and Indian coals for use in steel industry. He is passionate to continue working towards further accelerate the cooperation and collaboration for Clean Coal initiatives with Asia with emphasis on Indian industries and institutions. He has been invited in past by TATA Steel, SAIL and CIMFRI etc. This Year, he organized Clean Coal Technology Workshop at UNSW for Korean pf utility operators.