

## Database for Scientists (Gr.IV) and Technical Staffs (Gr. III)



1. **Name of Technical Staff** : SAROJ KUMAR  
**Email ID** : saroj\_cfri@rediffmail.com
2. **ID No. of the Employee** : 91668
3. **Name of Research Group** : Resource Quality Assessment
4. **Date of Birth** : 21.12.1975
5. **Date of Joining CSIR-CIMFR** : 04.01.2005
6. **Present Position** : SENIOR TECHNICAL OFFICER- (1)
7. **Educational Qualification:**

Degree/Diploma/Certificate	Year	Subject(s)	Specialization
M.Sc.	2003	Chemistry	Organic Chemistry
B.Sc.(Hons)	1996	Chemistry, Botany and Zoology	Chemistry Hons.

8. **Experience:** More than 14 yrs experience in Coal Petrology and Coal Chemistry.

9. **Area of Research:** Quality Assessment of Coal, Coke and Lignite through Petrographic studies and Chemical Characterization.

**10. Professional Career:**

- a) Actively involved in the field of Quality Assessment of Coal, Coke and Lignite with specialization in Coal Petrology.
- b) Various types of coal sampling and sub-sampling for different end-users (wagon sampling, Ship Sampling, Channel Sampling, Heap Sampling etc).
- c) Petrographic and chemical analysis of coal samples

**Research Paper Published in Prestigious Journal/Book**

1. “*Microscopic evaluation of coal and coke for metallurgical usage*” authored Nandita Choudhury, Debadutta Mohanty, Prabal Boral, **Saroj Kumar** and Sushanta K. Hazra. Current science, vol. 94, No. 1, 10 jan. 2008.
2. “*Petrographic signature of marine inundation from the Barakar coal measures of Mahanadi-Ib valley, Orrisa, India*” authored D. Mohanty, **Saroj Kumar**, Prabal Boral and Nandita Choudhury. Current science, vol.101, No. 9, 10 Nov. 2011.

3. “सूक्ष्मदर्शीय अध्ययन द्वारा कोयले में कोल बेड मीथेन की छमता का निर्धारण” लेखक **सरोज कुमार**, प्रबाल बोराल, विवेक सिंह, नीरज कुमार शुक्ला, अशोक कु सिंह, एन चौधुरी पुस्तक कोयला उपयोग: दृष्टि-2025, (ISBN): 978-93-5174-620-1, प्रथम संस्करण:2014, अध्याय 6, पृष्ठ संख्या 34-41.

**Paper published in proceeding of National and International Conferences/Seminar.**

a. Attended in the national seminar, paper entitled ‘*The natural fairways and their implication to CBM recovery: A perspective view*’ by **S. Kumar**, P. Boral, N.Choudhury, G. Ghosh, D. Mohanty, GTFM, 2-4 Nov., 2006 at ISM, Dhanbad.

b. Attended and presented the paper entitled “*Coal Petrography: A Key to Industry specific use*” authored by *Mohanty .D, Kumar. S, Boral. P & Choudhury. N.* In the Rastriya Sangosthi-Bhartiya Udyogon Ke Sandarbh Me Koyale Ka Sansadhan on March 26-27, 2007 at NML, Jamshedpur.

c. Co-author in the paper entitled “*Effect of stamp charging on coke microtexture vis-à-vis coke properties*” authored by *Nandita Choudhury, P. Boral, S. Kumar, R. Ranjan, R.S. Yadav, T. Pramanik S.K. Hazra* in the Proceeding of International Conference on “Coking Coal and Coke Making: Challenges and Opportunities”, 20-22<sup>nd</sup> January’ 2009 organized by RDCIS, SAIL, Ranchi. (Reprint attached)

d. Co-author in paper entitled “*Coal Bed Methane and its Status in Indian Context*” authored by *A.K. Singh, Alpana Singh, B.D. Singh, Mamta Sharma, Saroj Kumar, N.K. Shukla and Nandita Choudhury* in the Proceeding on the Symposium on Palynology in Fossil fuel exploration, memoir Geological Society of India, No.71, 2008, pp,149-171.

e. “Studies on Variation of Chemical Composition of Maceral with Vitrinite Reflectance of Jharia and Singrauli coals of India” authored by *Saroj Kumar, Prabal Boral, Ashok k. Singh, Vivek Singh, Niraj K. Shukla and Nandita Choudhury* in the Proceeding of 66<sup>th</sup> annual meeting and symposium of The International committee for coal and Organic Petrology. (ICCP-2014) September 20-27, 2014, Science city, Kolkata.

f. Co-author in the abstract entitled “Studies on CO<sub>2</sub> gasification and Petrographic composition of high ash Indian coals” authored by *Sujan Saha, G. Sahu, P.D. Chavan, S. Dutta and S. Kumar* in the Proceeding of 66<sup>th</sup> annual meeting and symposium of The International committee for coal and Organic Petrology. (ICCP-2014) September 20-27, 2014, Science city, Kolkata.