

Brief Bio-data

1. Name: Rajesh L. Katley

2. Date of Birth: 30.01.1968

3. Current Position and Address (Include Email ID and Contact Number)

Sr. Technical Officer-1,

Address: Plot no. 83, Old Subhedar Layout, Nagpur-440024

Email: rajeshlkatley@cimfr.nic.in, Contact number: 9423628923

4. Educational qualifications: (Graduation and above)

Sl. No.	Degree	Year of Passing	University/Institute	Subject
1	B. Sc	1992	Osmania University	Maths, Physics & Geology
2	M.Sc	1994	Osmania University	Geology

5. Work experience:

Designation	Institute/company	From	To	Nature of Work
Contributory Teacher	Post Graduate Dept. of Geology, RTM Nagpur University, Nagpur	1993	1994	Theory and Practical classes
Project Assistant	Maharashtra Remote Sensing Applications Centre	01.02.1995	03.09.1997	Preparation of Slope map, Hydrogeological map, Landuse/Landcover map using toposheet and satellite imageries of drought prone/affected areas of Maharashtra State.
JTA (joining) to Sr. Technical Officer-1(present)	CSIR-CIMFR	20.10.1997	Present	Quality Assessment of Borehole coal cores, Sampling of coal from various sources, Labscale coal beneficiation studies Rendering technical services to the coal user industries.

6. Work Area(s)/ Specialization: Borehole coal core studies, Sampling of coal from different sources, labscale beneficiation of coal, **Specialization:** Coal Geology

7. **Major contributions:** (Max. 100 words): Resource quality assessment of borehole coal cores involving lithological studies of borehole coal/lignite cores, Scientific study of coal dispatched from various sidings of Coal India/SCCL and received at power stations, lab scale beneficiation of coal for obtaining operating specific gravity for maximum yield at targetted ash content,

8. No. of Research Publications:

- Papers in Journals: 4
- In conference proceedings: 3
- Invited lectures delivered: Nil
- List of best 05 publications:
 - i) Singh S.P, Prasad A.L.V, Acharya R.K, **Katley R.L**, Chayande P. K , Sakhre D.K: Reduction of Sulphur of a high Sulphur coal from Marki Mangli mine, Wardha Valley Coalfield, central India, Pittsburgh coal conference 2016 (paper accepted for presentation)
 - ii) Pophare A.M, Prasad A.L.V, **Katley R. L**: Sulphur distribution patterns in Permian Coal Seams of Kamptee Coalfield, Central India”, in Challenges and Challenges and Strategies in Mineral Exploration and Mining, Special Vol: 1, 2017, pp-203-2010.
 - iii) Pophare A.M, **Katley R.L** Prasad A.L.V: Lithological study of borehole coal cores of Bhivkhund block, Wardha Valley Coalfield”, in Challenges and Challenges and Strategies in Mineral Exploration and Mining, Special Vol: 1, 2017, pp-195-202
 - iv) Sakhre D.K, Singh S.P, Acharya R.K, **Katley R.L**, Prasad A.L.V, Chayande P.K(2018) , Coal Winnowing: An Innovative Technique for Dry Coal Beneficiation, CPSI Journal, Volume – 10, Number - 28 , May-2018.
- Books/Chapters authored/edited: Nil

9. List of 5 Major Contract R&D Projects:

- i) **GAP-7029**: Quality Evaluation of Coal Core Explored from Different Regions of India
- ii) **MLP-123**: Study of the effect of oxidation on chemical properties of coal. On-going Project
- iii) **MLP-069**: Systematic compilation of coal quality, coal property and ash quality data for preparation of data bank of virgin coalfields of Maharashtra, Madhya Pradesh, Andhra Pradesh, Odisha, Chhattisgarh and lignite fields of Tamil Nadu, Gujrat & Rajasthan
- iv) **Mega Coal Sampling projects (Third Party Sampling)**
Loading sites: sidings of Western Coalfields Ltd & Singareni Collieries Company Ltd,
Unloading sites: Power plants of NTPC, MAHAGENCO, KPCL, GSECL, MPPGCL, APGENCO,
- v) **GAP-7028**: Design of the coal Winnowing System and conducting experiments on various feed sizes of coal to determine yield of clean coal both qualitatively and quantitatively.

10. (a) Name of Patents/Copyrights applied /granted/commercialized:

- Contactless Auto UV Disinfect Unit or Chamber for Touch Screens, Thumb or Finger Scanners and Keypads of Biometric Identification Devices and Other Devices or Systems (patent applied and technology commercialised).

(b) Technologies/Products /knowhow/Services developed:

- Developed a homogeneous coal sample for Proficiency Testing Program

- Know how transferred on "Contactless Auto UV Disinfect Unit or Chamber for Touch Screens, Thumb or Finger Scanners and Keypads of Biometric Identification Devices and Other Devices or Systems."

11. Honors/Awards/Recognitions/Fellowships/Scholarships/Professional Memberships received:

- Life Member of Gondwana Geological Society, Nagpur.
- Life fellowship of the South Asian Association of Economic Geologist

12. Societal Contributions:

- The Resource Quality Assessment of the borehole coal core study conducted at the Centre help in augmentation of National Inventory of coal/lignite reserves of the country.
- The qualitative data generated from the study aids in earmarking coal reserves for different user industries.
- Testing services rendered by the Centre help in maintaining the quality parameters of coal by the user industries..



(R.L.Katley)

Sr. Technical Officer-1

Id No 91564

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