Brief Bio-data

1. Name: Priya Kumari

2. Date of Birth: 26-11-1989

3.Current Position and Address (Include Email ID and Contact Number) –
   Technical Assistant Gr-III (1), CSIR-CIMFR, Nagpur Research Centre

4. Educational qualifications: (Graduation and above)

Sl. No.	Degree	Year of Passing	University/Institute	Subject
1.	B.Sc.	2009	VBU Hazaribagh	**Chemistry**
2.	M.Sc.	2011	VBU Hazaribagh	**Organic Chemistry**
3.	PhD	Continued through AcSIR, New Delhi		

5. Work experience:

Designation	Institute/company	From	To	Nature of Work
Project Assistant L-I	CSIR-CIMFR, Dhanbad	01.09.2011	28.02.2012	Coal Characterization
Project Assistant L-II	CSIR-CIMFR, Dhanbad	18.03.2013	08.09.2017	Coal Characterization
Technical Assistant Gr-III (1)	CSIR-CIMFR, Nagpur Research Centre	31.07.2019	Till date	Coal Characterization

6. Work Area(s)/ Specialization: Coal

7. Major contributions: (Max. 100 words): Handling and operation of different kind of automatic machines like Thermo Gravimetric Analyzer (TGA), Bomb Calorimeters, CHNS analyzer, Sulphur Analyzer, Ash Fusion Temperature (AFT). Besides attaining a wide experience in analytical studies of coal samples by above analysers/techniques and performing different types of coal analysis. Gathered working experience in handling project activities right from making proposals, formulating strategies, planning, execution of the project activities up to final report submission. Besides this, data entry, data compilation, interpretation, designing & preparation of project reports, making presentations, demonstration of laboratory equipments, processes and analytical techniques, was also the important part of my work profile. I was also involved in with junior team members/freshers, right from their work allotment up to taking care of their trainings.

Registered as AcSIR, PhD Research Fellow at RQA Division, Digwadih, CSIR-CIMFR, Dhanbad on the topic related to blending of indigenous and imported coals for steel industry.

8. No. of Research Publications:

- Papers in Journals: 05
- In conference proceedings: 10
- Invited lectures delivered: NIL
- List of best 05 publications

1. Prediction of gross calorific value of Indian coals from their moisture and ash content. (**Priya Kumari,** Ashok K. Singh, David A. Wood, Bodhisatwa Hazra) (Journal of Geological Society of India, Springer, 2017 impact factor: 0.69).
2. Para-lava as geological thermometer in Indian Coalfields (*Priya Kumari,* Ashok K. Singh & M. P. Singh, vol.35, No. 2 Apr-June, 20014, Minetech).
3. Relevance of Equilibrated Moisture analysis of coals for industrial utilization: Indian Examples (M. Gupta, S. S. Chatterjee, V. Singh*, Priya Kumari*, B. Ghosh, Ashok K. Singh, and N. Choudhury, vol. 35, No. 4,Oct-Dec, 2014,Minetech).
4. An insight on natural coke studies for better industrial utilization- A case study from Indian mines, "Ashok K. Singh*, N. K. Shukla, *Priya Kumari,* vol. 36, No. 4, Oct-Dec, 2015, Minetech).
5. Fractal deposition and porosity characterization of Lower Permian Raniganj basin shales, India.- Bodhisatwa Hazra, David A. Wood, Sumit Kumar, Sujan Saha, Suryendu Dutta, **Priya Kumari**, Ashok K. Singh- Journal of Natural Gas Science and Engineering (Elsevier, 2017 impact factor:2.80)

- Books/Chapters authored/edited: NIL

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

1. In house project - Experiments on determination of equilibrated moisture (EM) of WCL, SCCL & SECL coals with aim to reduce conditioning time from 72 hours to lowest possible up to 24 hours.
2. Mega Coal Sampling (TPS) project on Coal Quality Monitoring for Indian Power Plants through Nagpur Reearch Centre.

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

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

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

12. Societal Contributions
    By assesing the quality of coal, we are supporting in improvement in power plant performance and support in production of cheap energy to society.