

## Brief Bio-data

1. Name: **RITU RAJ RAMAN**

2. Date of Birth: **01.12.1994**

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

**TECHNICAL OFFICER , COAL AND MINERAL PROCESSING RESEARCH GROUP , CSIR-CIMFR DIGWADIH CAMPUS , [ramanrajritu@gmail.com](mailto:ramanrajritu@gmail.com) , Ph. No. +919829996859**

4. Educational qualifications: (Graduation and above)

Sl. No.	Degree	Year of Passing	University/Institute	Subject
1.	B. TECH	2017	VBU/BIT SINDRI	METALLURGICAL ENGINEERING

5. Work experience:

Designation	Institute/company	From	To	Nature of Work
LECTURER SOCIAL SCIENCE	ALLEN CAREER INSTITUTE, KOTA	03.07.2017	05.09.2017	TEACHING
PART-TIME FACULTY IN METALLURGY	CAREER AVENUES, DELHI	01.01.2018	31.06.2018	PREPARATION OF GATE TEST SERIES.
TECHNICAL OFFICER	CSIR-CIMFR	14.12.2018	PRESENTLY WORKING	RESEARCH AND DEVELOPMENT.

6. Work Area(s)/ Specialization:

**COAL PREPARATION, MINERAL BENEFICIATION, MATERIAL TESTING, SAMPLING and MATERIAL SCIENCE .**

7. Major contributions: (Max. 100 words):

- **Successfully formed agglomerates of fine coking coal using ‘Oil Agglomeration Technique’.**
- **Developed CAD Model of Basic Engineering Equipments during 1 week CAD Training.**
- **Supervised the sampling & sub-sampling activities and later on performed Ultimate, Proximate Analysis of various Imported and Indian Coal.**
- **Imparted Vocational training to college students and supervised their project submission.**
- **Operated and Maintained the On-Line Coal Analyzer.**

- **As a member of physical verification team was responsible for the audit of the inventories of various departments.**
- **Ensured the safety of the institute against radioactive radiation leakage by proper monitoring the radiation level as a team member.**

8. No. of Research Publications:

- Papers in Journals: **NIL**
- In conference proceedings: **NIL**
- Invited lectures delivered: **NIL**
- List of best 05 publications: **NIL**
- Books/Chapters authored/edited: **NIL**

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

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

(b) Technologies/Products /know how/Services Developed:

**Agglomerates of fine coking coal was made using Oil Agglomeraton Technique.**

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

**NIL**

12. Societal Contributions:

**Ensuring the energy security of the nation by ensuring the quality of coal.**

**Saving the stratergically important FOREX Reserve of the country by improving the quality of Indian coking coal and reduction in the quantity of imported coal.**

**Reducing the coal loss in the form of fines by utilizing coal fine using various beneficiation techniques.**

**Reducing the environmental pollution caused due coal dust by enhancing the coal washability techniques and making it more efficient.**