

## Brief Bio-data

**1. Name:** SAMEER SHEKHAR

**2. Date of Birth:** 07-09-1995

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

Technical Officer,  
Natural Resource Management, CSIR-CIMFR, Barwa Road  
Dhanbad- 826001, [sameershekhhar88@gmail.com](mailto:sameershekhhar88@gmail.com), [sameer@cimfr.nic.in](mailto:sameer@cimfr.nic.in)  
6205677046 (M), 4428 (Ext.)

**4. Educational qualifications: (Graduation and above)**

Sl. No.	Degree	Year of Passing	University/Institute	Subject
1.	Class 10	2011	CBSE	English, Sanskrit, Mathematics, Science, Social Science
2.	Class 12	2013	CBSE	Physics, Chemistry, Mathematics, English, Informatics Practices
3.	B.Tech (Environmental Engg.)	2018	IIT (ISM) Dhanbad	Environmental Engineering

**5. Work experience:**

Designation	Institute/company	From	To	Nature of Work
Technical Officer	CSIR-CIMFR	05-12-2018	Till Date	Ambient air monitoring of various environmental parameters like PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> & NO <sub>2</sub> , Modelling of air pollutants with the help of software like FDM & AERMOD, Mine reclamation related studies, Biodiversity analysis of flora & fauna, EIA/EMP report preparation.

## 6. Work Area(s)/ Specialization:

Ambient air monitoring of various environmental parameters like PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> & NO<sub>2</sub>, Modelling of air pollutants with the help of software like FDM & AERMOD, Mine reclamation related studies, Biodiversity analysis of flora & fauna, EIA/EMP report preparation.

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

Contributed significantly in operation and maintenance of different environmental equipments such as Aethalometer, High Volume Sampler (PM<sub>2.5</sub> & PM<sub>10</sub>) & Aerosol Spectrometer, Ambient air monitoring of various environmental parameters like PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> & NO<sub>2</sub>, Modelling of air pollutants with the help of software like FDM & AERMOD, Mine reclamation related studies, Biodiversity analysis of flora & fauna, EIA/EMP report preparation.

## 8. No. of Research Publications:

- Papers in Journals: 02 (Details provided in list of best 05 publications given below)
- In conference proceedings: 01

(i) "Seasonal & Diurnal variations of black carbon aerosols in Dhanbad city, India" published in 5<sup>th</sup> Asian Air Pollution Workshop- Dr. S. Singh, Dr. B. Pandey, Mr. L. B. Roy, **Mr. Sameer Shekhar**. (2020)

- Invited lectures delivered: NIL
- List of best 05 publications:

(i) "Tree responses to foliar dust deposition and gradient of air pollution around opencast coal mines of Jharia coalfield, India: gas exchange, antioxidative potential and tolerance level"- Siddharth Singh, Bhanu Pandey, Lal Babu Roy, **Sameer Shekhar**, Ranjeet Kumar Singh (2021). Environmental Science and Pollution Research, 28(7), 8637-8651

(ii) "Phytostabilization of coal mine overburden waste, exploiting the phytoremedial efficacy of lemongrass under varying level of cow dung manure"- Bhanu Pandey, Siddharth Singh, Lal Babu Roy, **Sameer Shekhar**, Ranjeet Kumar Singh, Bably Prasad, Krishna Kant Kumar Singh, Published. 2020. Ecotoxicology and Environmental Safety.

- Books/Chapters authored/edited- NIL

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

(i) Biodiversity action study of Talabira 2&3 OCP in Talabira Odisha Mining Pvt. Ltd., Talabira 2&3 Odisha- (SSP-443/2019-20)

(ii) EIA study and preparation of EMP of Chasnalla colliery for grant of Environmental Clearance from MoEF&CC- (SSP-473/2020-21)

(iii) EIA study and Preparation of EMP of Jitpur colliery for grant of Environmental Clearance from MoEF&CC- (SSP-472/2020-21)

(iv) Generation of baseline data & preparation of EIA/EMP of Amod (G-19 Extn.) Lignite Mine Project, Taluka Jhagadia, Dist- Bharuch, Gujarat and advice thereof. (SSP-342/2018-19)

**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: NIL**

## **12. Societal Contributions:**

- Imparting on-site training to industrial personnel.
- Providing vocational training to students of different colleges.