

## Brief Bio-data

1. Name: Dr. (Mrs.) Bably Prasad

2. Date of Birth: 05.08.1962

3. Current Position and Address:

Senior Principal Scientist and Mentor, Water Resource Management,  
CSIR- Central Institute of Mining and Fuel Research, Email: [drbablyprasad@cimfr.nic.in](mailto:drbablyprasad@cimfr.nic.in)  
[drbablyprasad@yahoo.com](mailto:drbablyprasad@yahoo.com) mobile: 9431122060.

4. Educational qualifications: (Graduation and above)

Sl. No.	Degree	Year of Passing	University/Institute	Subject
1.0	B.Sc	1979	Jabalpur University	Chemistry, Botany, Zoology
2.0	M.Sc	1981	Jabalpur University	CHEMISTRY
3.0	Ph.D	1992	IIT(ISM), Dhanbad	Environmental Sciences

5. Work experience:

Designation	Institute/company	From	To	Nature of Work
Scientist B	CSIR-CIMFR	1995	2000	Research
Scientist C	CSIR-CIMFR	2000	2004	Research
Scientist E1	CSIR-CIMFR	2004	2008	Research
Principal Scientist	CSIR-CIMFR	2008	2013	Research
Senior Principal Scientist	CSIR-CIMFR	2013	Continue..	Research

6. Work Area(s)/ Specialization: **Environmental Pollution studied in mining and allied industries**

7. Major contributions:

Specialisation in the field of environmental studies in the coal mining and allied industries along with their effective remedial measures. Conducted water quality studies in surface and underground mines to successfully develop an Index (HPI) for evaluation of the total water quality. Conversion of waste fly ash into useful material like zeolite has huge industrial applications. A good number of articles with high citations have also been dedicated by her showing usefulness of fly ash zeolites for cost effective treatment of acid mine water. Her significant contribution towards understanding the leaching properties of solid waste materials has been very useful.

8. No. of Research Publications:

- Papers in Journals: 53
- In conference proceedings: 60
- Invited lectures delivered: 05
- List of best 05 publications:

Bably Prasad, Sudip Maity, Sangita Kumari, Robert J.G. Mortimer; Synthesis and Characterisation of Zeolite Prepared from Coal Ash by Hydrothermal Process. Environmental Technology, Taylor & Francis, United Kingdom. Vol. 33, No.1, January 2012, 37-50.  
<https://doi.org/10.1080/09593330.2010.548532>.

Bably Prasad and Robert G.J. Mortimer; Treatment of Acid Mine Drainage Using Fly ash Zeolite. Water Air and Soil Pollution. 2011, 218:667-679. Springer-Verlag. <https://doi.org/10.1007/s11270-010-0676-6>.

Bably Prasad and Hemant Kumar. Treatment of Lignite mine water with Lignite fly ash and its zeolite. Mine Water and the Environment. 38(1):24-29, 2019. Springer-Verlag <https://doi.org/10.1007/s10230-018-00570-5>

Bably Prasad and Kumari Sangita; Heavy metal pollution index of ground water of an abandoned opencast mine filled with fly ash., Mine Water and Environment, Springer-Verlag publication, United Kingdom, Vol 27, No. 4, Dec 2008, pp 265-267. <https://doi.org/10.1007/s10230-008-0050-8>.

Bably Prasad and Deblina Maiti. Comparative study of metal uptake by Eichhornia crassipes growing in ponds from mining and non-mining area- a field study. Bioremediation Journal, Vol.20, no.2, 2016, 144-152. <https://doi.org/10.1080/10889868.2015.1113924>

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

- Characterization and Leaching Studies of Indian Fly Ashes for Evaluation of their Suitability as Mine Fill Material. **Sponsored by Ministry of Coal (MOC) S&T project**
- Investigation into low cost liner for disposal of coal ash in abandoned open cast mine. Sponsored by **Ministry of Coal (MOC) S&T project**
- Treatment of acid mine water generated in Indian coal mines using low cost material. Sponsored by **Ministry of Coal (MOC) S&T project.**
- Study of Impact of fly ash mine filling on flora, fauna, aquatic lives and habitat, water and air quality prior and during the course of ash dumping in mines. **Contract R&D project**
- Investigation into Permeable Liner for Disposal of Coal Ash in Ash Disposal Ponds (**CSIR-FTT project**)

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

- Have been awarded Commonwealth Academic Staff Fellowship in Environmental Sciences that was tenable at **School of Earth and Environment, University of Leeds, United Kingdom.** Commonwealth Commission, UK.
- Have received International Training at **University of New South Wales, Sydney, AUSTRALIA,** on Environmental Management and Capacity Building Technical Assistance project for non-coal mining sector, Sponsored by Ministry of Environment and Forest, New Delhi.
- Deputed to **POLAND** under **CSIR-PAS bilateral exchange programme** on fly ash disposal and management.
- Member of CHD-36 (Water Quality Sectional Committee of BIS (Bureau of Indian Standard, New Delhi).