

DATA SHEET FOR RESEARCH SCHOLARS



1. **Name of the Scholar:** SAGHAMITRA PRADHAN
2. **Gender:** Female
3. **Department:** Department of Earth Sciences
4. **Designation:** JRF SRF Any other
5. **Permanent Address:** C/o- Narasingh Pradhan, At Nuahata, Po-Banarpal, Dist- Angul, 759128
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8. **Contact Number:** (M) 9439327235
9. **Funding Agency:** INSPIRE Fellowship Scheme, DST, Govt. Of India
10. **Date of commencement of Fellowship:** 9th June 2017
11. **Period of Fellowship:** 5 years
12. **Title of the Research Work:** **A STUDY ON GEOLOGY AND PALAEONTOLOGY OF GONDWANA SEQUENCES IN AND AROUND ARGADA AREA OF SOUTH KARANPURA COALFIELD, JHARKHAND INDIA**
13. **Name of the Guide/Co-Guide:** Prof. Shreerup Goswami
14. **Registration Number:** 002/ 2017/ Earth Sc.
15. **A Brief Abstract of your Research Work (Within 200 words):** South Karanpura Coalfield, western part of the Damodar valley, is situated between latitudes 23° 38' N and 23° 45' N and longitudes 85° 05' E and 85° 28' E in the Ramgarh and Hazaribagh districts of Jharkhand. The proposed research proposal will deal with the record of megafossils from different Gondwana formations of this coalfield. Sedimentary facies, facies association and structures will be studied to depict the depositional environment and extent of marine incursion in the investigated area. Identification of different palaeoclimatic indicators for explicit interpretation of palaeoenvironment will be made. The study will also deal with the plant species diversification in different Lower Gondwana formations and development of flora this coalfield. Palaeoclimate, Palaeofire during Lower Gondwana Period will be depicted on the basis of cuticles, leaf and pollen morphology. Vegetational scenario with landscape of the basin during Permian period reflecting its palaeoecology will be reconstructed.

16. Status of Research Work:

- (a) Writing the synopsis
- (b) Review of Literature
- (c) Data Collection
- (d) Data Analysis
- (e) Writing the draft thesis

17. Do you have your profile in the following research networks?

- (a) Google Scholar
- (b) ResearchGate
- (c) Academia

18. Do you access the following e-resources subscribed by the university

- (a) E-Sodh Sindhu from INFLIBNET
- (b) ProQuest

19. Number of Papers published in referred journals with ISSN: Published- 1 , Accepted- 1 ,
Communicated- 1

20. Mention any TWO of your best publications in APA standard:

S. Gopalwar
Professor & Head
Dept. of Earth Sciences
Sambalpur University
Jyoti Vihar, Burla

Countersigned by the Research Supervisor

Sanghamitra Pradhan

Signature of the Research Scholar