

DATA SHEET FOR RESEARCH SCHOLARS



1. Name of the Scholar: ROSHNI PATEL
2. Gender: Female
3. Department: Dept. Of Earth Sciences
4. Designation: JRF ☒ SRF ☐ Any other ☐
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9. Funding Agency: DST INSPIRE, Govt. Of India
10. Date of commencement of Fellowship: 18-01-2018
11. Period of Fellowship: 5 yrs
12. Title of the Research Work: **AN APPRAISAL OF THE PERMIAN PALAEOBIODIVERSITY, PALAEOCLIMATE AND GEOLOGY OF A PART OF THE TALCHER BASIN, EASTERN COASTAL AREA, INDIA: FROM A PALAEOBIOLOGICAL PANAROMA**
13. Name of the Guide/Co-Guide: [Prof. Shreerup Goswami](#)
14. Registration Number: [In progress](#)
15. A Brief Abstract of your Research Work (Within 200 words):

The intended doctoral research proposal will deal with the investigation of megafossils of different Gondwana formations of major parts of Talcher Basin. A new attempt will be made towards the study of palaeofire and fossil charcoal, regulating the plant biomes of Eastern coastal area. Fossils will be searched from different fossiliferous horizons in Madhupur, Handapa and different collieries of the Talcher Basin. The Permo- Triassic vegetational scenario with landscape of desired realm, reflecting its palaeo-ecology will be reconstructed. A new venture will be sketched to give a geospatial representation of paleobiodiversity of the preferred basin. The study of palaeofire and biogeochemistry will be taken into account for perceiving the palaeoclimatic condition of the basin.
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:

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

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

Countersigned by the Research Supervisor

Roshni Patel
Signature of the Research Scholar