

DATASHEET FOR RESEARCH SCHOLARS



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9. Funding Agency:
10. Date of commencement of Fellowship:
11. Period of Fellowship:
12. Title of Research Work: Assessment of Litho-Pedological control on plants species assemblages in Laxmidungri, Dehridungri, Chandalidungri and Lamdungri hills of Sambalpur District, Odisha
13. Name of the Guide: Prof. Sanjaya Kumar Pattanayak
14. Registration Number: 04-ENVSC-20.02.2023
15. A Brief Abstract of your Research Work (Within 200 words):

Different hills covered with near the Sambalpur town are Budharajapahar, Laxmidungri, Lamdingri, Dehridungri and Chandlidungri. The forests of these hills have been influenced by the intervention of people and in some of these afforestation activities have changed the original phytosociological structure. Moreover, these hills are lithologically different. This scenario suggests that a detailed investigation of the plant diversity and soil composition of these hills should be carried out in order to conserve the existing forest cover. Therefore, in order to look at lithological control, the hills with similar aspects but different lithology, and thereby soil cover, are selected. Since the lithology of LaxmiDuungri is Amphibolite the soil must be basic in nature and that of DehriDungri is Quartzite the soils must be acidic. Moreover, the two hills are N-S trending and therefore the predominant aspects are similar. For this basic difference it has been decided to conduct a comparative study on plant species association in lithologically different Laxmidunguri and Deheridunguri Hills.

The objective of the present research work are:

- i) Study of the plant species association in lithologically different Laxmidunguri and Deheridunguri Hills of Sambalpur District, Odisha.
- ii) Study of the control of soil physico-chemical parameters on the species association.

16. Status of Research Work:

- | | |
|-----------------------------|-------------------------------------|
| a) Writing the Synopsis | <input checked="" type="checkbox"/> |
| b) Review of Literature | <input checked="" type="checkbox"/> |
| c) Data Collection | <input checked="" type="checkbox"/> |
| d) Data Analysis | <input type="checkbox"/> |
| e) Writing the Draft Thesis | <input type="checkbox"/> |

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


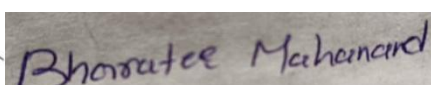
- a) Google Scholar
- b) Research Gate
- c) Academia

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

- a) E-sodhSindhufromINFLIBNET
- b) ProQuest

19. Number of Papers published in referred journals with ISSN:

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

Countersigned by the Research Supervisor

Signature of the Research Scholar



Countersigned by Head