

DATA SHEET FOR RESEARCH SCHOLARS



1. Name of the Scholar: **BASUDEV BACHA**
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9. Funding agency: **UGC ,new Delhi -Rajiv Gandhi National Fellowship**
10. Data of commandment of fellowship:**15:02:2017**
11. Period of fellowship: **5 year**
12. Name of the guided.(Mrs.) **Sunandha Sahoo**
13. Registration number: **not available**
14. A brief abstract of research work:

Soil is a dynamic, living resource and biological mediated processes are central to its ecological functions and have most diverse habitat for above ground as well as below ground living organisms. Soil organisms play an important role in forming and stabilizing soil structure. which includes earthworm, termites, arthropods, millipedes, snails etc. Through their activities, macrofauna influence the physical, chemical and biological status of the soil. However, human activity makes habitat fragmentation which is one of the major threats to invertebrate diversity in semi-natural grassland. Regarding the study on diversity of soil macrofauna in different ecological aspect is very limited and my current research is to address on the effect of different land use practices on soil macrofaunal diversity of Sambalpur district, Odisha. This study will help us to understand the soil fertility, water infiltration and soil detachability in different ecosystems and diversity of soil macro fauna.

15. Status of research work: **Data Collection**
16. Do you have your profile in the following research network: **yes in (a) google scholar**
17. Do you accesss the following e resources subscribed by the university
 - (a)E- sindhu from INFLIBNET-**No**
 - (b) proQuest-**No**
18. Number of paper published in referred journal with ISSN:**No**
19. Mention any two of best publication in APA standard: **No**

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23.2.2018
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Signature of the Research scholar