

DATA SHEET FOR RESEARCH SCHOLARS



1. Name of the Scholar: *Debasis Sahoo*
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8. Contact Number: 9348953430
9. Funding Agency: CSIR HRDG.
10. Date of commencement of Fellowship: 12/09/2018
11. Period of Fellowship: Five Years
12. Title of Research Work: Groundwater resource evaluation in and around Mahanadi River Valley in Sambalpur District, Odisha by Geospatial Technology.
13. Name of the Guide: Dr. Jagadish Kumar Tripathy
14. Registration Number: 23/2021/Geology
15. A Brief Abstract of your Research Work (Within 200 words):

The present research work deals with the quantitative determination of ground water chiefly adopting geospatial technology wherein satellite data of fine resolution will be considered for the preparation of various thematic maps correspondingly to the theme such as lithology, geomorphology, structure, land use Land cover, vegetation, drainage density etc. The above themes are those parameters which control the quantity and occurrence of ground water underneath the surface of earth. The thematic maps prepared by visual interpretation of the satellite data will be analyzed to get first hand information of the quantity of ground water occurring in my study area. In addition to satellite data quantitative estimation will also be done through sounding and undertaking pumping test. All the above information including the field data will be input into GIS environment which ultimately comes out with a ground water potential map which precisely indicates the likely occurrence of ground water in various zones of study area.

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) Research Gate
- c) Academia

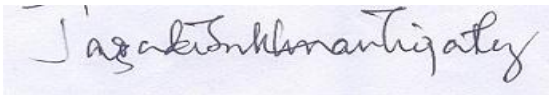
18. Do you access the following e-resources subscribed by the university

- a) E-sodh Sindhu from INFLIBNET
- b) ProQuest

19. Number of Papers published in referred journals with ISSN: 02(0973-4570, 2229-3620)

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

- a) Sahoo, S., Tripathy, J. K., Panda, S. R., & Sahoo, D. (2021). Hydrochemical Assessment of Groundwater in the Spit-Bar System of Chilika Lagoon in Krushnaprasad Block, Odisha, India. *International Journal of Lakes and Rivers*, 14(2), 211-222.
- b) Sahu, P., Sahoo, D., Panda, S. R., & Barik, K. K. ASSESSMENT OF GROUNDWATER QUALITY IN THE KARANJIA BLOCK, MAYURBHANJ DISTRICT, ODISHA.



Countersigned by the Research Supervisor & Head



Signature of the Research Scholar