DATASHEET FOR RESEARCH SCHOLARS

1.	Name of the Scholar: Kiran Bala Patra						
2.	Gender:Female						
3.	Department: P.G. Department of EnvironmentalSciences						
4.	Designation: JRF SRF AnyOther						
5.	Permanent Address:House No 36, Ward No. 02, Khariar Road, Nuapada, Odisha, Pin-766104						
6.	Addressfor Communication: DepartmentofEnvironmentalSciences,Sambalpur University,JyotiVihar, Burla, 768019						
7.	Email ID: kiranpatra46@suniv.ac.in						
8.	ContactNumber:9668900131						
9.	Funding Agency:						
10	. Date of commencementofFellowship:						
11	. Period ofFellowship:						
	. Title of Research Work:Assessment of microplastics and associated ecological and community health risk Hirakud Reservoir, Sambalpur, Odisha.						
13	. Name ofthe Guide: Dr. Iswar Baitharu						
14	. Registration Number:						
15	. ABriefAbstract of yourResearch Work (Within 200words):						
	Microplastic has emerged as a major global concern owing to its persistent and bio-accumulative nature. Microplastics' small size expedites their ingestion at each trophic level leading to biomagnification and bioaccumulation, which coupled with its chronic ubiquity and established detrimental ecotoxicological effects on humans and organisms alike, has raised public concerns. Further, the monomers of plastics and the additives present in them can be potential carcinogens and mutagens and can also cause ecological damage. Yet, there is a stark void in research pertaining to its presence in freshwater ecosystems. Studies on microplastics in reservoirs which can act as its potential sink, along with the ecological and community risks associated with it are found to be even more obscure. The present study is centered on Hirakud Reservoir located in the state of Odisha, which has been recently declared as a Ramsar site. Hirakud Reservoir provides water for industrial, agricultural and pisciculture activities to several districts of Odisha. It is also a major surface water source for drinking water treatment plants for the entire district of Sambalpur. Therefore the present study intends to isolate and quantify microplastics in water and sediments of Hirakud Reservoir, as well as drinking water of Sambalpur city, Odisha. Assessment of ecological risk associated with microplastics in Hirakud Reservoir and assessment of public health risk associated with ingestion of drinking water comprising of microplastics in city of Sambalpur, Odisha, through risk modelling are also objectives of this research. Data obtained in this study could provide a baseline for monitoring and assessing the microplastics, and facilitating future policies to overcome microplastic pollution in the Hirakud Reservoir region.						
16	. Statusof Research Work:						
	a) Writing theSynopsis						
	b) Review of Literature						
	c) DataCollection						
	d) Data Analysis						
	e) Writing the Draft Thesis						

17. Do you have your profile in the following research networks?							
a) GoogleScholar	/						
b) Research Gate	\checkmark						
c) Academia	\checkmark						
18. Do you access the following e-resources subscribed by the university							
a) E-sodhSindhufromINFLIBNET	√]					
b) ProQuest	✓]					
19. Numberof Papers publishedin referredjournals with ISSN:							
20. Mention anytwo of yourbest publications in APA standard:							
Dr. Iswar Baitharu Assistant Professor-II P.G. Department of Environmental Sciences, Sambalpur University			Kiran	Bala	Patra		
CountersignedbytheResearch Supervisor		Signature ofth	e Research S	Scholar			
Paramayuk Countersigned by Head							