

**Name of the Research Scholar-Debashreee Padhi**

**Designation (-PhD Research Scholar)**

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3	<b>PhD Registration Number</b>	03082
4	<b>Name of the Nodal Centre &amp; Address</b>	Sambalpur University, Jyoti vihar, Sambalpur-768019, Odisha
5	<b>Name of the Supervisor(s)</b>	Dr. Biswajit Satpathy, Dr. S.K Kar
6	<b>Details of the Funding Agency</b>	
7	<b>Title of the Research Work</b>	Development of traceability of A2 milk implementing blockchain in desi cow milk processing centre at Mahidharpur established by MSME department, GOI under Sfurti scheme.
8	<b>Brief Abstract of the Research Work(250 Words)</b>	<p>Milk needs to be collected, processed, transported, and stored safely to protect human health. Studies reveal that every year hundreds of million people in the world are affected by diseases due to the consumption of contaminated milk and more than forty thousand lives are lost annually for the same reason. End-to-end milk traceability system has been ignored despite being important to everyone since they are consumed widely all over the world. In India, there are hardly any pure milk and many reliable traceability solutions for domestic dairy products that offer consumers the opportunity to self-validate their purchase. Moreover, Govt. of India wants to help poor cow farmers by making a cluster approach for processing &amp; cooperatively selling their milk. At present, a milk cluster project was sanctioned to help 900 farmers in Mahidharpur, Odisha. In the present study, we are motivated to conduct a research on "How blockchain technology can help address food safety issues, especially in the domestic Milk cluster in India? This research is based on a conceptual approach with both qualitative and quantitative design using data gathered from multiple</p>

			primary & secondary sources. A framework blockchain will be recommended for the present indigenous breed cow dairy cluster to address the traceability issues for helping milk farmers.			
9	<b>Progress of Research Work(Stage)</b>		Writing Paper			
10	<b>Research Experience</b>		2 years			
11	<b>Teaching Experience</b>		1 year			
12	<b>Corporate Experience</b>					
13(A)	<b>Journal Publication</b>					
Year	Author	Co-Author	Title	Name of the Journal	Publisher	Volume/Issue
2016	Debashree Padhi	Diana Padhi; V.S.Murty; Payodhar Padhi	DEHULLING MACHINE FOR ABRASIVE DEHULLING OF QUINOA	Journal of Agriculture, Forestry and Plantation	June 2016;13-15	
2016	Diana Padhi	Debashree Padhi ; Payodhar Padhi.	STUDY THE PUBLIC HEALTH IMPACT OF ZERO EMISSION ECO FRIENDLY INTEGRATED BIOMASS STOVE DEVELOPED FOR RURAL WOMEN – A RECENT SURVEY REPORT	Journal of Agriculture, Forestry and Plantation	Volume 3, June 2016; 61-65	
2017	Debashree Padhi	Diana Padhi;	Study of an IoT based pesticide	Kualalmpur International	July 31-1 <sup>st</sup> Aug	

		Payodhar Padhi	spraying system	Conference in Agriculture, forestry & Plantation 2017	2017	
13(B)	<b>Magazine Publication</b>					
13(C)	<b>Book Chapter Publication</b>					
13(D)	<b>Book Publication</b>					
13(E)	<b>Conference Proceedings Publication</b>					
13(F)	<b>Case Publication (with Teaching Notes)</b>					
13(G)	<b>Conference Presentations</b>					
14	<b>FDPs attended</b>					
15	<b>Professional Associations &amp; Recognition</b>					