

## Research papers

SL. No.	Authors Name	Title of the publications (Research paper, Abstract of proceeding of Seminar/ Symposia/ Workshop etc./ Books/ Book Chapter/ Manuals etc.)	Name of the Journal, Volume No., Issue No., Page No. & Year/ OUAT Publication No.	NAAS Rating as per 2024, if any
<b>Research Publications:</b>				
1.	N. Panda, K.K. Mohapatra, <b>S. Mohanty</b> et al.,	Soil health: concept, principle and roadmaps for management in regenerative agriculture	Journal of modern agriculture and biotechnology, 3(11). <a href="https://doi.org/10.53964/jmab.2024011">https://doi.org/10.53964/jmab.2024011</a>	-
2.	D.Sethi, <b>S. Mohanty</b> , K.K. Mohapatra, P.K.Dash <i>et al.</i>	Exploring the influence of polymers on soil ecosystems: prospective from agricultural contexts	Frontiers in chemical Engineering,6:1485534 doi:10.3389/fceng.2024.1485534	I.F=2.5
3.	J. Das, M. Panigrahy, <b>S. Mohanty</b> , B. Jena <i>et al.</i>	Plant growth-promoting Microbes for sustainable crop production (a Review)	Applied biochemistry and Microbiology, DOI: 10.1134/S0003683823603116	I.F=1
4.	B.R.Sahoo, A.K.Dash, K.K. Mohapatra, <b>S. Mohanty</b> <i>et al.</i>	Strategic management of Nano-fertilizers for sustainable rice yield, grain quality and soil health	Frontiers in Environmental Science,12:1420505 doi:10.3389/fenvs.2024.1420505	10.6
5.		Principal component and cluster analysis in in grain appearance, milling and cooking quality traits in rice (( <i>Oryza sativa</i> L.). <i>Oryza</i> , Vol.61, Issue 4, 2024 pp.(348-358)	Vol.61, Issue 4, 2024 pp.(348-358)	

Research papers presented at International and National Seminars/ Symposia:				
5.	S. Mishra, <b>S. Mohanty</b> , R.K.Nayak <i>et al.</i>	Varietal Screening of Rice cultivars by standardizing potassium dose in an iron toxic acid <i>inceptisols</i>	International conference on Building small Holder Climate resilience for achieving sustainable food systems, Extended summaries, Page no. 273, 274 2024	-
		Study of principal component analysis of grain quality traits in aromatic rice germplasms in Odisha,	TIRC, 2024, ICAR-CRRI, Cuttack, Odisha	