

: FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: Tanmoy Majhi

Designation: Assistant Professor

Department: Agricultural Engineering

School: Agriculture

Research Area: Remote Sensing and GIS, Soil and Water Conservation, Hydrological Modelling.

Details of research portfolio of faculty:

A. Researcher's ID details:

Google Scholar ID: <https://scholar.google.co.in/citations?hl=en&user=K21fcWsAAAAJ>

Orcid ID: <https://orcid.org/0009-0003-0528-8066>

Vidwan ID: <https://vidwan.inflibnet.ac.in/profile/526047>

B. Publication details:

1. Conference proceedings/ Conference paper:

Sl. No.	Name of the Conference	Title of the paper	Month & Year of Publication	Author(s) Name	National/ International	doi number (if any)	ISSN/ISBN no.
	N/A						

2. Publications in SCI/Scopus indexed Journals:

Sl. No	Name of the Journal (mention SCI/scopus)	Title of the paper	Month & Year of Publication	Author(s) Name (Highlight the corresponding and 1 st author in every article)	doi number	Issue No. & Volume No.	Page no.	ISSN of the journal

1.	International Journal of Advanced Biochemistry Research (WoS, NAAS)	Advances in edible films for enhancing food quality and sustainability.	2024	Prasun Chakraborty , Sayantika Chatterjee, Sultana Moriom Biswas and Tanmoy Majhi	https://doi.org/10.33545/26174693.2024.v8.i4a.905	Vol. 8, Issue 4	38-43	2617-4696
2.	International Journal of Agriculture Extension and Social Development (WoS, NAAS)	Impact and implications of drip irrigation systems in Indian agriculture: A comparative analysis.	2024	Shubhodeep Bhattacharya , Bibekananda Bar, Dipak Giri, Avirup Chakraborty and Tanmoy Majhi	https://doi.org/10.33545/26180723.2024.v7.i3Sc.501	Vol. 7, Special Issue 3	224-226	2618-0728
3.	International Journal of Agriculture Extension and Social Development (WoS, NAAS)	Comparative analysis of hydrological models for estimating sediment yield.	2024	Sayantika Chatterjee , Shubhodeep Bhattacharya, Prasun Chakraborty, Altab Monsuri, Sultana Moriom Biswas and Tanmoy Majhi	https://doi.org/10.33545/26180723.2024.v7.i4c.515	Vol. 7, Issue 4	171-176	2618-0728
4.	International Journal of Advanced Biochemistry Research (WoS, NAAS)	Comparative study of artificial neural network and hydrological models towards runoff estimation.	2024	Anusmita Bhowmik , Ankana Moulik and Tanmoy Majhi	https://doi.org/10.33545/26174693.2024.v8.i4b.931	Vol. 8, Issue 4	108-112	2617-4696
5.	International Journal of Research in Agronomy (WoS, NAAS)	Utilization of non-thermal technologies for food preservation: Comparative analysis	2024	Sridipta Paul , Rankita Dhenki, Sreo Sree Roy, Subhangi Sahu and Tanmoy Majhi	https://doi.org/10.33545/2618060X.2024.v7.i4Sb.564	Vol. 7, Special Issue 4	127-130	2618-060X
6.	Journal of Survey in Fishary Sciences (WoS / Scopus/ UGC Care)	Identification Of A Suitable Probability Distribution For Rainfall Analysis Of Bankura District In West Bengal.	2023	Achintya Kumar Pal , Nabanita Sarkar and Tanmoy Majhi	https://doi.org/10.5355/sfs.v10i1S.2313			2368-7500

7.	Journal of Survey in Fishary Sciences (WoS / Scopus/ UGC Care)	Development Of Equation Of Curve To Estimate Volumetric Soil Moisture Content In CaseOf Tensiometer To Overcome The Moisture Measurement Error Due To Time Lag Issues	2023	Tanmoy Majhi and R.K. Biswas	https://doi.org/10.5355/sfs.v10i1S.2311			2368-7501
8.	International Journal of Agriculture and Nutrition (NAAS)	Design and implementatio n of efficient sprinkler irrigation systems	2024	Kailash Samanta, Talha Khalid and Tanmoy Majhi	https://doi.org/10.33545/26646064.2024.v6.i2a.180	Vol. 6, Issue 2	35-37	2664-6072
9.	International Journal of Agriculture and Food Science (NAAS)	A comparative analysis of sensor based irrigation system	2024	Kailash Samanta, Talha Khalid and Tanmoy Majhi	https://doi.org/10.33545/2664844X.2024.v6.i2c.218	Vol. 6, Issue 2	159-162	2664-8458

3. Book chapter:

Sl. No.	Title of the book	Publishers	Author(s) Name (Highlight the corresponding and 1 st author in every article)	Year	ISBN No.	doi no. (if applicable)
1.	Book Harvesting Tomorrow: Innovations Redefining Agriculture Chapter Enhancing Nutritional Value A Comprehensive Exploration of Rice Fortification Strategies and Their Global Health Implications	AkiNik Publications	Prasun Chakraborty, Shubhodeep Bhattacharya, Tanmoy majhi	2024	978-93-6135-113-6	https://doi.org/10.22271/ed.book.2965
2.	Book Innovations and Challenges in Modern Agriculture Chapter Comparative Analysis of Digital Elevation Models (DEM)	Integrated Publications	Ankana Moulik, Tanmoy Majhi	2024	978-93-5834-874-3	http://doi.org/10.62778/int.book.460
3.	Book Agriculture Re-imagined: Innovations and Strategies for Sustainable Growth Chapter Comprehensive Analysis of Water Harvesting Technologies Optimizing Resource Management in Semi-Arid and Arid Regions	Bright Sky Publications	Shubhodeep Bhattacharya, Prasun Chakraborty, Tanmoy majhi	2024	978-93-6233-556-2	http://doi.org/10.62906/bs.book.198
4.	Book Resource Conservation A Way to foster the crop production Chapter Utilization of Remote Sensing and GIS Technologies for Natural Resource Conservation	Department of Agriculture, Swami Vivekananda University Barrackpore	Tanmoy Majhi	2024	978-93-304-3456-1	
5.	Book Balancing Tradition and Innovation: Sustainable Strategies for Modern Farming	Integrated Publications	Tanusree Manna, Prasun Chakraborty and Tanmoy Majhi	2025	978-93-5834-233-8	https://doi.org/10.62778/int.book.536

	Chapter Navigating Scale Challenges in Quantitative Remote Sensing: Insights into Analysis, Processing, and Modeling for Effective Information Scaling					
6.	Book Cultivating Progress: New Frontiers in Agricultural Science and Technology Chapter A Comparative Study on Landsat and Sentinel Satellites	AkiNik Publications	Anusmita Bhowmik , Ankana Moulik and Tanmoy Majhi	2025	978-93-6135-454-0	https://doi.org/10.22271/ed.book.3189
7.	Book Farming 5.0: The Digital Revolution of Agriculture Chapter Drones and Remote Sensing: Revolutionizing Crop Monitoring and Farm Management	Department of Agriculture, Swami Vivekananda University Barrackpore	Tanmoy Majhi	2025	9789334192537	
8.	Book Cultivating the Future Strategies for Sustainable Agriculture Chapter Water-Smart Farming: Efficient Irrigation and Rainwater Harvesting Techniques	Department of Agriculture, Swami Vivekananda University Barrackpore	Tanmoy Majhi	2025	9789334074154	
9.	Book Frontiers in Agriculture: AI, Automation and the future of food Chapter Autonomous Farm Machinery and Robotics	Department of Agriculture, Swami Vivekananda University Barrackpore	Tanmoy Majhi	2025	9789334195347	
10	Book Nutrient Management Practices in Crops and Cropping System Chapter Precision Agriculture and Nutrient Management: Innovations and Practices	Department of Agriculture, Swami Vivekananda University Barrackpore	Tanmoy Majhi	2025	9789334196856	

4. Text/Reference book published from reputed national/international publishers:

Sl. No.	Title of the Text/Reference book	Publishers	Author(s) Name (Highlight the corresponding and 1 st author in every article)	Year	ISBN No.	doi no. (if applicable)
1	Frontiers in Agriculture: AI, Automation and the future of food	Department of Agriculture, Swami Vivekananda University Barrackpore	Tanmoy Sarkar, Parijat Bhattacharya, Rakesh Das Tanmoy Majhi	2025	9789334195347	
2	Resource Conservation: A way to foster the crop production	Department of Agriculture, Swami Vivekananda University Barrackpore	Tanmoy Sarkar Rakesh Das Tanmoy Majhi Sayani Bhowmick	2024	978-93-340-3456-1	

5. Project granted:

Sl. No	Sponsoring Agency	Name of the project	Duration		Amount in Lakhs	PI/ CO-PI
			Starting Month & Year	Ending month & Year		
	N/A					

6. Consultancy Project Grant:

Sl No.	Project title	Funding Agency	Duration	Completed (yes/no)	Sanctioned amount (in Rs.)	PI and CO-PI (if any)
	N/A					

7. Patent/IPR granted:

Sl. No.	Name of the patent	Name of the applicant	Name of the inventor	Date of File	Date of Publication	Whether Granted (yes/no); If yes, Date of Grant	Application No.
N/A							