

: FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: Dr. Rakesh Das

Designation: Assistant Professor

Department: Agricultural Science

School: Agriculture

Research Area: Economic Entomology, Honey bee and Pollinators' Research

Details of research portfolio of faculty:

A. Researcher's ID details:

Google Scholar ID: <https://scholar.google.com/citations?user=J1LHuNoAAAAJ&hl=en>

Orchid ID: 0009-0006-6206-3332

Vidwan ID: 585005

B. Publication details:

1. Conference proceedings/ Conference paper: N/A

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.

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.	Journal of Survey in Fisheries Sciences (WoS / Scopus/ UGC Care)	Luffa Cyindrica (L.) As Potential Foraging Source For Insect Pollinators	2023	Rakesh Das, Amit Layek, Tripti Nandi and Shantanu Jha	https://doi.org/10.53555/sfs.v10i1S.2288	10(1S)	6913-6920	2368-7498

		During Post Monsoon Season –A Study In Gangetic Plain Of West Bengal						
2.	Indian Journal of Entomology (Wos/NAAS)	Status Of Migratory Beekeeping with <i>Apis mellifera</i> L in the Gangetic Plain of West Bengal	2023	Rakesh Das , Amit Layek, Gautam Kunal and Shantanu Jha	https://doi.org/10.55446/IJE.2023.1041			0367-8288
3.	Sociobiology (Wos)	Detection of <i>Ascospheera apis</i> , Causing Chalkbrood Disease in the Colonies of European honey Bee, <i>Apis mellifera</i> L. in West Bengal, India	2023	Rakesh Das , Ritesh Kumar, Gautam Kunal, Suraj Golder, Subrata Dutta and Shantanu Jha	doi.org/10.13102/sociobiology.v70i4.9129	70(4)	1-9	0361-6525
4.	Journal of Survey in Fisheries Sciences (WoS / Scopus/ UGC Care)	A Study On Bio Efficacy Of Cyantraniliprol e 10.6% OD Against Major Sucking Pests Of Watermelon	2023	Amit Layek, Kaushik Pramanik, Rakesh Das and Debarati Seal	https://doi.org/10.53555/sfs.v10i1S.2286	10(1S)	6903-6907	2368-7499
5.	Environment Conservation Journal (Scopus/ UGC Care)	Assessing the bioefficacy of Cyantraniliprol e 10.26% OD against fruit borer and thrips on chilli under field condition	2024	Amit Layek, Kaushik Pramanik, Rakesh Das , Pranabesh Nandi and Pranab Debnath	https://doi.org/10.36953/ECJ.23362607	25(1)	41-49	2278-5124
6.	International Journal of Tropical Insect Science (WoS / Scopus/ UGC Care)	Dearth period pollen foraging pattern by <i>Apis mellifera</i> L., <i>Apis cerana indica</i> F. and <i>Tetragonula bengalensis</i> C. in lower Gangetic alluvium of	2024	Rakesh Das , Tripti Nandi, Gautam Kunal, Amit Layek & Shantanu Jha	https://doi.org/10.1007/s42690-024-01250-4			1742-7592

		West Bengal, India: a comparative study.						
7.	International Journal of Advanced Biochemistry Research (WoS, NAAS)	An understanding of the biochemical foundation for plant-pollinator interactions	2024	Rakesh Das , Madhumita Bhuiya, NU Visakh, Amit Layek and Kaushik Pramanik	https://doi.org/10.33545/26174693.2024.v8.i4Sa.930	SP-8(4)	51-58	2617-4694
8.	International Journal of Advanced Biochemistry Research (WoS, NAAS)	Non-Apis bee pollinators: A way out to the future pollinators' challenge		Sunanda Ghosh, Biresh Koley and Rakesh Das	https://doi.org/10.33545/26174693.2024.v8.i4b.935	8(4)	116-124	2617-4695
9.	International Journal of Advanced Biochemistry Research (WoS, NAAS)	Role of honey bees as beneficial insects: Significance and challenges	2024	Kousik Samanta, Kazi Nazimul Haque, Subhasis Ghorai and Rakesh Das	https://doi.org/10.33545/26174693.2024.v8.i4Sc.964	SP-8(4)	197-203	2617-4695
10.	International Journal of Research in Agronomy (WoS, NAAS)	Snails and slugs: A new threat to crop cultivation	2024	Pallabi Chatterjee, Tuhina Khatun, Mouparna Maji, Krishnendu Roy, Rakesh Das and Tanmoy Sarkar	https://doi.org/10.33545/2618060X.2024.v7.i4e.567	7(4)	306-312	2618-060X
11.	International Journal of Agriculture Extension and Social Development (WoS, NAAS)	Application of geospatial technologies towards pest management in agriculture	2024	NU Visakh and Rakesh Das	https://doi.org/10.33545/26180723.2024.v7.i3Sc.499	SP-7(3)	220-223	2618-0731
12.	International Journal of Agriculture and Food Science	Pesticide resistance in insects: Challenges and sustainable solutions for modern agriculture	2024	Mir Washim, Priya Mandal and Rakesh Das	https://doi.org/10.33545/2664844X.2024.v6.i2b.215	6(2)	121-127	2664-8458
13.	International Journal of Agriculture and Nutrition	Integrating pollinator-friendly practices in modern farming: Balancing crop	2024	Priya Mandal, Mir Washim and Rakesh Das	https://doi.org/10.33545/26646064.2024.v6.i2b.184	6(2)	78-83	2664-6072

		productivity and biodiversity						
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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 Recent Advances in Agricultural Entomology (Volume-1) Chapter Ecosystem Diversity with Ecological Management for Insect Pollinators' Sustainability: A Need of The Hour	SR edu publications	Rakesh Das , Amit Layek and Gautam Kunal	2023	978-93-92941-13-9	-----
2.	Book Modern Facets of Agriculture in India Chapter Diversity and distribution of honeybee species	Department of Agriculture, Swami Vivekananda University Barrackpore	Rakesh Das	2023	978-93-5967-754-5	-----
3.	Book Innovations and Challenges in Modern Agriculture Chapter Recent Advances in Bio-rational Approaches of Pest Management	Integrated Publications	Tuhina Khatun, Pallabi Chatterjee, Krishnendu Roy and Rakesh Das	2024	978-93- 5834-874- 3	https://doi.org/10.62778/int.book.460
4.	Book Harvesting Tomorrow: Innovations Redefining Agriculture Chapter Migratory Beekeeping-Strategy to Foster Beekeeping and Agriculture	AkiNik Publications	Krishnendu Roy, Pallabi Chatterjee, Tuhina Khatun and Rakesh Das	2024	978-93- 6135-113-6	https://doi.org/10.22271/ed.book.2965
5.	Book Agriculture Re-imagined: Innovations and Strategies for Sustainable Growth Chapter Integrated Crop Pollination for Sustainable Agriculture	Bright Sky Publications	Rakesh Das and Madhumita Bhuiya	2024	978-93- 6233-556-2	https://doi.org/10.62906/bs.book.198
6.	Book Emerging Trends in Sustainable Agriculture Chapter Plant-Pollinator Interactions in Response of Herbivore	Department of Agriculture, Swami Vivekananda University Barrackpore	Rakesh Das	2024	978-93-340-0372-7	-----

	Induced Volatiles					
7.	Book Resource Conservation A Way to foster the crop production Chapter Ecological Pest Management: Strategies for Resilient Agriculture	Department of Agriculture, Swami Vivekananda University Barrackpore	Rakesh Das	2024	978-93-304- 3456-1	-----
8.	Book Farming 5.0: The Digital Revolution Of Agriculture Chapter Digital Pest Management: Transforming Traditional IPM for a Sustainable Agricultural Future	Department of Agriculture, Swami Vivekananda University Barrackpore	Rakesh Das	2025	9789334192537	-----
9.	Book Cultivating the Future Strategies for Sustainable Agriculture Chapter The Role of Meliponiculture in Enhancing Pollination Services for Sustainable Agriculture	Department of Agriculture, Swami Vivekananda University Barrackpore	Rakesh Das	2025	9789334 074154	-----
10.	Book Frontiers in Agriculture: AI, Automation and the future of food Chapter Harnessing Artificial Intelligence for Sustainable Beekeeping: A New Frontier in Food Security	Department of Agriculture, Swami Vivekananda University Barrackpore	Rakesh Das	2025	9789334195347	-----
11.	Book Nutrient Management Practices in Crops and Cropping System Chapter Nutrient Imbalance as a Trigger for Insect Pest Outbreaks: Mechanisms and Management Strategies	Department of Agriculture, Swami Vivekananda University Barrackpore	Rakesh Das	2025	9789334 196856	-----
12.	Book Balancing Tradition and Innovation: Sustainable Strategies for Modern Farming Chapter Ecological Engineering for	Integrated Publications	Subrata Mondal and Rakesh Das	2025	978-93-5834- 233-8	https://doi.org/10.62778/int.book.536

	Pest Management: A Need of the Hour					
13.	Book Cultivating Progress: New Frontiers in Agricultural Science and Technologies Chapter Role of Vectors towards Plant Virus Transmission and Mitigation Protocol	AkiNik Publications	Pallabi Chatterjee, Tuhina Khatun, Krishnendu Roy and Rakesh Das	2025	978-93-6135-454-0	https://doi.org/10.22271/ed.book.3189

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)
	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	-----
	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	-----

5. Project granted: N/A

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

6. Consultancy Project Grant: N/A

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

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.

8.