

RESUME

NAME: Dr. SUSANTA KUMAR DE

DESIGNATION: PROFESSOR

CONTACTS:

1. OFFICIAL ADDRESS FOR CORRESPONDENCE:

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4. ORCID ID: _____

5. GOOGLE SCHOLAR PROFILE: _____

6. RESEARCHGATE PROFILE: _____

7. DATE OF BIRTH: 26/11/1963

8. DATE OF JOINING TO THE UNIVERSITY: 15/12/1993



9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D in Agriculture/SWC, F/Ag.	BCKV	1997
MASTER'S	M. Sc in SWC, F/Ag.	BCKV	1990
BACHELOR'S	B. Sc (Hons) in Agriculture	BCKV	1988

10. EMPLOYMENT HISTORY: (Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Professor	BCKV	01.07.2009	Till date
Associate Professor	BCKV	15.12.2003	30.06.2009
Assistance Professor	BCKV	15.12.1993	14.12.2003

11. ADMINISTRATIVE POST(S)/ RESPONSIBILITY(IES) (IF ANY)

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1	In charge RRS(NAZ)	17.11.2013	31.05.2022
2	Head (Dept. of Soil & Water Conservation)	28.03.2018	Till date
3	Associate Dean, College of Agriculture, Susunia	01.06.2022	Till date

12. AREA OF RESEARCH : (Bulleted list)

- Use of Jute Agro Textiles as a mulching material with pitcher pot irrigation management on unutilized & undulated land for orchard development (mango, papaya, citrus and banana) with special emphasis of soil erosion.

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CRE-DIT
UNDERGRADUATE	1.SWAG: 108	Introduction to Forestry	1+1
	2. SWC: 160	Soil and Water Conservation	1+1
	3.EC:312	Watershed and Wetland Management	2+1
	4.ES :360	Environmental Studies and Disaster Management	1+1
POST GRADUATE	1. SWC: 504	Biological aspects of Soil Conservation	2+1
	2.SWC: 557	Soil Water Plant Relationship	2+1
	3.SWC: 602	Pedogenic Evolution in Soil & Classification	2+1
	4.SWC: 651	Soil and Water Resource Planning	2+0
Ph.D.	1.SWC: 703	Advance Water Management Technology Related to Conjunctive Use of Surface and Ground Water.	2+0
	2.SWC: 753	Conservation Agriculture	2+1

14. NUMBER OF STUDENTS SUPERVISED:

Master's_18 (eighteen) Doctoral_07 (seven) & Continuing 04 (four).

15. RESOURCE PERSON FOR OTHER INSTITUTES (involvement in teaching or working as member of academic/ research bodies of other organizations, if any)

- Invitee member of Board of Studies, Department of Soil and Water Conservation, School of Agricultural Sciences, Nagaland University.

16. LIFE MEMBERSHIP OF ACADEMIC SOCIETIES

1. Soil Conservation Society of India, NASC Complex, Pusa Campus, N. Delhi.
2. Academy of Natural Resource Conservation and Management, Lucknow, UP

17. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1	Development of Back yard Citrus and Vegetable Cultivation by Pitcher Pot and Domestic Waste Water Management in Red & Lateritic Zone of West Bengal	Department of Science & Technology, Government of West Bengal	27.09.2010-26.09.2013	PI
2	Socio-economic Upliftment of SC/ST Community through Back Yard Citrus Cultivation by Pitcher Pot Irrigation Under Runoff and Domestic Waste Water.	Department of Science & Technology, Govt. of India, SEED Division.	01.12.2011-30.11.2014	PI
3	Study on jute agro- textiles (JAT) for growth of plants and suppression of weeds	National Jute Board, Ministry of Textiles, Govt. of India.	11.02.2015-10.02.2017	PI
4	Establishment of three different production units for high quality fruit plants, enriched compost and integrated fish farming in the district of Nadia, West Bengal	R I D F, Govt. of West Bengal	01.04.2015-31.03.2021	PI

5	Socio-economic upliftment of SC/ST community through back yard papaya cultivation using jute agro textile with pitcher pot irrigation with run-off and domestic waste water	Department of Science & Technology, Government of West Bengal	01.08.2019-Continuing	PI
6	Utilization of Fallow Land Using Mulch (Jute Agro Textiles & Straw) and Unused Seepage Water for Enhancement of Groundnut and Maize Productivity in Red & Lateritic Zone of West Bengal: A Pilot Study	RKVY(RAFTAAR) Govt. of WB	12.08.2021-Continuing	PI
7	Development of a soil, plant and water testing laboratory for sustaining soil health and agricultural productivity in the Red and Lateritic Zone of West Bengal.	RKVY(RAFTAAR) Govt. of WB	26.07.2022 - Continuing	PI
8	Location-specific strategies for development of agri-hortisylvipastoral system in the undulating terrains of Bankura district" Phase-II COAS, (Extended campus of BCKV), Bankura, West Bengal.	ATMA, Govt. of West Bengal.	19.09.2022 - Continuing	PI
9	Use of Jute Agro Textiles as prospective mulching material to test the suitability of mango based intercropping systems towards increasing crop productivity and promotion of livelihood security for the backward farming community of Red and Lateritic Zones of West Bengal	National Technical textiles Mission (NTTN), Ministry of Textiles, Govt. of India.	18.08.2023 - Continuing	PI

18. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME

A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
	Nil			

B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
	Nil			

19. SEMINAR/ SYMPOSIUM/ WORKSHOP etc

A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	Natural Resource Conservation and Management for Agricultural and Environmental	December 8-9, 2023	Dr. SN Dwivedi Seminar Hall, ICAR-NBFGR, Canal Road, Telibagh, Lucknow (UP)	Chairman of technical session -IV

B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	Sustainable Hill Agriculture	21 Days	ICAR	Capacity Building
2.	Farm Mechanization for oilseed & pulse production	15 Days	Central Instt. of Agril. Engineering	Capacity Building
3.	Prospect of Export of Agro-Based Products	9 Days	Directorate of Education, BCKV	Capacity Building
4.	International Training on Agriculture & the Environment : Practices & Process in Soil & Water	22 Days	MASHAV, ARO & CINATCO	Capacity Building
5.	Application of Remote Sensing & Geographical Information System in Soil Resource Studies Towards Land Use Planning	21 Days	NBSS &LUP. (ICAR) Regional Centre, Salt Lake, Kolkata	Capacity Building

20. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list):

- **National Fellow Award 2019** for significant contribution in Conservation and Management of Soil and Water Resources through various interventions like Pitcher pot irrigation system and Jute Agro Textiles management in different crops. *Soil Conservation society of India, National Scientist Block, A/G, NASC Complex, N. Delhi.*

21. INTERNATIONAL COLLABORATIONS/ INVOLVEMENT, IF ANY (Bulleted list):

- Attending the International Course “**Agriculture & the Environment: Practices & Processes in Soil & Water**” to be held in **Israel**, between November 21, 2006 to December 12, 2006, Organized by the Centre for International Agricultural Development Cooperation (CINADCO/ARO) at Bet Dagan, **Israel**.

22. PUBLICATIONS

A. **BOOKS** : Nil

B. **BOOK CHAPTERS (Best 10)**: Nil

C. **RESEARCH PAPERS (Best 10)**

- i). **Susanta Kumar De**, Sanjib Kumar Bauri and P.K. Tarafdar (2010). Efficient Use of Various Geotextile as Soil Conditioner to Increase Potato Crop Productivity under Inceptisol Soils in West Bengal. *Soil Conservation Society of India. 9(3):187-89.*
- ii). Debabrata Pain, **Susanta Kumar De**, P. K. Tarafdar, Arunabha Pal, Angira Prasad Mahata, Rahul Adhikari, and Sanjib Kumar Bauri. (2013). Efficient Use of Geotextiles as Soil Conditioner to Increase Potato Productivity on Inceptisol of West Bengal. *Soil Conservation Society of India 12(2):104-107*

- iii).Nabanita Adhikari, Arif Disha, Angira Prasad Mahata, Arunabha Pal, Rahul Adhikari, Milan Sardar, Ananya Saha, Sanjib Kumar Bauri, P.K.Tarafdar and **S. K. De;** ”(2016) Efficient use of jute agro textiles as soil conditioner to increase chilli productivity on Inceptisol of west Bengal.” *Soil Conservation Society of India*. 15 (3): 242-245
- iv).N. Adhikari, A. Saha, ¹p.Bandhopadhay, ²s.Mukharjee, P.K. Tarafdar and **S. K. De,** (2018) “Efficient use of jute agro textiles as soil conditioner to increase tomato productivity.” *Journal of crop and weed*, 14(1): 123-126.
- v).Anwasha Sarkar, Sanjib Barui, P.K. Tarafdar and **De, S.K.** (2018). Jute Agro Textile as a Mulching Tool for Improving Yield of Green Gram. *Int.J.Curr.Microbiol.App.Sci*.**7(05)**:3604-3611.doi: <https://doi.org/10.20546/ijcmas.2018.705.416>
- vi).A Sarkar, N Swain, P. K. Tarafdar and **S. K. De.** (2018). Influence of jute agro textiles on improvement of broccoli productivity in inceptisols. *Journal of Pharmacognosy and Phytochemistry*. **7(1)**: 1451-1454.
- vii). Anwasha Sarkar, Sawan Pradhan, PK Tarafdar and **S. K. De.** (2019). Capsicum productivity improvement by use of jute caddies as soil conditioner in an inceptisols. *The Pharma Innovation Journal*. **8(3)**: 378-381
- viii).Sawan Pradhan, Anwasha Sarkar, P. K. Tarafdar, **S. K. De.** (2019). Suitability of Jute Caddies as Partial Growing Media for Sustainable Broccoli Production. *Bulletin of Environment, Pharmacology and Life Sciences*.**8(8)**: 71-75
- ix).A. Sarkar, A. Ghosh, S. Pradhan, P. K. Tarafdar and **S. K. De.** (2019). Determination of Thermal Use Efficiency of Potato and Broccoli Grown under Different Strength of Jute Agro Textile. *Crop Research*. **54(3 & 4)**: 89-93.
- xi).A Sarkar, P K Tarafdar and **S K De.** (2020). Effect of Woven Jute Agro Textile Mulch on Soil Health and Productivity of Banana (*Musa domestica* L.) in New Alluvial Soil. *International Research Journal of Pure & Applied Chemistry*.**21(3)**:1-7.
- x). Arunabha Pal; Rahul Adhikary¹; Monisankar Bera and Milan Sardar and **Susnata Kumar De.** (2022). Application of Different Geotextile in Soil to Improve the Soil Health in Humid and Hot Sub Humid Region of West Bengal, India. *Int.J.Curr.Microbiol.App.Sci*. **9(6)**: 2812-2818.



23.05.2024

Signature with Date