

RESUME

NAME: Dr. Susanta Kumar Pal

DESIGNATION: Professor

CONTACTS:

1. OFFICIAL ADDRESS FOR CORRESPONDENCE:

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4.ORCID ID: 0000-0002-2870-9682

5.GOOGLE

SCHOLAR

PROFILE:

https://scholar.google.com/citations?user=l82_uXcAAAAJ&hl=en

6.RESEARCHGATE PROFILE: www.researchgate.net/profile/Susanta-Pal-2

7.DATE OF BIRTH: 23/11/1959

8.DATE OF JOINING TO THE UNIVERSITY: 28/04/1992



9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	PhD	BCKV	1990
MASTER'S	M.Sc (Ag) in Agril Chem. Soil Sci.	BCKV	1984
BACHELOR'S	B. Sc (Ag) Hons.	BCKV	1982

10. EMPLOYMENT HISTORY:(Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Professor	BCKV	01.08.2005	Till date
Reader (Res)	BCKV	01.08.1996	31.07.2005
Lecture(Res)	BCKV	28.04.1992	31.07.1996
Soil Scientist	Potash Research Institute of India, Gurgaon	03.11.1989	24.04.1992

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

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1.	Head, Department of Agril. Chem. Soil Sci., Faculty of Agriculture	01.09.2019	31.08.2023

12. AREA OF RESEARCH : (Bulleted list)

- Nitrogen Transformation in soil as influenced by N- fertilization and Nitrapyrin
- Transformation and availability of potassium in soil affected by clay mineralogy
- Phosphorus sorption-desorption characteristics of soils under different land use
- Role of iron slime in modifying soil factors to mitigate arsenic in contaminated soils
- Threshold phosphorus level of acidic soils of eastern India
- Influence of lime and organics on phosphorus sorption-desorption kinetics in red-lateritic soils

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	ACSS -103	Fundamentals of Soil Science I	1+1
	ACSS-305	Problem Soils and their	1+1
	CHM-111	Management Engineering Chemistry	1+1
POST GRADUATE	SOIL-501	Soil Physics	2+1
	SOIL-503	Soil Chemistry	2+1
	CC-502	Basic Concepts in Laboratory Techniques	0+1
Ph.D.	SOIL-602	Modern Concept of Soil Fertility	2+0
	SOIL-603	Physical Chemistry of Soil	2+0
	SOIL-608	Clay Mineralogy	2+1

14. NUMBER OF STUDENTS SUPERVISED:

Master's:12 Doctoral: 04

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

- External Expert for the BOS, ASEPAN, Viswa Bharati; From 01.07.2014 for 2 years
- External Expert for the BOS, Dept. of Soil Sci. & Agril. Chem. , Viswa Bharati; From 12.10.2018 for 2 years
- Member of Faculty Council ; From 03.07.2020 for 4 years

16. LIFE MEMBERSHIP OF ACADEMIC SOCIETIES:

- Indian Society of Soil Science
- Crop and Weed Science Society

17. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1.	Influence of Maxgrow organic products on nutrient transformation in relation to yield and quality of potato	M/S Maxgrow Biotech (P) Ltd., Ludhiana	Completed	Co-PI
2.	Promotion of Bengal aromatic rice through improved production and processing system	Rastriya Krishi Vikas Yojana, Govt. of India (Implemented through Govt. Of W.B.)	Continuing	Co-PI

3.	Sustainable rural livelihood employment project for northern disadvantaged districts of West Bengal	NAIP (ICAR), Funded by World Bank & Govt. of India	Completed	Co-PI
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18. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME

A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	Refresher course on Soil Resource Inventory	30 days	NBSS & LUP, Calcutta Centre	Trainee
2.	Short course on Up gradation of Managerial Skills	5 days	Assam Agricultural University, Jorhat	Trainee
3.	Winter Institute on Recent Advances in Computational Statistics	30 days	Dept. of Agril. Statistics, BCKV	Trainee
4.	ICAR sponsored Training Programme on Soil, Manure and Water Analysis	21 days	BCKV	Trainer
5.	Reclamation of Waterlogged Area	7 days	W TC for Eastern Region (ICAR), Bhubaneswar	Trainee
6.	Training on Soil Testing	28 days	BCKV	Trainer
7.	Residential Farmers' training	1 day x 20	ATC, Kalyani	Trainer

19. SEMINAR/ SYMPOSIUM/ WORKSHOP etc

A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	National symposium on <i>Recent Developments in Soil Research</i>	4 days	Rajasthan College of Agriculture, Udaipur	Presenter
2.	National Seminar on <i>Banana Industry –Present Scenario and Future Strategies</i>	3 days	BCKV, Kalyani	Participant
3.	International Symposium on <i>Water, Arsenic and Environmental Crisis in Bengal Basin: Issues, Impact and</i>	2 days	CIRDAP, Dhaka, Bangladesh	Participant

	<i>Strategies</i>			
4.	International Symposium on <i>Water Crisis, Impact of Toxics, Global Warming and Sea Level Rise in Bengal Basin</i>	3 days	BCKV, Kalyani	Participant
5.	Workshop on <i>Agro-climatic regional planning, Cooch Behar (A.C.R.P)</i>	3 days	BCKV, North Bengal Campus, Cooch Behar	Participant
6.	National Seminar on <i>A New Vista to Forage crop Research</i>	2 days	BCKV, Kalyani	Participant
7.	National Symposium on <i>Soil Science: Retrospect and Prospect in the context of Environmental Quality and Food Security</i>	3 days	Indian Society of Soil Science, Kolkata Chapter	Participant
8.	National Symposium on <i>Maintenance of Soil health and Food Security</i>	2 days	BCKV, Kalyani	Participant
9.	National Seminar on <i>Emerging challenges and steps for mitigation of productivity constraints in food legumes</i>	1 day	BCKV, Kalyani	Participant
10.	National Seminar on <i>System intensification towards food & environmental security</i>	4 days	BCKV, Kalyani	Participant
11.	National Seminar on <i>Soil Health --- Agriculture</i>	2 days	Visva Bharati	Resource Person
12.	Golden Jubilee Seminar on <i>Sustainable Soil Health in Ensuring Food Security</i>	2 days	NIRJAFT, Kolkata	Participant
13.	<i>Int. Conference on Agriculture----- Development</i>	2 days	BCKV	Chair person
14.	<i>Int. Symposium on "Eco-efficiency--- ---Allied Research"</i>	4 days	BCKV	Member of Org. Committee
15.	82 nd Annual Convention & National Seminar	4 days	Amity University, Kolkata	Participant
16.	84 th Annual Convention & National Seminar	4 days	BHU, Varanasi	Participant
17.	<i>Int. Conference on Agriculture----- Ecology</i>	2 days	BCKV	Chair person
18.	International Conference on <i>Agricultural Innovation for Sustainable Development Goals with Special Focus on Natural Farming</i>	3 days	BCKV, Kalyani	Participant

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

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

22. PUBLICATIONS

A. **BOOKS:** i) *Soil Sampling and Methods of Analysis*; New India Publishing Agency, New Delhi.

ii) *Textbook of Soil Science*; Oxford & IBH Publishing Co. Pvt. Ltd, New Delhi

iii) *Methods of Soil & Plant Analysis*; New India Publishing Agency, New Delhi.

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

i) *State of Environment Report-West Bengal (2016)*; West Bengal Pollution Control Board

ii) *State of Environment Report- I West Bengal 2021*; West Bengal Pollution Control Board

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

- i) Pal, S.K., Saha, D. and Mukhopadhyay, A.K. (1987) Influence of cropping and N-fertilization on changes in different forms of nitrogen in an alluvial soil. *Plant and Soil*. 101: 137-139.
- ii) Bhonsle, N.S., Pal, S.K. and Sekhon, G.S. (1992) Relationship of K forms and release characteristics with clay mineralogy. *Geoderma*.54: 285-293.
- iii) Sharma, V.K. and Pal, S.K. (1993) Soil properties affecting potassium–buffering capacity of Indian soils. *Indian Journal of Agricultural Sciences*. 63 (4): 240-242.
- iv) Subba Rao, A., Sessa Sai, M.V.R. and Pal, S.K. (1993) Nonexchangeable potassium reserves and their categorization in some soils of India. *J.Indian Soc. Soil Sci.* 41(4) : 667-673.
- v) Pal, S.K. (2011) Phosphorus sorption-desorption characteristics of soils under different land use patterns of eastern India. *Archives of Agronomy and Soil Science*. 57(4): 365-376.
- vi) D. Ghosh, S.K. Pal, S. Mahanta, P.U. Acharjee and P.K. Patra (2020) Role of iron slime in modifying soil factors to mitigate arsenic in contaminated soils. *Agrochimica*. 65 (4):317-329.
- vii) D. Ghosh, S. K. Pal, P.U. Acharjee, S. Mahanta and P.K. Patra (2021) Potentiality of iron slime as an amendment for arsenic-contaminated soil. *Int. J. Environ. Sci. Technol* 19: 8743-8750.
- viii) S. Saha and S. K. Pal (2021) Threshold phosphorus level of acidic soils of eastern India. *Environmental Monitoring and Assessment*. 193: 1-11.
- ix) S. Das, S. Sengupta, P.K. Patra, P.U. Acharjee and S. K. Pal (2022) Appraisal of environmental, ecological and carcinogenic risk due to heavy metals in a sewage and solid waste contaminated area. *Soil and Sediment Contamination: An International Journal*, 32(5) 591-614.
- x) R. Maji, S. Saha and S.K.Pal (2023) Influence of lime and organics on phosphorus sorption-desorption kinetics in red-lateritic soils of West Bengal. *Journal of Soils and Sediments*.1-15.



24.05.2024

Signature with Date