RESUME

NAME: **Prof. Pabitra Kumar Mani**

DESIGNATION: Professor. Agril. Chemistry and Soil Science

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1. **OFFICIAL ADDRESS FOR CORRESPONDENCE:**

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4. **ORICID Id: 0009-0000-0656-0437**

5. **GOOGLE SCHOLAR PROFILE: https://scholar.google.com/citations?user=9If07l0AAAAJ**
   Citations: 1322; h-index 16: i10 index- 22

6. **RESEARCHGATE PROFILE: https://www.researchgate.net/profile/Pabitra-Mani**

7. **DATE OF BIRTH: 07/07/1963**

8. **DATE OF JOINING TO THE UNIVERSITY: 06 /01 /1997**

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9. ACADEMIC PROFILE:

Educational Qualification			
Degree	**University/ Institution**	**Year**	**Class /Grade**
B. Sc.(Ag.) Hons.	**Bidhan Chandra Krishi Viswavidyalaya**	**1985***	**1st Class**
M.Sc. (Ag.) in Agril. Chemistry and Soil Science	**BCKV**	**1987****	**1st Class (OGPA 4.00/4.00)**
Ph.D. Agril. Chemistry and Soil Science	**BCKV**	**1993**	**Thesis : Some aspects of potassium dynamics in soils**

10. Employment history: (Starting from present position)

POSITION	**ORGANIZATION**	**PERIOD**	
		From (Date)	**To (Date)**
Professor	**BCKV**	**06.01.2012**	**Till date**
Associate Professor	**BCKV**	**06.01.2009**	**05.01.2012**
Reader	**BCKV**	**06.01.2006**	**05.01.2009**
Sr. Lecturer (Res.)	**BCKV**	**06.01.2001**	**05.01.2006**
Lecturer	**BCKV**	**06.01.1997**	**05.01.2001**

11. ADMINISTRATIVE POST(S) / RESPONSIBILITES

SL. No.	Name of the Post(s) / Responsibilities	Period	
		From (Date)	To (Date)
1.	**Member; BCKV Council (2012-14).**	2012	2014
2.	**Secretary, PG UG Council, Faculty of Agriculture**	10.12. 2013	30.09.2015
3.	Convener of Faculty lecture Series	2013	2014
4.	Convener: Press and Publicity Committee (Press release for Convocation held at 25th July, 2013)		
5.	Act as a **Centre–In-Charge for conducting AIEE for Agriculture (ICAR)**	2014	2015
6.	Prepared a Draft Plan for Initial Establishment of One New Agricultural College Affiliated to BCKV at Burdwan	27.01.2014	
7.	Convener: Website Committee	2014	2015
8.	Editor and Data Compiler for publishing Officers' and Teachers' Directory of BCKV.	2018	
9.	Seminar Leader of the Department	2019	2022
10.	Organising Secretary, **22nd Convocation of BCKV**	19.05.2023	
11.	**Secretary, PG- UG Council**, Faculty of Agriculture	01.06.2022	30.05.2023
12.	Chief Organiser for Conducting Centenary Birth Celebration of Prof. S.B Chattopadhyay, Founder VC	01.11.2023	
13.	Organiser, Krishi Mela as a part of Golden Jubilee celebration of BCKV.	15-16th Feb, 2024	
14.	Treasurer, Alumni Association BCKV	2012	Till date
15.	Question setter for Indian Bank Probationary Service, Bombay.	2018	Till date
16	Dean, Faculty of Agriculture	04.02.2025	Till date

12. Area of Research :

- **Long-Term Fertility Experiment of Rice–Wheat Cropping System**
- **B and Zn Nutrition**
- **Heavy metal pollution study in Dhapa dumpsite, Kolkata**
- **Coastal Sundarbans**
- **Nitrogen dynamics including N^{15} studies; Introducing PCU, PSCU in West Bengal. Currently working on Nano Urea.**

13. Courses associated with three Faculties and two extended Campus of University:

Level	Course No.	Course Title	Credit
Undergraduate	ACSS-106	Fundamentals of Soil Science	2+1
F/Agril. Engg.	Soil-111	Principles of Soil Science	1+1
F/ Hort	ACSS(H) 158	Soil Fertility and Nutrient Management	1+1

F/Agriculture	ACSS-305	Problematic Soils and their Management	1+1
Mohanpur, Burdwan and Bankura Campus	AGMP-355	Geo informatics and Nanotechnology for Precision farming	1+1
Post Graduate	Soil-502	Soil Fertility and Fertilisers	2+1
	Soil-504	Soil Mineralogy, Genesis and Classification	2+1
Ph.D.	Soil-608	Clay Mineralogy	2+1
	Soil-603	Physical Chemistry of Soil	2+0

14. Number of students supervised:

Master's - 15 Doctoral- 06

List of Ph D students supervised			
	Name of the Students	Thesis submitted	Thesis Title
1.	Tarik Mitran	2012	Improving productivity of rice-based cropping system in the Coastal areas of Sundarbans through soil management
2.	Sudeshna Mondal	2018	Influence of phosphorus build-up on the availability of zinc in soils in a rice based cropping system
3.	Durgesh Kumar Singh	2018	Nutrient management in coastal saline soils with rice based cropping system of the Sundarbans
4.	Agniva Mandal	2022	Impact of controlled-release urea on nitrogen and carbon pools in soils under rice-wheat cropping system
5.	Buddhadev Sarkar	2024	Impact of coated urea on nitrogen and carbon pools under different established methods of rice cultivation
6.	Bisweswar Gorain	2024	Effect of nano-urea on yield and soil properties of rice-wheat cropping system

15. Project Activities

Sl. No.	**Title of the Project**	**Funding Agency**	**Period and Grant (Lakhs)**	**PI/ Co-PI**
1.	Status, causes and impacts of Arsenic contamination in ground water in parts of West Bengal vis-à-vis management of Agricultural systems	ICAR	01.01.1998-30.06.2001 (Grant: **36.0 L)**	**Co-PI**
2.	Assessment And Improvement of Soil Quality and Resilience for Rainfed Production System	ICAR NATP, RRPS-20	2000-2004 (Grants:**26.0 L)**	**Co-PI**
3.	Response of Nutritional and therapeutic product on yield and quality of Potato tubers in West Bengal, India"	Stoller Enterprise, USA.	2007-08 (Grant:2.0 L)	**P.I.**
4.	Strategies for Sustainable Management of Degraded Coastal Land and Water for Enhancing	NAIP project, Comp.–III (GEF)	2009-2014 (**Grant: 145.035 L)**	**Co-CCPI**

	Livelihood Security of the Farming Communities			
5.	"Increasing use efficiency of nitrogen fertilizers under different ecologies with varied cropping systems and management practices"	BRNS, DAE, Mumbai Mega Project	2014 - 2020 **(**Grant: **104.127 L)**	**P.I.**

16. Capacity Building/Faculty Development Programme

A. Organized :

Organized 14 farmer's Training at Sandeshkhali, 24 Pgs(N) under the NAIP, Comp (III) (GEF) mandate of the Project.

Sl. No.	Name of the Programme	Duration	No of Farmers	Role
1	Crop diversification and its management in coastal Sundarbans (at Dhuchanikhali village)	1 Day (29.08.2010)	67	**Coordinator**
2	Vegetable production in the coastal ecosystem (at Tushkhali village)	1 Day (07.02.2011)	71	**Coordinator**
3	A simple method for vermicompost preparation and its utility in salt-affected area (at Korakati village)	1 Day (05.03.2011)	86	**Coordinator**
4	Composting and vermicomposting (at Dhuchanikhali village)	1 Day (06.03.2011)	43	**Coordinator**
5	Livestock Health Management (at Tushkhali village)	1 Day (22.08.2011)	122	**Coordinator**
6	Composting and vermicomposting (at Tushkhali village)	1 Day (08.02.2012)	52	**Coordinator**
7	A simple method for vermicompost preparation and its utility in salt-affected area (at Dhuchanikhali village)	1 Day (26.09.2012)	61	**Coordinator**
8	Crop diversification and its management in coastal Sundarbans (at Korakati village)	1 Day (10.11.2012)	36	**Coordinator**
9	Livestock Health Management (at Dhuchanikhali village)	1 Day (17.02.2013)	56	**Coordinator**
10	Crop diversification and its management in coastal Sundarbans (at Tushkhali village)	1 Day (14.04.2013)	38	**Coordinator**
11	Vegetable production in coastal ecosystem (at Dhuchanikhali village)	1 Day (15.04.2013)	57	**Coordinator**
12	Easy techniques for fish cultivation in paddy cum fish culture (at Tushkhali village)	1 Day (20.05.2013)	116	**Coordinator**
13	Simple method for Vermi-compost Preparation and its utility in salt-affected area (at Tushkhali village)	1 Day (21.05.2013)	69	**Coordinator**

14	Easy techniques for fish cultivation in paddy cum fish culture (at Dhuchanikhali village)	1 Day (21.05.2013)	47	**Coordinator**

17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc ORGANIZED : Nil

18. HONOURS/ AWARDS/ RECOGNITION :

- Recipient of **ISCA Young Scientist Award** in Agricultural Sciences Section conferred by Indian Science Congress Association, during 82nd Session at Goa in **1993**.
- Recipient of **Zonal Award (East Zone)** for best Ph. D Thesis conferred by Indian Society of Soil Science, New Delhi, in **1994.**
- Recipient of **Best Paper Presentation Award in 17th State Science and Technology Congress**, held at WBUAFS, Belgachia, 4-5th March**, 2010.**
- Recipient of **the Best Poster Presentation Award for the paper "**Effect of organics application on soil biological indices and rice yield under different rice-based cropping system in Coastal Sundarbans**" by** Tarik Mitran**, P. K. Mani,** B. Mandal, and D. Mazumdar, during 77th Annual Convention of ISSS held at PAU, Ludhiana, on 3rd December, **2012.**
- Recipient of **the Best Poster Presentation Award for the paper "**A study of nitrogen use efficiency in SRI over direct seeded and transplanted rice" by Chowdhury Monirul Haque, Aritra Saha, and Pabitra Kumar Mani during the 82nd Annual Convention and National Seminar on " Developments in Soil Science-2017" of ISSS held at Amity University, 11-14 December **2017**.
- Global Environmental Facilitator (GEF) (World Bank) appreciated 3 best Success stories from BCKV Centre (selected for publication in the GEF Annual report **2014**).
- Recipient of **Fellowship of West Bengal Academy of Science and Technology**(2025)

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

20. PUBLICATIONS

A. BOOKS Book Chapter : 7

B. RESEARCH PAPERS (Best 10)

1) Majumdar, B., Mandal, B., Bandyopadhyay, P.K., Gangopadhyay, A., **Mani, P. K**., Kundu, A.L., Mazumdar, D. (2008). Organic Amendments Influence Soil Organic Carbon Pools and Rice–Wheat productivity, *Soil Sci. Soc. Am. J.* **72(3):** 775-785. doi:10.2136/sssaj2006.0378 **(NAAS rating: 8.90) (Citations: 395)**

2) Bandyopadhyay, P. K., Saha, S., **Mani, P.K**. and Mandal, B. (2010). Effect of organic inputs on aggregate associated organic carbon concentration under long-term rice–wheat cropping system. *Geoderma* **154:**379–386. https://doi.org/10.1016/j.geoderma.2009.11.011 (**NAAS rating**: **12.10**) **(Citations: 199)**

3) Mitran, T., **Mani, P.K**., Ray, M., and Mazumdar, D. (2016). Long–term manuring and fertilization influences soil inorganic phosphorus transformation vis-a-vis Rice yield under Rice-Wheat cropping system. *Archives of Agronomy and Soil Science*.62 (1):1-18 http://dx.doi.org/10.1080/03650340.2015.1036747 **(NAAS: 8.40). (Citations: 53)**

4) Mitran, T. and **Mani, P. K**. (2017). Effect of organic amendments on rice yield trend, P use efficiency, Uptake and Apparent P balance in soil under long-term rice-wheat rotation. *J Plant Nutrition***. 40(9):**1312-1322. http://dx.doi.org/10.1080/01904167.2016. 1267205 (**NAAS: 8.10**). **(Citations: 46**)

5) Mitran, T., **Mani, P.K**., Basak, N. and Mandal, B. (2017). Application of organics influences soil biological indices vis-a-vis rice equivalent yield in different Rice-based cropping system under low land situation in Coastal Sundarbans of India. *Comm. Soil Sci. Plant Anal. 48;*170-185. http://dx.doi.org/10.1080/00103624.2016.1254229, **ISSN** 0010-3624 (Print), 1532-2416 (Online) **(NAAS: 7.80) (Citations: 37**)

6) Mitran, T., **Mani, P**. K., Basak, N. and Bandyopadhyay, P.K. (2018). Effects of Organic Amendments on Soil Physical Attributes and Aggregate-Associated Phosphorus Under Long-Term Rice-Wheat Cropping. *Pedosphere*, 28(5), 823-832. https://doi.org/10.1016/S1002-0160(17)60423-5 **(NAAS :11.70) (Citations: 71).**

7) **Mani, P.K**., Mandal, A., Mandal, D. Irfan, M., Hazra, G,C., Saha, S. (2021). Assessment of non-carcinogenic and carcinogenic risks due to ingestion of vegetables grown under sewage water irrigated soils near a 33 years old landfill site in Kolkata, India. *Exposure and Health*, 13: 629-650. https://doi.org/10.1007/s12403-021-00407-7 **(NAAS: 17.70**). **(Citations: 16**)

8) Mitran, T., Basak, N., **Mani, P K**., Tamang, A., Singh, D.K., Biswas, S., Mandal, B. (2021). Improving crop productivity and soil quality through soil management practices in Coastal saline Agro-ecosystem. Journal of Soil Science and Plant Nutrition. **21**:3514–3529. https://doi.org/10.1007/s42729-021-00624-8 **(NAAS: 9.61). (Citations: 9**)

9) Mandal, A. Majumder, A., Dhaliwal, S S., Toor, A.S. **Mani, P.K**., Naresh, R.K., Gupta R.K. and Mitran T (2022). Impact of agricultural management practices on soil carbon sequestration and its monitoring through simulation models and remote sensing techniques: A review. *Critical Reviews in Environmental Science and Technology*. 52(1):1-49. https://doi.org/10.1080/10643389.2020.1811590 **(NAAS:18.60). (Citations: 90**)

10) Ghosh, A., Mitran, T. and Mani, P.K. (2024). Estimation of soil nitrogen content influenced by different nitrogen-based management practices within Rice-based cropping using Diffuse Reflectance Spectroscopy and Machine Learning. *Communications in Soil Science and Plant Analysis*. https://doi.org/10.1080/00103624.2024.2433703. (NAAS:7.80)

Signature with Date
09.05.2025