RESUME

NAME: P	rof. Pabitra	Kumar Mani
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DESIGNATION: Professor. Agril. Chemistry and Soil Science

CONTACTS: 8777592977 / 9477465968

- 1. OFFICIAL ADDRESS FOR CORRESPONDENCE:
- 2. PHONE : Mobile: 9477465968 Whats App: 8777592977
- 3. EMAIL: Institutional: mani.pabitra.kr@bckv.edu.in,

Alternative: pabitramani@gmail.com

- 4. ORCID ID: _
- 5. GOOGLE SCHOLAR PROFILE: <u>https://scholar.google.com/citations?user=9If07l0AAAAJ</u> Citations: 1108; h-index 14: i10 index- 20
- 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

9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH	INSTITUTE	YEAR OF
	DISCIPLINE/ DEPARTMENT		PASSING
DOCTORAL	Agril. Chemistry and Soil Science	BCKV	1993
MASTER'S	Agril. Chemistry and Soil Science	BCKV	1987
BACHELOR'S	B. Sc. Ag. (Hons.)	BCKV	1985

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)/ RESPONSIBILIY(IES) (IF ANY)

SL.	NAME OF THE POST(S) / RESPONSIBILITY(IES)	PERIOD	
NO.		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.	Act as a Centre-In-Charge for conducting AIEE for	2014	2015
	Agriculture (ICAR)		



4.	Convener: Website Committee	2014	2015
5.	Editor and Data Compiler for publishing Officers' and Teachers' Directory of BCKV.	2018	
6.	Seminar Leader of the Department	2019	2022
7.	Organising Secretary, 22 nd Convocation of BCKV	19.05.2023	
8.	Secretary, PG- UG Council, Faculty of Agriculture	01.06.2022	30.05.2023
9.	Treasurer, Alumni Association BCKV	2012	Till date

12. AREA OF RESEARCH : (Bulleted list)

- Long-Term Fertility Experiment of Rice –Wheat Cropping System
- C sequestration
- B and Zn Nutrition
- Heavy metal pollution study in Dhapa dumpsite, Kolkata
- Coastal Sundarbans: Sandeshkhali Block
- Nitrogen dynamics including N¹⁵ studies; Introducing PCU, PSCU in West Bengal

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	ACSS-103	Fundamentals of Soil Science	1+1
	Soil-111, (Agril. Engg).	Principles of Soil Science	1+1
	ACSS(H) 158 (F/ Hort.)	Soil Fertility and Nutrient Management	1+1
	ACSS-305	Problematic Soils and their Management	1+1
	AGMP-355	Geo informatics and Nanotechnology for Precision farming	1+1
POST GRADUATE	Soil-504	Soil Mineralogy, Genesis and Classification	2+1
	Soil-509	Remote sensing and GIS techniques for soil and crop studies	2+1
Ph.D.	Soil-608	Clay Mineralogy	2+1
	Soil-653	Physical Chemistry of Soil	2+0
	Soil-751	Geomorphology and Geochemistry	2+0

14. NUMBER OF STUDENTS SUPERVISED:

Master's - 14 Doctoral- 05

15. RESOURCE PERSON FOR OTHER INSTITUTES (involvement in teaching or working as member of academic/ research bodies of other organizations, if any) • Acted as an External Examiner and Question setter of :

- 1. Orissa University of Agriculture and Technology, Bhubaneswar
- 2. Kalyani University, Kalyani
- 3. Visva-Bharati, Bolpur

- 4. Uttar Banga Krishi Viswavidyalaya, Pundibari
- 5. Assam Agriculture University, Jorhat
- 6. Bihar Agriculture University (Sabor)
- 7. Central Agriculture University (Pasighat)
- 8. College of Agriculture, Central Agricultural University, Imphal
- 9. Tripura College of Agriculture, Tripura
- 10. College of Post Graduate Studies in Agriculture, Umiam, Meghalaya

• Acted as Reviewer of the Journal

- Journal of Indian Society of Soil Science
- European Journal of Soil Science
- Archives of Agronomy and Soil Science
- Frontiers
- Journal of Potassium Research
- Journal of Crop and Weed
- University of Mauritius Research Journal
- ISRO Land Degradation
- International Journal of Basic and Applied Agricultural Research (IJBAAR)
- Board of Research on Nuclear Science, BARC
- SATSA Mukhapatra
- Journal of Agriculture and Technology
- Moderator of Question papers at UG level: Visva-Bharati
- Ph.D. Comprehensive viva voce exam: Sushmita Konwar and Subham Roy (AAU) 28.02.23
- **Thesis Evaluation** (from Assam Agricultural University)
 - Pinky Kumbang (Regn. No. 313 of 2007, Roll No.11-AMJ-91)... M.Sc
 - Jeewan Job Shangne (Regn.No.408 of 2013,Roll No.13-AMJ-113)--M.Sc
 - Rashmi Baruah (Regn. No. 411 of 2012, Roll No. 12-ADJ-48) ... Ph. D.
 - Nilim Kalita (Regn No. 254 of 2016, Roll No. 2016-ADJ-77)....Ph.D.
 - Samikhya Bhuyan (Regn.No144 of 2011;Roll No.2019-ADJ-69).... Ph.D. (2023)
 - Laxmanarayanan M (Reg. No. 80 of 2019) (Roll No.2019-ADJ-66).. Ph.D. (2023)
 - Kondareddy AN (Regn. No. 276 of 2018, Roll No. 2018-ADJ-68), Ph.D. (2022)
 - Thesis Viva-Voce of Uddipan Rajkonwar, from AAU; Ph. D (10.10.2017)
- Thesis evaluation (from Uttar Banga Krishi Viswavidyalaya) Basabduttaa Bhabai (Regn. No. A-2017-02-D) Ph. D. 2023

16. LIFE MEMBERSHIP OF ACADEMIC SOCIETIES

Indian Society of Soil Science

Crop and Weed Science Society

17. PROJECT ACTIVITIES

Sl.	TITLE OF THE PROJECT	FUNDING	ONGOING/	PI/ Co-PI
No.		AGENCY	COMPLETED	
1.	Status, causes and impacts of Arsenic contamination in ground water in parts of West Bengal vis-à- vis management of Agricultural systems	ICAR	Completed 01.01.1998- 30.06.2001	Со-РІ
2.	Characterisation and mapping of rice-wheat system-its changes and constraints to system sustainability	ICAR NATP, PSR-17	01.11.1999- 31.12.2002	Collaborating Scientist
3.	Assessment And Improvement of Soil Quality and Resilience for Rainfed Production System	ICAR NATP, RRPS-20	Completed 2000-2004	Co-PI
4.	Response of Nutritional and therapeutic product on yield and quality of Potato tubers in West Bengal, India" sponsored	Stoller Enterprise, Inc, USA.	Completed (2007-08)	P.I.
5.	Strategies for Sustainable Management of Degraded Coastal Land and Water for Enhancing Livelihood Security of the Farming Communities	NAIP project, Component– III (GEF Funded),	Completed 2009-2014	Со-ССРІ
6.	"Increasing use efficiency of nitrogen fertilizers under different ecologies with varied cropping systems and management practices"	BRNS, DAE, as of the Pilot Project as Component 4	Completed 2014 - 2020	P.I.

18. 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	1 Day	52	Coordinator

	(at Tushkhali village)	(08.02.2012)		
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

B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	Imparting training to the farmers on the package of practices of pulses and oilseeds during the FLD programme organized by the AICRP on Cropping Systems	One day each	Gangajalghanti, Pandua	Interaction with farmers

19. SEMINAR/ SYMPOSIUM/ WORKSHOP etc

A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

B. ATTENDED

SL.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
NO.				
1.	International Symposium on	Dec.3-5,	PRII and IPI,	Presented as
	"Importance of potassium in nutrient	2001	held in New	Poster
	management for sustainable crop		Delhi	
	production in India (Abstract No. 35)			

2	Netional Commenciation Descrit	N 17 10	CDDI	Teel
2.	National Symposium on Recent	Nov. 17-19,	CRRI,	Lead
	Advances in Rice-based Farming	2004.	Cuttack,	Speaker
2	Systems.	1-4 th Dec.,	CCVUDVVV	Duccontation
3.	Attended 26th Workshop of AICRP on	,	CSKHPKVV,	Presentation
4	Cropping System	2004	Palampur	of the research
4.	International Conference on Soil,	Jan. 28-	IARI, New	presented at
	water, and Environmental quality-	Feb.1, 2005	Delhi	poster
-	issues and strategies	T 1 0 1 7		session
5.	Attended and presented a paper at the	July 9-15,	Philadelphia,	presented at
	18 th World Congress of Soil Science,	2006	Pennsylvania.	poster
(USA	session
6.	IPI-OUAT-IPNI International	Nov.5-7,	OUAT and	paper
	Symposium On "Potassium Role and	2009.	IPI, held at	presented
	Benefits in Improving Nutrient		OUAT,	
	Management for Food Production,		Bhubaneswar	
	Quality and Reduced Environmental			
-	Damages"	22 25th	TADI	
7.	National Seminar on Developments in	22-25 th	IARI. Now Dolhi	paper
	Soil Science held during the Platinum	December,	New Delhi	presented
	Jubilee of the Indian Society of Soil Science	2009.		
8.	34 th Indian Social Science Congress	10-14 th	Dr.B.R.	Oral
0.	held at Dr. B. R. Ambedkar University	March,	Ambedkar Univ.	
	neid at DI. B. R. Ambedkar Omversity		Hyderabad	presentation
9.	Attended NAIP Comp-III (GEF) CIC	2010. 22nd July,	CSSRI,	Co-CCPI
9.	meeting of the project entitled	2010 July,	Canning	CO-CCI I
	"Strategies for sustainable	2010	Caming	
	management of degraded coastal land			
	and water for enhancing livelihood			
	security of farming communities"			
10.	Presented a paper at the 75th Annual	14-17	IISS, Bhopal	Oral
10.	Convention of the Indian Society of		noo, biiopai	presentation
	Soil Science	2010.		presentation
11.	Attended Biennial Workshop of	December	ANGRAU,	
	AICRP on Integrated Framing System	10-13, 2010.	Hyderabad,	
12.	Participated Live programme in Krishi	Telecast at	Kolkata	Expert
	darshan programme of Kolkata	5.30 p.m. on	Doordarshan	r
	Doordarshan on the topic" Use of	12.04.2011		
	organic manures in cropping			
	sequence"			
13.	Live programme in Krishi Darshan	Telecast at	Kolkata	Expert
	programme of Kolkata Doordarshan on	5.30 p.m. on	Doordarshan	*
	the topic "Use of Micronutrients in	29.11.2011.		
	Agriculture"			
14.	Attended NAIP Comp-III (GEF) CAC	23rd March,	Nimpith	Co-CCPI
	meeting of the project entitled	2012.	KVK,	
	"Strategies for sustainable		Nimpith	
	management of degraded coastal land		during	
	and water for enhancing livelihood			
	security of farming communities"			
15.	Attended NAIP Comp-III (GEF) Mid-	16 th May,	NASC	Co-CCPI
101		10 may,	11100	

		2012	0 1	
	term Review Workshop of the project	2012.	Complex,	
	entitled "Strategies for sustainable		New Delhi-12	
	management of degraded coastal land			
	and water for enhancing livelihood			
1.6	security of farming communities"			a con
16.	Attended NAIP Comp-III (GEF)	31st	NIRJAFT,	Co-CCPI
	Meeting of Country Portfolio	December,	Kolkata,	
	Evaluation (CPE) of GEF Project in	2012.		
	India entitled "Strategies for			
	sustainable management of degraded			
	coastal land and water for enhancing			
	livelihood security of farming			
17	communities"	orth M 1	NACO	A C DI
17.	Attended Group discussion on	25 th March,	NASC	As Co-PI
	Simulating Nitrogen Dynamics in	2013	Complex, New Delhi-12	
10	Ganga Basins of India Delivered Lectures on "Selection of	13.05.2013		Invited
18.	crops for green manuring in eco-	15.05.2015	Agricultural Training	
	friendly agriculture", to women		Centre,	Speaker
	farmers		Kalyani	
19.	Attended NAIP Comp-III (GEF) CAC	26-28th	Sundarban	Co-CCPI
17.	meeting of the project entitled	October,	(Cruise	0-0011
	"Strategies for sustainable	2013	Paramhansa	
	management of degraded coastal land	2015	i arannansa	
	and water for enhancing livelihood			
	security of farming communities"			
20.	Attended a group discussion at BARC,	14-17th Sept.	Mumbai	PI
	Mumbai	2015.		
21.	Attended a group discussion at BARC,	10-11 th Nov.,	Mumbai	PI
	Mumbai	2016		
22.	Attended 82 nd Annual Convention and	11-14	Amity	Poster
	National Seminar on "Developments	December,	University	Presentation
	in Soil Science-2017" of ISSS	2017.	Kolkata	
23.	Delivered on "Soil Health" at	5 th December,	Vivekananda	Invited
	Vivekananda Institute of	2017	Institute of	lecture
	Biotechnology, Nimpith		Biotechnolog	
			y, Nimpith	
24.	Participated Live programme in Krishi	Telecast at	Kolkata	Invited
	darshan programme of Kolkata	5.30 p.m. on	Doordarshan	Speaker
	Doordarshan on the topic "Krishi o	02.01.2018.		
25	Paribesh"	12-13 th	Valuer'	Destar
25.	Attended National Conference on		Kalyani	Poster Presentation
	"Innovative farming for Food and Livelihood security under Changing	January, 2018.		rresentation
	Climate" held at BCKV	2010.		
26.	Delivered invited lecture on "Soil	5th	Soil Survey	Invited
40.	Health - Be the solution to soil	December,	Department,	lecture
	pollution"	2018.	Department, DC Bldg,	
	Ponution	2010.	Kalyani	
27.	Attended State level workshop on	February	FACC.	Poster
	"Current strategies and emerging issues	26-27, 2019	BCKV.	Presentation
	Current su acegies and enterging issues	20-27,2017	DCIXY.	ricsentation

-	1		1	
	of soil-water-environmental			
	management in agricultural system"			
28	Attended National Seminar on "Agro-	16 th	SAMETI,	Invited
	chemical inputs and its extension	November,	Narendrapur,	Lecture
	approaches towards food-security and	2019	West Bengal	
	bio-safety: Prospects & Challenges			
	(AEFS-2019)"			
29.	Attended International Seminar on	November	Farmers'	Poster
	"Agriskills for Convergence in	28 –	Academy &	Presentation
	Research, Industry & Livelihood	December	Convention	
	(ACRIL 2019)" organized by the Crop	01, 2019	Centre BCKV,	
	and Weed Science Society (CWSS),		Kalyani,	
	Bidhan Chandra Krishi Viswavidyalaya		Nadia, WB.	
30.	Delivered on "Soil health restoration in	5 th Dec.	CIFRI,	Invited
	coastal saline area to enhance crop and	2021	Barrackpore	Lecture
	water productivity" at Central Inland		_	
	Fisheries Research Institute,			
	Barrackpore.			
31.	Delivered on "Soil where food begins"	5 th Dec.	CR Farm,	Invited
	at Central Research Farm, BCKV	2022	Gayeshpur	Lecture
	Gayeshpur, Nadia.		_	
32.	Delivered on "Soil and water: A source	5 th Dec.	CR Farm,	Invited
	of life" at Central Research Farm,	2023	Gayeshpur	Lecture
	BCKV, Gayeshpur, Nadia.		_	

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

- 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).

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

22. PUBLICATIONS

A. BOOKS: Nil

B. BOOK CHAPTERS : (7)

- (i) Samui, R.C., Bandopadhyay, P. and **Mani, P.K**. (2002). State-wise issues and technologies of oilseed based cropping systems: West Bengal. In Proc. of Oilseed based cropping systems: issues and technologies (part iii) (eds.) B. Gangwar, S.K. Sharma, and R. L. Yadav, PDCSR, Modipuram, UP, pp.354-360.
- (ii) **Mani, P.K**. (2011.) Manure for vegetable production in Fundamentals of Vegetable Production (Ed. S. K. Rana), NIPA publishers, New Delhi.
- (iii) **Mani, P.K**. (2011). Fertilizers in vegetable production in Fundamentals of Vegetable Production (Ed. S. K. Rana), NIPA publishers, New Delhi. 2011.
- (iv) Pramanik, M, Mani, P.K., Ray, M., Mitran, T., Chatterjee, S., Chandran, N, Kundu, A.L., Samui, R.C., Mazumdar, D., Sahu, P.K., and Mandal, B. Long term integrated nutrient management in cereal based cropping systems (eds: Gangwar, B. *et al.*(2014) Integrated nutrient supply of Rice-Wheat System; Kalyani Centre:AICRP on IFS, Modipuram. Meerut. pp. 140-152)
- (v) Mani, P.K. and Mondal, S. (2016). Agri-nanotechniques for plant availability of Nutrients". In: Kole, C, Sakthi Kumar, D., Khodakovskaya, M. V. (Editors), Plant Nanotechnology: Principles and Practices. Springer: ISBN 978-3-319-42154-4. https://doi.org/10.1007/978-3-319-42154-4
- (vi) Mani. P.K., Mandal, A., Biswas, S., Sarkar, B., Mitran, T and Meena, R.S. (2021). Remote Sensing and Geographic Information System: A Tool for Precision Farming. Chapter 2). In: Mitran, T., Meena. R.S., Chakraborty, A.(Editors) Geospatial Technologies for Crops and Soils. Springer, 8-981-15-6864-0 (eBook) <u>https://doi.org/10.1007/978-981-15-6864-0</u>
- (vii) Mandal, A. Dhaliwal, S.S., Mani, P. K., Toor, A.S. (2021). Conservation agricultural practices under organic farming. Chapter 2. In: Meena, VS., Meena, S.K., Rakshit, A., Stanley, J., Rao, S.(Editors). Advances in organic farming. <u>https://doi.org/10.1016/C2019-0-04079-4</u>

C. RESEARCH PAPERS (Best 10)

- 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)
- 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)
- Mitran, T., Mani, P.K., Ray, M., and Mazumdar, D. (2015). 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*. <u>http://dx.doi.org/10.1080/03650340.2015.1036747</u> (NAAS: 8.40).

- 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. <u>http://dx.doi.org/10.1080/01904167.2016</u>. <u>1267205</u> (<u>NAAS: 8.10</u>).
- 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. <u>http://dx.doi.org/10.1080/00103624.2016.1254229</u>, ISSN 0010-3624 (Print), 1532-2416 (Online) (<u>NAAS: 7.80</u>)
- Saha, A., Mani, P.K., Hazra, G.C. and Mitran, T. (2017). Assessing suitability of different extractants for determining available Boron in soil. *J Plant Nutrition*. 40(19): 2651–2661 (<u>NAAS: 8.10</u>) <u>http://dx.doi.org/10.1080/01904167.2017.1381125</u>
- 7) 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. <u>https://doi.org/10.1016/S1002-0160(17)60423-5</u> (I. Factor: 3.736; <u>NAAS :11.70).</u>
- 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*. <u>https://doi.org/10.1007/s42729-021-00624-8</u> (NAAS: 9.61).
- 9) 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*, <u>https://doi.org/10.1007/s12403-021-00407-7</u> (<u>NAAS:</u> <u>12.70</u>).
- 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. <u>https://doi.org/10.1080/10643389.2020.1811590</u> (NAAS: 18.60).

Pabitra Kumas Mani

Signature with Date 29.04.2024