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### Curriculum Vitae of Dr. P. K. Mani

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1. **Name in full** : Dr. Pabitra Kumar Mani
2. **Date of Birth** : July 7, 1963
3. **Field of Specialization** : Soil Science (Soil Fertility and Soil Chemistry)
4. **Designation** : Professor
5. **Place of posting** : Department of Agricultural Chemistry and Soil Science, BCKV
6. **Date of joining** : 06.01.1997
7. **Service Experience** : Twenty years
8. **Address**
  - a) **Official:** Department of Agricultural Chemistry and Soil Science  
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### 9. Academic Career and Professional attainments:

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#### (a) Educational Qualification

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Degree	University/ Institution	Year	Class /Standings
B. Sc.(Ag.) Hons.	B C Krishi Viswavidyalaya	1985	1 <sup>st</sup> Class
M.Sc. (Ag.)	BCKV	1987	1 <sup>st</sup> Class ( <b>OGPA 4.00/4.00</b> )
<b>Ph.D.</b>	BCKV	1993	<b>Thesis</b> : Some aspects of potassium dynamics in soils

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#### (b) Training participated:

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Organisation/Institute	Title	Duration	Time period
<b>(i) IARI, New Delhi</b>	Assessment and Modeling of soil and plant growth parameters by <b>Remote sensing and GIS</b> ”	21 days	<b>July 9-29, 1997.</b>
<b>(ii) IARI, New Delhi</b>	Use of <b>isotopes and radiations</b> in soil plant relationships	30 days	<b>15<sup>th</sup> April -14<sup>th</sup> May,1998.</b>

Organisation/Institute	Title	Duration	Time period
(iii) BCKV, W.B.	Advanced strategies for the mitigation of <b>heavy metals</b> and Arsenic pollution in agricultural production system	<b>21 days</b>	<b>Dec. 6-26, 2005</b>
(iv) BCKV, W.B.	<b>Data Analysis using SAS</b>	<b>6 days</b>	<b>Feb.13-18, 2012</b>
(v) IISS, Bhopal	Application of <b>Nanotechnology</b> in Soil Science & Plant Nutrition Research	<b>10 days</b>	<b>Sept.18-27, 2012</b>

#### 10. Service details:

Date of Joining	Institute and place of posting	Designation
06.01.1997	BCKV at North Bengal Campus (now UBKV) at AICRP on <b>Jute &amp; allied Fibres</b> , Pundibari	<b>Lecturer (Res.)</b>
06.01.2009	BCKV at Department of Agril. Chem. Soil Science	<b>Associate Professor</b>
06.01.2012	BCKV at Department of Agril. Chem. Soil Science	<b>Professor</b>

11. **Teaching** Lecture notes uploaded in [www.slideshare.net](http://www.slideshare.net) and appreciated by the Organiser
- ACSS-451 (1+1) (Soil Fertility and Nutrient Management)**  
**ACSS-452(0+3) (Soil, Water and Plant Analysis)**  
**ACSS-504 (2+1) (Soil Mineralogy, Genesis, Classification and Survey)**  
**ACSS-510 (2+0) (Physical Chemistry of Soils)**  
**ACSS –653 (2+1) (Remote sensing and GIS techniques for soil and crop studies)**

#### 12. Extra ordinary Accomplishment (student's guidance, professional rewards and recognition)

(i) **Student guidance**

**Ph.D.** guidance : **One**

**M. Sc.** guidance : **Five**

(ii) **Publications** (already published)

A) Total number during the total service period (list with reference enclosed) : Total Research Publication – **60 (Sixty)**

- In Research Journals: **33 (thirty three)**
  - ❖ National Journal: **24 (Twenty four)**
  - ❖ International journal: **9 (Nine)**
- In Seminar/symposium proceedings: **27 (Twenty seven) (Abstracts)**
- **Popular Articles: 4 +5 =9**
- Edited University **News Letter (3)**

iii) Chapter in Books	: Manure, Fertilizers in <b>Fundamentals of Vegetable Production</b> (Ed. S.K.Rana), NIPA publishers, New Delhi.2011 : Agri-nanotechniques for plant availability of Nutrients: P.K.Mani and S. Mondal . In: Kole C, Sakthi Kumar D, Khodakovskaya MV (Editors) <b>Plant Nanotechnology: Principles and Practices. Springer: ISBN 978-3-319-42154-4</b>
iv) Experience of working as academic expert	: Acted as an <b>expert of the Examiner of OUAT</b> (Bhubaneswar), <b>Kalyani University</b> (Nadia), <b>Visva-Bharati</b> (Bolpur), <b>UBKV</b> (Coochbehar), <b>Assam Agriculture University (AAU, Jorhat)</b> , <b>Bihar Agriculture University (Sabor)</b> , <b>CAU(Pasighat)</b> .
v) Reviewer of Journal	: Journal of Indian Society of Soil Science Journal of Potassium Research , Journal of Crop and Weed University of Mauritius Research Journal
vi) <b>Research projects handled</b>	<ul style="list-style-type: none"> <li>(i) Acted as <b>Co-PI</b> of <b>ICAR</b> Ad-hoc scheme on “Status, causes and impacts of <b>Arsenic</b> contamination in ground water in parts of West Bengal vis-à-vis management of Agricultural systems” during 01.01.1998-30.06.2001</li> <li>(ii) Acted as a <b>P.I.</b> of the ad-hoc project on “Response of Nutritional and therapeutic product on yield and quality of Potato tubers in West Bengal, India” sponsored by <b>Stoller Enterprise, Inc, USA. (2007-08)</b></li> <li>(iii) Acting as a Co-CCPI of NAIP project, Component–III (GEF Funded),”<b>Strategies for Sustainable Management of Degraded Coastal Land and Water for Enhancing Livelihood Security of the Farming Communities</b>”. (2009-2014)</li> <li>(iv) “Increasing use efficiency of nitrogen fertilizers under different ecologies with varied cropping systems and management practices” funded by <b>BRNS, DAE</b>, as PI of the Pilot Project as Component 4.(2014 on going)</li> </ul>
vii) <b>Professional rewards and recognition</b>	<ul style="list-style-type: none"> <li>• Recipient of <b>ISCA Young Scientist</b> in Agricultural Sciences Section conferred by Indian Science Congress Association, during 82<sup>nd</sup> Session at Goa in <b>1993</b>.</li> <li>• Recipient of <b>Zonal Award (East Zone)</b> for best Ph. D thesis conferred by Indian Society of Soil Science, New Delhi, in <b>1994</b>.</li> <li>• Recipient of <b>Best paper presentation in 17<sup>th</sup> State Science and Technology Congress</b>, held at WBUAFS, Belgachia, 4-5<sup>th</sup> March, <b>2010</b>.</li> <li>• Recipient of <b>Best poster presentation on the paper</b> “Effect of organics application on soil biological indices and rice yield under different rice-based cropping system in coastal Sundarbans” by Tarik Mitran, <b>P. K. Mani</b>, B. Mandal and D. Mazumdar, during 77<sup>th</sup> Annual Convention of ISSS held at PAU, Ludhiana, on 3<sup>rd</sup> December, <b>2012</b>.</li> <li>• Global Environmental Facilitator (World Bank) appreciated 3 best Success stories from BCKV Centre (selected for publication in Annual report).</li> </ul>
viii)	<b>Member of the Professional Society</b> <ul style="list-style-type: none"> <li>• Indian Society of Soil Science</li> <li>• Crop and Weed Science Society</li> </ul>

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- ix) **Organization of summer / winter school and farmers' meeting** Organized **14 farmer's Training** at Sandeshkhali, 24 Pgs(N) under the NAIP, Comp (III) (GEF ) mandate of the Project.
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x) **University Administration job:**

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Member; BCKV Council (2012-13, 2013-14)  
 Secretary; UG- PG Council, Faculty of Agriculture (2013-14, 2014-15)  
 Convener: Press and Publicity Committee (Press release for Convocation held at 25<sup>th</sup> July, 2013)  
 Convener: Website Committee (2014-15)  
 Act as a **Centre -In-Charge** for conducting AIEE for Agriculture (ICAR), 2014, 2015  
 Act as a Convener of Faculty lecture Series, 2013 - 2015 (Dr. D. Dutta, Dr. S. Bardhan. Dr. Ashim K Dutta Roy etc.)  
 Act as an **Organizer for Conducting Seminar** on behalf of Alumni Association, BCKV on "Leading Bengal in Agriculture-Green to Evergreen Revolution" **28th September, 2013**, held at the FACC (former Lake Hall), Kalyani, West Bengal.

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**Publications (10 best):**

- i) Studies on Quantity/Intensity relations of potassium availability in some soils of West Bengal, by P. K. Mani; S. De and S. K. Sanyal; *J. Indian Chem. Soc.* **70**: pp.219-222 (1993). (NAAS rating: 6.0)
- ii) Kinetics of potassium adsorption and desorption in some soils of West Bengal, by P. K. Mani and S. K. Sanyal; *J. Indian Chem. Soc.* **73**:pp. 533-535 (1996). (NAAS rating: 6.0)
- iii) Effect of phosphorus, arsenic and farmyard manure on arsenic availability in some soils of West Bengal, by D. Mukhopadhyay, **P.K. Mani** and S.K. Sanyal, *J. Indian Soc. Soil Sci.* **50**: pp. 56-61 (2002). (NAAS rating: **4.95**)
- (iv) Organic Amendments Influence Soil Organic Carbon Pools and Rice–Wheat productivity, by Majumdar, B., Mandal, B., Bandyopadhyay, P.K., Gangopadhyay, A., **Mani, P. K.**, Kundu, A.L., Mazumdar, D., *Soil Sci. Soc. Am. J.* **72(3)**: 775-785, (2008). (NAAS rating: 7.72)
- (v) Effect of organic inputs on aggregate associated organic carbon concentration under long-term rice–wheat cropping system, by P.K. Bandyopadhyay, Subita Saha, **P.K. Mani**, B. Mandal, *Geoderma* **154**:379–386 (2010). (NAAS rating: 8.77)
- (vi) Long–term manuring and fertilization influences soil inorganic phosphorus transformation vis-a-vis Rice yield under Rice-Wheat cropping system, by Tarik Mitran, **P.K.Mani**, M. Ray, D. Mazumdar, *Archives of Agronomy and Soil Science*. DOI: [10.1080/03650340.2015.1036747](https://doi.org/10.1080/03650340.2015.1036747) (2015) (ISSN 0365-0340 (Print), 1476-3567 (Online) (**Impact factor: 1.118**) (NAAS: 6.55)
- (vii) Impact of Organic and Mineral Inputs onto Soil Biological and Metabolic activities under a Long-Term Rice-wheat Cropping System in Subtropical Indian Inceptisols Nirmalendu Basak, Ashim Datta, Tarik Mitrana, Biswapati Mandal, **P.K. Mani**, *J. Environ. Biol.* Vol. **37**, 83-89, (2016) (NAAS: 6.56) (I Factor: 0.56).
- (viii) Organic inputs influences soil physical indices and aggregate associated phosphorus concentration under long-term rice-wheat cropping system in a Inceptisol under hot humid

subtropics of eastern India, by Tarik Mitran and **P. K. Mani**, N. Basak, and P.K. Bandyopadhyay, *Pedosphere*, (2015). ISSN: 1002-0160 (I Factor: **1.5**) (NAAS : 7.50)

- (ix) 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 by Tarik Mitran, **P.K.Mani**, N.Basak and B.Mandal (2015). *Comm. Soil Sci. Plant Anal.* (Accepted) ISSN 0010-3624 (Print), 1532-2416 (Online) I Factor: **0.529** (NAAS: 6.39)
- (x) Effect of organic amendments on rice yield trend, P use efficiency, Uptake and Apparent P balance in soil under long-term rice-wheat rotation by Mitran Tarik and Mani Pabitra; (2016). **J Plant Nutrition**. (NAAS: 6.49) (Impact Factor: **0.51**)

### **Popular Articles:**

- (i) Peaceful application of isotope studies in agriculture, **P. K. Mani**, *Green Tech.* **1(2)**: (1999).
- (ii) Fly-ash: A menace to environment, by **P. K. Mani**, *Green Tech.* **2 (7 & 8)**: pp. 14-16 (1999).
- (iii) Remote sensing- A modern tool for agricultural resource management, by **P.K.Mani**, *Everyman's Sci.* **XXXV (2)**: pp.57-62 (2000).
- (iv) Vegetable production in Coastal areas by Tarik Mitran, A. Tamang, A. Chattopadhyay, **P. K. Mani** and B. Mandal, published by NAIP Comp-III(GEF ), BCKV (**2012**).

### **M.Sc. Thesis under Supervision of Dr. P. K. Mani:**

- (i) To study the long-term effects of manuring and fertilization on soil phosphorus transformation in rice-wheat cropping system. (**Tarik Mitran, 2009**).
- (ii) Effect of tillage and mulching on nutrient transformation in rice based cropping system, (**Hriday Kamal Tarafder, 2012**).
- (iii) Impact of integrated nutrient management on some important physical and chemical attributes of soil vis-à-vis performance of Bitter gourd, (**Dina Khadija, 2014**).
- (iv) Determination of critical limit of boron of wheat (*Triticum aestivum* L.) in soils of West Bengal, **Aritra Saha, 2015**.
- (v) Appraisal of heavy metal loadings owing to city waste dumping at Dhapa area of Kolkata, West Bengal, **Sourav Bhattacharyya**

### **Ph D. Thesis under Supervision of Dr. P. K. Mani:**

- (i) Improving productivity of rice-based cropping system in the coastal areas of Sundarbans through soil management, **Tarik Mitran, 2012**
- (ii) system, **Sudeshna Mondal, 2018**