

College of Post Graduate Studies in Agricultural Sciences

(Central Agricultural University-Imphal)

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FACULTY PROFILE

Dr. Pradip Kumar Bora,

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Professor & Chairman (i/c)

School of Natural Resource Management

Ph. D. (Soil and Water Conservation.), IARI, New Delhi

M. Tech. (Soil and Water Conservation Engg), IIT, Kharagpur



I. Academic qualification (Post-Graduation onwards & Professional Career)

S.N.	Institution & Place	Degree Awarded	Year	Field of Study
1	Indian Agricultural Research Institute, New Delhi	Ph.D	2000	Soil and Water Conservation Engg. (Specialized in Surface Irrigation Design)
2	Indian Institute of Technology	M.Sc.	1991	Soil and Water Conservation Engg. (Specialized in Well Hydraulics)

II. Areas of research Interest

- Irrigation System Design
- Hydrology and Watershed Management
- Drainage System Design and Hydraulics
- GIS and Remote Sensing Application

III. Research

A. Students Guided:

- a. Twelve M. Sc in NRM
- b. One M. Tech in Soil and Water Conservation Engineering

B. Project research: (as Principal Investigator)

- a. Development of Watershed at RARS, Shillongani. World Bank Funded Project. Fund attracted: Rs.16.00 Lakhs
- b. Derived Crop Coefficient for Enhancing Water Productivity of Few Important Crops of Meghalaya. DST-Atmospheric Science Project. Fund attracted Rs.58.04 lakhs
- c. Techno-economic feasibility of gravity fed drip irrigation system in hilly regions of Meghalaya. Engaged as Co-PI. A DST-Water Technology Initiative project. Fund attracted Rs.28.6 lakhs.
- d. Soil moisture characterization and its impact on productivity of Large Cardamom in Sikkim. Engaged as Co-PI. A DST-Atmospheric Science Project. Fund attracted Rs. 54.8 lakhs

IV. Honors/Awards

1. National Fellowship for 10+2
2. University Gold Medal and Hons. in B. Tech
3. GATE, 1989
4. ICAR SRF, 1995
5. UGC JRF & SRF, 1998.
6. Wageningen University, The Netherlands fellowship for International Training on Land Drainage, 2009

V. Professional Experience : 28 Years

VI. Publications in the last four years

1.	Adelbert Kharlyngdoh ¹ , Carolyn Zothansiami ¹ , Pradip K. Bora ¹ , Pratibha T. Das ² , B.U. Choudhury ³ , A. K. Singh ¹	Characterization and Classification of Soils in Eastern Himalayan Agro-climatic region: A case study in Nongpoh Micro- watershed of Ri-Bhoi District, Meghalaya	Indian J. Soil Science Society, 63:24-29	2015
2.	Bora, P.K. and Ray, Lala, I.P.	Soil Acidification due to point Application of Fertilizers through Drip Irrigation	J. Agrisearch 2(2):100- 104	2015
3.	Ray, Lala I.P., Bora, P.K., Ram, V., Singh, A.K., Singh, R. and Feroze, S.M.	Characteristics, pattern and distribution of rainfall at East Garo hills, Meghalaya, India	Indian J. Hill Farming, 28(1):23-26, 2015	2015

4.	Kar Ipsita, Vishram Ram, Thakuria Dwipendra, Bora Pradip K and Behera B	Assessment of soil Physico-chemical Properties and baby cob yield as influenced by green manure and phosphorus in acid soil	Journal of Soil and Water Conservation 14 (3), 288-293.	2015
5.	Kar Ipsita, Vishram Ram, Thakuria Dwipendra, Bora Pradip K and Behera B.	Seasonal effect of green manure and phosphorus on correlation between soil properties in acid soils of Meghalaya.	Indian Journal of Soil Conservation 43(3), 224-229	2015
6.	Moutusi Tahashildar, Pradip K. Bora , Lala I. P. Ray, D. Thakuria	Determination of Crop Coefficient for Capsicum (<i>Capsicum annumm</i> L.) in Eastern Himalayan Region through Field Lysimeter	Indian J. Dryland Agril. Res. and Development , 30(1):15-23	2015
7.	Mautusi Tahashildar, Pradip K. Bora , Lala I. P. Ray And Vishram Ram	Crop-coefficient of Tomato as derived with Monolithic Weighing Type Lysimeter in Mid Hill Region of Meghalaya	Mausam 68(3):723-732	2017
8.	Moutusi Tahashildar, Pradip K. Bora , Lala I. P. Ray, D. Thakuria	Comparison of different reference evapotranspiration (ET ₀) models and determination of crop-coefficients of french bean (<i>Phesiolus vulgaris.</i>) in mid hill region of Meghalaya	J. Agrometeorology , 19(3):233-237	2017
9.	Bharat Chandra Kusre, P. K. Bora , Deependra Rai, Singam Suranjoy Singh, Aphiya Tana and Soshna Subba	Combating water scarcity through roof water harvesting: planning and design with stakeholders' perception in Sikkim (India)	Water Sci. Tech. Water Supply , 17(3):799-810, May, 2017: DOI: 10.2166/ws.2016.180	2017
10.	Bharat Chandra Kusre, P. K. Bora , Deependra Rai, K. Adhikari, C. Niranjit Khuman and J. Tabing	Developing water resources management strategies for south sikkim district, india	Water Science and Technology: Water Supply Jul 2017, ws2017135; DOI: 10.2166/ws.2017.135	2017
11	Zothansiami, C., Kharlyngdoh, A., Bora, P.K. , Das, P.T., Choudhury, B.U., Thakuria, D., Ram, V.	Alternate Land Use Plan for a Peri-Urban Watershed in Sub-humid Region of Meghalaya, India	Indian J. Soil Science Society 65(4):369-378	2017

12	Das, Susanta, Sarkar, R., and Bora, P. K.	Comparative study of estimation of soil erodibility factor for the lower tract of Ranikhola Watershed of East Sikkim.	<i>J. Plant Dev. Sci.</i> 10(6): 317-322.	2018
13	Kant, K., Bora, P.K. , Telkar, S. G. And Gogoi, M.	Performance of various rice cultivars under variable nitrogen levels.	<i>J. Pharmaco. Phytchem.</i> 7(5):1378-1382.	2018
14	Kant, K, Bora, P.K. and Saikia, Uday.	Calibration of DSSAT-CERES-Rice model for rice cultivars under different N-levels in Meghalaya, India.	<i>J. Agromet</i> 20(4): 322-324.	2018
15	Rai, D., Kusre, B. C., Bora, P. K. and Gajmer, L.	A study on soil moisture model for agricultural water management under soil moisture stress conditions in Sikkim (India).	<i>Sustain. Water Resour. Manag.</i> DOI 10.1007/s40899-018-0298-5.	2018
16	Chanu, P.H., Bora, P.K. , Thakuria, D. And Ram, V.	Influence of land use type on different aggregating elements of acidic soil of Meghalaya, India.	<i>Int. J. Chem. Studies,</i> 7(1):1819-1823.	2019
17	Ray, L.I.P., Bora, P.K. , Singh, A.K., Ram, V., Singh, R. and Feroze, S.M.	Dry and Wet spell Rainfall probabilities in planning rice based cropping system of Meghalaya	<i>Journal of Agrometeorology,</i> 21 (Special issue -"NASA 2014" part-III): 8-17. (ISSN:0972-1665)	2019

Other Publications:

- a. Full Length Papers in Conference Proceedings: 8 (Eight)
- b. Book Chapters: 10 (ten)
- c. Book Chapter (Vernacular): 5 (five)
- d. Seminar/Symposium/Conference : 33