

Priya Lal Chandra Paul

B. Sc. Agricultural Engineer, M.S. (Irrigation and Water Management)

CURRICULUM VITAE

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Citizenship: Bangladeshi

Date of Birth: 1st January, 1980

Sex: Male

Field of Specialization: Irrigation and Water Management



Academic Qualifications

Degree	Institution	Year	Subject/Paper Studied
M.S. in Irrigation and Water Management	Bangladesh Agricultural University	2006	Drainage Engineering, Ground Water Engineering, Open Channel Flow, Water Resources Planning, Irrigation System planning and Design, Agril. Meteorology, Irrigation Engineering, Surface water Hydrology, Soil-Water-Plant Relationship, Flood Control, Irrigation system evaluation, Engineering Math
B. Sc. Agricultural Engineering	Bangladesh Agricultural University	2002 (held on 2004)	Mathematics, Agronomy, Soil Science, Computer Science Engineering, Electrical Engineering and Electronics, Fluid Mechanics and Hydraulics, Fundamental of Food Engineering, Food plant Engineering, Food Process Engineering and Quality Control, Agril. Statistics, Crop Protection, Elementary Economics, Rural Sociology, Agril. Machineries and Power Source, Irrigation and Drainage Engineering, Soil Mechanics and Foundation Engineering, Soil and Water Conservation Engineering, Agril. Meteorology and Hydrology, Mechanization and Engineering Management, Aquaculture Engineering, On Farm Water Management, Hydraulic Machinery and Irrigation Structures, Design of Concrete Structures, , Ground Water and Wells,

Training Courses Attended

Name of the Course	Institution	Year
International Training Course on "Technology for Integrated Water Management"	University of Antwerp and Ghent, Belgium	2014
Training of Trainers (ToT) on Integrated Water Resource Management Concept and Its Practices in Real World Situation	Centre for Environmental and Geographic Information Services (CEGIS), Bangladesh	2013
Training course on Decision support System for Agrotechnology Transfer (DSSAT) Modeling	Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh	2013
Crop Production Technologies under Environmental Stress Condition for NARS Scientist	Bangladesh Agricultural Research Institute (BARI), Gazipur, Bangladesh	2012
Utilization of Bangladesh Rice Knowledge Bank Training Course	Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh	2011
International Training Course on Technology of Hybrid Rice Cultivation	Bangladesh Rice Research Institute (BRRI), Gazipur, Bangladesh	2011
International Training Course on Community Water Management for Agriculture	Ministry of Agriculture, Republic of Indonesia (Jakarta, West Java and Bali)	2011
Training course on Agricultural Engineering Technology	Bangladesh Agricultural Research Institute (BARI), Bangladesh	2011
Research Methodology	Graduate Training Institute, Bangladesh Agricultural University, Mymensingh	2010
1-Month Rice Production Training Course	Bangladesh Rice Research Institute (BRRI), Gazipur	2010
Technical Report Writing and Editing	Agricultural Information Centre, Bangladesh Agriculture Research Council (BARC), Farmgate, Dhaka.	2010
Hybrid rice Development and Seed production training course	Bangladesh Rice Research Institute (BRRI), Gazipur	2009
Administration, Office Management and Communication Course	Graduate Training Institute (GTI), Bangladesh Agricultural University, Mymensingh	2006

Employment History

Post held	Organization	Duration
Scientific Officer	Bangladesh Rice Research Institute(BRRI)	August 2009 to till date
Assistant General Manager (AGM)	Bangladesh Rural Electrification Board (REB)	November 2008 to August 2009
Assistant Manager	Bangladesh Sugar and Food Industries Corporation) (BSFIC)	July 2008 to November 2008
Agricultural Engineer	Department of Agriculture Extension(DAE) Ministry of Agriculture	July 2006 to July 2008

Current Research

Low cost solar pump for rice based cropping system

Research Experience

- Worked as a Co-Principal Investigator of the project entitle: “Water management for enhancing crop production under changing climate” where the long term climatic parameter (Evaporation, rainfall, temperature, wind speed, sunshine hour, and relative humidity) collected to observe the trend of climate change using MAKESENS model, to fit a suitable cropping system, groundwater table monitoring, conjunctive use of surface and groundwater and minimized irrigation water loss.
- Worked as a Co-Principal Investigator on the CGIAR Challenge Program on Water and Food (CPWF) second phase GBDC which is about research for development under the project named “Productive, profitable, and resilient agriculture and aquaculture systems” where the cropping system component is about rice variety evaluation for the different stress conditions (e.g. medium deep water for 1-2 months, salinity etc), cropping system intensification (e.g. fitting together crops and varieties to achieve 3 crops per year in coastal areas), and maximizing productivity of these cropping systems through improved varieties and agronomic management, and improved water management (better drainage, better use of the available water during the dry season).

Thesis research

Under graduate thesis: ‘Performance Evaluation of Foot operated Diaphragm Pump for Low Lift Irrigation’

MS thesis: “Design and Development of Hand Cum Foot operated Low Lift Pump for Irrigation”

List of full length Publications

1. **Paul, P.L.C.**, Rashid, M.A. 2014. Refinement of Alternate Wetting and Drying (AWD) Irrigation for Rice Cultivation. Bangladesh Rice J.17(1&2):37-41,2013.
2. Paul, Subrata., Hossain, Delwar., Mahmud, MNH., **Paul, P.L.C.**, Rahman, AKML. and Saha, MK. 2014. Quality Degradation Trend of Water in the Buriganga River. Bangladesh Journal of Progressive Science and Technology, 12(1):011-016.
3. **Paul, P.L.C.**, Hasan, N., Rashid, M.A., Paul, M., and Paul, S. 2013. Water productivity evaluation for rice based cropping system in Gazipur District of Bangladesh. Eco - friendly Agril. J. 6(12):279-284.
4. Banik, S., **Paul, P.L.C.**, Siddiquee, M.A., Dutta, A.K. and Hosen, S. 2012. Effect of Alternate Wetting and Drying irrigation methods on physicochemical and cooking properties of BRRI dhan28. International Journal of Sustainable Agricultural Technology, 8(7): 12-16.
5. Hossain, M., Mojid, M.A., **Paul, P.L.C.** and Paul, S. 2012. Measurement of conveyance loss of water in irrigation canals in Sadar Upazilla, Mymensingh. Eco - friendly Agril. J. 5(07):79-85.
6. Morshed, M., Hassanuzzaman, M., **Paul, P.L.C.** and Banik, S. 2012. Performance evaluation on Alternate Wetting and Drying Irrigation for Rice Cultivation. Eco -friendly Agril. J. 5(05):36-40.
7. **Paul, P.L.C.**, Khair, M.A. and Nath, B.C. 2011. Design and development of hand cum foot operated reciprocating pump for irrigation. Bangladesh Journal of Training and Development, Graduate Training Institute, Bangladesh Agricultural University, Mymensingh, Vol. 21-23(1&2):183-192.
8. Debnath, L.C., Ahmed, M. and **Paul, P.L.C.** 2011. Analysis of climatic parameters related to crop production at Bangladesh Agricultural University, Mymensingh. Bangladesh Journal of Progressive Science and Technology, 9(1):129-132.
9. **Paul, P.L.C.**, Khair, M.A. and Nath, B.C. 2010. Construction and performance evaluation of foot operated diaphragm pump for low lift irrigation. Bangladesh Journal of Progressive Science and Technology, 8(1):75-78.

Brochure and working paper

1. **Paul, P.L.C.**, Alam, M.M., Rashid, M.A. 2014. Water management for enhancing crop production under changing climate at Satkhira District (Bangla), Brochure.
2. Rashid, M.A., Alam, M.M., **Paul, P.L.C.** 2014. Rainwater harvesting for increasing rice production (Bangla), Brochure.
3. **Paul, P.L.C.**, Mondal, M.K., Rashid, M.A., E, Humphreys 2014. Crop and water management for cropping system intensification in the coastal region of Bangladesh (Bangla).
4. **Paul, P.L.C.**, Mondal, M.K., Rashid, M.A., E, Humphreys 2014. Extensive scope of rabi crops cultivation in tidal Barisal region of Bangladesh (Bangla).
5. **Paul, P.L.C.**, Mondal, M.K., Rashid, M.A., E, Humphreys 2014. Techniques of rabi crops cultivation in saline affected Khulna district of Bangladesh (Bangla).
6. Alam, M., **Paul, P.L.C.**, Rashid, M.A. 2014. Enhancing crop production in Tidal Barisal region under changing climate (Bangla).
7. Islam, T., Sarkar, F.I.M.G.W., Zaman, M., **Paul, P.L.C.** 2013. Water saving and Irrigation Technology for Rice cultivation (Bangla).

Papers presented at national conferences

Paul, P.L.C., Hasan, N. and Rashid, M.A. 2011. Study on Water Productivity for Rice Based Cropping System in selected location of Bangladesh. Paper presented in The Institution of Engineers, Bangladesh, Paper Meet, November 2011.

MEMBERSHIP

1. Bangladesh Society of Agriculture Engineering
2. Institution of Engineers Bangladesh
3. Krisibid Institution of Bangladesh
4. Bangladesh Rice Research Institute Scientist's Association