

BRIEF BIO-DATA
DR. BHOLANATH MONDAL
ASSISTANT PROFESSOR OF PLANT PROTECTION
PALLI-SIKSHA BHAVANA (INSTITUTE OF AGRICULTURE)
VISVA-BHARATI



1.	Name	:	DR. BHOLANATH MONDAL
2	Name of Father	:	SRI KANAI LAL MONDAL
3.	Date of Birth	:	11.09.1979 (11 th September, 1979)
4.	Official and Corresponding address	:	Assistant Professor of Plant Protection (Plant Pathology), Department of Plant Protection, Palli-Siksha Bhavana (Institute of Agriculture), P.O. Sriniketan, Visva-Bharati, Dist. Birbhum, West Bengal 731 236, India.
	Residence including E-mail ID	:	Present: Visva-Bharati Quarter No. 26, PSB area, Sriniketan 731 236, Bolpur, Birbhum, West Bengal, Mobile No.: +91 9475847310, Email ID: bholanath.ppvb@gmail.com , bholanath.mondal@visva-bharati.ac.in Permanent: Vill.+P.O. Hiranmaypur, Basanti, Dist. South 24 Parganas, West Bengal 743 312.
5.	Field of specialization	:	Plant Bacteriology and Fungal Plant Pathology, Soil Borne Plant Pathogens
6.	Academic qualifications	:	H.S. - 1 st Division – 1997 (WBCHSE); B. Sc. (Ag.) Hons. – 1 st class – 2001 (BCKV), M. Sc. (Ag.) in Plant Pathology – 1 st class - 2003 (BCKV) and Ph.D. in Plant Pathology (Agriculture)- 2007 (BCKV) NET in Plant Pathology – 2005 (ASRB, New Delhi)
7.	Date of joining in Service	:	09.04.2007 (9 th April, 2007) as Assistant Director of Agriculture (Admin), Served more than two and half years. 16.07.2009 (16 th July, 2009) as Assistant Professor of Plant Protection, Serving more than five years.
8.	Award Received	:	i). Received ‘ <i>Young Scientist Award in Plant Pathology</i> ’ on the event of the First International Conference on Bio-Resource and Stress Management held on 6-9 Feb., 2013 at Kolkata, jointly organised by Ratikanta Maiti foundation, <i>IJBSM</i> and <i>CRIJAF</i> . ii). Received ‘Best Poster Paper Award’ entitled ‘Rethinking of Sundarbans Mangrove through Community Participation’ in the First international Conference on Bio-Resource and Stress Management held during 6-9 February, 2013 at Kolkata, jointly organized by Ratikanta Maiti Foundation, <i>IJBSM</i> and <i>CRIJAF</i> . iii). Received Best Prize for Agricultural exhibition in Jalpesh Mela, 2009 organized by Jalpaiguri Zila Parishad. iv). Received senior merit scholarship during the study of M. Sc. (Ag.).
9.	Publications	:	Book – 5, Book chapter -3; Booklet – 2; Popular article - 21; Scientific articles in Journals of National and International repute - 48.
10.	Student(s) guided	:	Ph.D. - 05 (Working); M.Sc (Ag.) - 02 (Awarded) + 02 (Working)
11.	Seminar /Symposium/	:	12 (National), 08 (International), 09 (Regional/state)

	Training attended		Training programme attended- 8 Orientation and Refresher course attended – 3
12.	Acted as an expert	:	i). Acted as External/internal Examiner and question paper setter in different universities. ii). Acted as Selection committee member of different govt. bodies and NGOs.
13.	Ad-hoc project handled/handling – 20 Nos. as PI & Co-PI	:	01- (Funded by Directorate of PPQ & S, Ministry of Agriculture, GOI), 01-(Funded by Devi Cropscience Pvt. Ltd.), 03-(Funded by Grace Bio-Care Pvt. Ltd.), 04-(PI Industries), 01-(Inhana Bio-Sciences), 08-(Crystal Crop Science) 01-(Sulphur Mills Ltd.) 01-(SDS Ramcides)
14.	Programme organized	:	i). International Conference: Treasurer – 01 (2013) ii). National conference: Convener/Organizing secretary – 01 (2010), Programme Coordinator – 01 (2008), Rapporteur – 03. iii). State level conference – (Organizing secretary) - 01 (Medicinal & Aromatic plants and their use in Sundarbans region) iv). Krishi Mela: Organizing Secretary-02 (2005 & 2006 at Basanti, South 24 Parganas) vii). Blood Donation Camp: 02 (2006 & 2013) viii). Training : > 60
15.	Important activities and Significant Achievements		A. i). Develop new medium for isolation of <i>Xanthomonas axonopodis</i> pv. <i>betlicola</i> , <i>Phytophthora melonis</i> and <i>Phytophthora nicotianae</i> . ii). Develop new technology for managing <i>Sclerotium rolfsii</i> using Plaster of Paris. iii). Reported some important hosts of <i>Ralstonia solanacearum</i> and <i>Sclerotinia sclerotiorum</i> first time from West Bengal as well as India. iv). Now working on indigenous knowledge for plant protection and human welfare, chilli leaf curl complex, bacterial wilt, potato late blight, Sclerotinia rot, citrus canker, detection of diseases of mangroves and use of mangroves for controlling common ailments of human and animals in association with local healers (<i>Baidyas, Gunins and Ojhas</i>), Seed priming (bio-antagonists) and club root disease of crucifers. B. i). First Krishi Library for farmers in India was established under my leadership and guidance at Kajaldighi watershed, Ramsai, Maynaguri during 2007. ii). Acted as Team Leader of PIA, NWDPR (3 Nos.); Convenor, FIAC, Maynaguri block under ATMA; Fertilizer and Pesticide Inspector; and performed different other programmes like Biovillage (2 nos.), Seed village (1 no. under Padamati –II Watershed), IPM, NFSM, Mini Mission – II, Tobacco and Sugarcane scheme etc. iii). Voluntary service and help rendered during the Cyclonic storm <i>AILA</i> in different islands of Sundarbans. C. i). Formation of ‘Association for the Cultivation of Agricultural Sciences’, Coochbehar, UBKV. ii). Formation of ‘Agro-Horticultural Society for Technology and

			<p>Rural Development’, Basanti, South 24 Parganas.</p> <p>iii). Formation of ‘Organization for Assisting of the Throttling World’, Rajbaripara, Jalpaigur.</p> <p>iv). Formation of Society of Bio-resource, Environment and Agricultural Research, Santiniketan, Birbhum.</p> <p>D. i). Editor-in Chief of the Journal <i>Green Technology</i> (ISSN 0973-2624) for the year 2010-11.</p> <p>ii). Editorial Board Member and Reviewer of different Journals.</p> <p>iv). Acted as Guest Speaker and delivered key lecture in different seminars organized by several govt. and Non-govt. bodies.</p> <p>More than 85 lectures delivered as a resource person in various International and National Agricultural Seminar / Symposia / Conferences / Training / Awareness Programme / Group Meeting / Programme conducted by Schools, Banks & NGOs / All India Radio / Doorodarshan etc.</p>
16.	Life Member, academic Societies	:	<p>Crop and Weed Science Society (CWSS), BCKV, Nadia; Eastern India Horticulture and Biotechnology Centre (EIHBC), Baharu, South 24 Parganas; The Society for Plant Protection and Environment, OUAT, Bhubaneswar, Orissa; Association of Agrometeorologists, AAU, Anand, Gujarat; Agro-Horticultural Society for Technology and Rural Development (AHSTRD), Basanti, South 24 Parganas; Indian Society of Soil Biology and Ecology (ISSBE), UAS, GKVK Campus, Bangalore; Organization for Assisting of the Throttling World (OATW), Rajbaripara, Jalpaigur; Indian Mycological Society (IMS), University of Calcutta, Kolkata; Indian Society of Mycology and Plant Pathology (ISMPP), MPUAT, Udaipur, Rajasthan; Association for Advancement in Plant Protection (AAPP), Plant Health Clinic, Directorate of Research, BCKV, Nadia; Coochbehar Association for the Cultivation of Agricultural Sciences (COBACAS), UBKV, Coochbehar, India; Society of Bio-resource, Environment and Agricultural Research, Santiniketan, Birbhum.</p>
17.	Additional Job	:	<p>i). Vice-President of Coochbehar Association for the Cultivation of Agricultural Sciences, UBKV, Pundibari, Coochbehar, India (From 2013-Cont.).</p> <p>ii). Assistant Secretary of Society of Bio-resource, Environment and Agricultural Research, Santiniketan, Birbhum (2015).</p> <p>ii). Member of Bhavana Admission Committee, PSB, Visva-Vharati (2012-2014).</p> <p>iii). Member of Anti-Ragging Committee and Anti-Ragging Squads, PSB, Visva-Bharati (2011-2014).</p> <p>iv). Warden, PSB Boys’ Hostel (Eastern, Middle & Rathindra Hall), Visva-Bharati (2012-cont.).</p>

List of research paper published in National and International Journals:

1. Azharuddin, M., Mazumder, A., Basu, M. K., Bhattacharya, S. P. and **Mondal, B.** (2010). Effect of chemical fertilizer on soil physiological and microbiological parameters in the agricultural field. *Green Technology*, 9 (December): 95-97.
2. Barik, A. K., Chatterjee, A. K., **Mondal, B.**, Datta, A., Saha, S., Nath, R. and Bera, R. and Seal, A. (2014). Adoption of rational farming technology for development of a model for exploring sustainable farming practice in farmer's field. *The International Journal of Science & Technoledge*, 2 (4), 147-155.

3. Bhattacharya, I., Dutta, S., Mondal, S. and **Mondal, B.** (2014). Clubroot disease on Brassica crops in India. *Canadian Journal of Plant Pathology*, 36 (sup1): 154-160.
4. Bhattacharya, R., **Mondal, B.** and Khatua, D. C. (2012). Survival of *Xanthomonas axonopodis* pv. *betlicola*, the causal pathogen of bacterial leaf spot of betelvine. *Journal of Soil Biology and Ecology*, 32 (1&2): 8-14.
5. Bhattacharya, R., **Mondal, B.**, Ray, S. K. and Khatua, D. C. (2012). A study on bacterial disease of betelvine in West Bengal, India. *International Journal of Bio-resource and Stress Management*, 3 (2): 211-216.
6. Bhattacharya, R., Saha, G., Jana, M., **Mondal, B.** and Khatua, D. C. (2005). Technique for Bioassay of Chemotoxicants against *Phytophthora cinnamomi* and its Laboratory Evaluation. *Environment and Ecology*, 23S (Spl. 3): 532-537.
7. Das, R., **Mondal, B.**, Mondal, P., Khatua, D. C. and Mukherjee, N. (2014). Biological management of citrus canker on acid lime through *Bacillus subtilis* (S-12) in West Bengal, India. *Journal of Biopesticides* 7 (Supp.): 38 – 41.
8. Das, R., **Mondal, B.**, Mondal, P., Khatua, D. C. and Mukherjee, N. (2012). Disease intensity of citrus canker on acid lime in relation to abiotic and biotic factors. *Journal of Agrometeorology*, 14 (Spl.): 107-112.
9. Hembram, K. C., Ray, S. K., **Mondal, B.** and Khatua, D. C. (2011). Bacterial wilt of gladiolus and sensitivity of the pathogen towards chemicals. *Journal of Plant Protection and Environment*, 8 (2): 79-84.
10. Hembrom, K. C., Ray, S. K., **Mondal, B.** and Khatua, D. C. (2012). Varietal screening and management against bacterial wilt of Gladiolus (co-*Pseudomonas gladioli* pv. *gladioli*). *Annals of Plant Protection Sciences*, 20 (1): 169-171.
11. Jana, M., **Mondal, B.** and Khatua, D. C. (2012). Host range, medium for isolation and technique for bioassay of fungicides against *Phytophthora nicotianae* – the causal pathogen of leaf rot of betelvine. *Journal of Mycology and Plant Pathology*, 42 (1): 94.
12. Jana, M., Ray, S. K., Dutta, S., Khatua, D. C. and **Mondal, B.** (2011). Two fungal diseases of chilli and bell pepper in West Bengal. *Journal of Mycopathological Research*, 49 (1): 107-110.
13. Khatua, D. C., **Mondal, B.** and Bhattacharya, R. (2013). Nature of tissue invasion by *Xanthomonas axonopodis* pv. *betlicola* in betelvine. *Wesleyan Journal of Research*, 6 (1): 36-39.
14. Khatua, D. C., **Mondal, B.** and Bhattachayya, R. (2013). A selective medium for *Xanthomonas axonopodis* pv. *betlicola*, bacterial pathogen of betelvine. *African Journal of Agricultural* 8 (49): 6388-6393.
15. Khatua, D. C., **Mondal, B.** and Hansda, S. (2014). White rot of *Coreopsis drummondii* - a new record from West Bengal. *India Journal of Mycopathological Research*, 52 (1): 157-158.
16. Khatua, D. C., **Mondal, B.** and Saha, G. (2013). Bioassay of some agricultural chemicals, human drugs and disinfectants on *Phytophthora melonis* Katsura causing foot and vine rot of pointed gourd. *The Journal of Plant Protection Sciences*, 5 (1): 31-35.
17. Khatua, D. C., **Mondal, B.**, Hansda, S. and Ray, S. K. (2014). Sclerotinia Rot of Ridge Gourd and Pointed Gourd in Lateritic Zone of West Bengal, India. *Scholars Academic Journal of Biosciences*, 2 (4): 251-254.

18. Khatua, D. C., Pauria, N. K. and **Mondal, B.** (2014). Sclerotinia Rot of *Ocimum sanctum* and the Host Range of its Pathogen. *International Journal of Agriculture, Environment & Biotechnology*, 7 (3): 651-656.
19. Mahato, A. and **Mondal, B.** (2014). Sclerotium rolfsii: its isolates variability, pathogenicity and an eco-friendly management option. *Journal of Chemical, Biological and Physical Sciences* (Section B: Biological Sciences), 4(4): 3334-3344.
20. Mahato, A., **Mondal, B.**, Dhakre, D. S. and Khatua, D. C. (2014). *In vitro* sensitivity of *Sclerotium rolfsii* towards some fungicides and botanicals. *Scholars Academic Journal of Biosciences*, 2 (7), 467-471.
21. Mandal, S., **Mondal, B.** and Mondal, C. K. (2015). Farmers' practices and their perception to manage bacterial wilt of solanaceous vegetables in Sundarban region of west Bengal, India. *International Journal of Advanced Biological Science and Engineering*, 2 (2): 49-56.
22. **Mondal, B.** and Khatua, D. C. (2013). Evaluation of Plaster of Paris and Some Fungicides for Management of Foot rot of *Amorphophallus campanulatus* Blume Caused by *Sclerotium rolfsii* Sacc. *International Journal of Agriculture, Environment and Biotechnology*, 6 (4): 585-590.
23. **Mondal, B.** and Mondal, P. (2011). Ecofriendly pest management practices for leaf curl complex of chilli (*Capsicum annum* L.). *Journal of Biopesticides*, 5 (Spl.): 115-118.
24. **Mondal, B.** and Mondal, P. (2014). Management of late blight, severe mosaic and PLRV of potato. *International Journal of Plant, Animal and Environmental Sciences*, 4 (4): 144-149.
25. **Mondal, B.**, Bhattacharya, I. and Khatua, D. C. (2011). Botanical characterization of some brinjal lines and their disease reaction against bacterial wilt. *Journal of Interacademia*, 15 (3): 371-375.
26. **Mondal, B.**, Bhattacharya, I. and Khatua, D. C. (2011). Crop and weed host of *Ralstonia solanacearum* in West Bengal. *Journal of Crop and Weed*, 7 (2): 195-199.
27. **Mondal, B.**, Bhattacharya, I. and Khatua, D. C. (2013). Field performance of some brinjal lines against bacterial wilt disease. *Journal of Soil Biology and Ecology*, 33 (1 & 2): 77-80.
28. **Mondal, B.**, Bhattacharya, I. and Khatua, D. C. (2014). Incidence of bacterial wilt disease in West Bengal, India. *Academia Journal of Agricultural Research*, 2 (6): 139-146.
29. **Mondal, B.**, Bhattacharya, I., Dutta, S. and Khatua, D. C. (2010). Field evaluation of Non-Chemical agents against bacterial wilt of brinjal. *Journal of Soil Biology and Ecology*, 30 (1 & 2): 26-30.
30. **Mondal, B.**, Bhattacharya, I., Sarkar, A. and Khatua, D. C. (2011). Variation in *Ralstonia solanacearum* isolated from brinjal plants in West Bengal. *International Journal of Bio-resource and Stress Management* 2 (3): 302-306.
31. **Mondal, B.**, Bhattacharya, I., Sarkar, A. and Khatua, D. C. (2013). Evaluation of local brinjal (*Solanum melongena* L.) germplasm for bacterial wilt resistant. *International Journal of Agricultural and Statistical Sciences*, 9 (2): 709-716.
32. **Mondal, B.**, Bhattacharya, I., Sarkar, N. C., Paul, A. and Khatua, D. C. (2012). Standardization of inoculation technique and screening of some brinjal and tomato lines against bacterial wilt. *Research on Crops*, 13 (2): 737-742.
33. **Mondal, B.**, Bhattacharya, R. and Khatua, D. C. (2004). Role of infected rhizome on incidence and severity of bacterial wilt of ginger. *Journal of Interacademia*, 8 (3): 480-482.

34. **Mondal, B.**, Bhattacharya, R. and Khatua, D. C. (2013). Effect of interaction of *Xanthomonas axonopodis* pv. *betlicola* and *Pseudomonas betle* on the extent of lesion development on betelvine leaf. *The Journal of Plant Protection Sciences* 5 (2): 45-47.
35. **Mondal, B.**, Cattopadhyay, S. B., Bhattacharya, I. and Khatua, D. C. (2005). Efficacy of different antibiotics and anti-bacterial compounds against bacterial wilt disease of tomato in West Bengal. *Environment and Ecology*, 23: 73-77.
36. **Mondal, B.**, Das, R. and Khatua, D. C. (2010). An approach for chemical control of bacterial wilt of brinjal (*Solanum melongena* L.) caused by *Ralstonia solanacearum* (Smith) Yabuuchi *et al.* *Green Technology* 9 (December): 102-103.
37. **Mondal, B.**, Das, R., Saha, G. and Khatua, D. C. (2014). Downy Mildew of Pointed Gourd and its Management. *Scholar Academic Journal of Biosciences*, 2 (6): 389-392.
38. **Mondal, B.**, Hansda, S. and Khatua, D. C. (2014). Sclerotinia rot of *Barleria cristata* in West Bengal, India. *European Journal of Biotechnology and Bioscience*, 2 (1): 54-56.
39. **Mondal, B.**, Mahapatra, S. and Khatua, D. C. (2012). Records of some new diseases of horticultural plants of West Bengal. *Journal of Interacademia*, 16 (1): 36-43.
40. **Mondal, B.**, Ranjan, R. K., Bhattacharya, R. and Bandyopadhyay, S. R. (2004). Bacterial wilt disease of tomato and brinjal in West Bengal and their chemical control. *Indian Phytopathology*, 57 (3): 355.
41. **Mondal, B.**, Ray, S. K., Misra, D. K. and Khatua, D. C. (2012). Bacterial wilt of banana in West Bengal, India. *International Journal of Plant Protection*, 5 (2): 227-231.
42. **Mondal, B.**, Saha, G. and Khatua, D. C. (2013). Fruit and vine rot of pointed gourd in West Bengal. *Research Journal of Agricultural Sciences*, 4 (1): 44-47.
43. **Mondal, B.**, Sarkar, N. C., Mondal, C. K., Maiti, R. K. and Rodriguez, H. G. (2012). Mangrove plants and traditional ayurvedic practitioners in Sundarbans region of West Bengal, India. *Research on Crops*, 13 (2): 669-674.
44. Mondal, C. K., **Mondal, B.** and Sarkar, D. (2014). Study on Utility and Revival through Community approach in Sundarbans Mangrove. *International Journal of Social Sciences*, 3 (2): 191-203.
45. Mondal, P., **Mondal, B.** and Pramanik, K. (2014). Efficacy of Grace Hume-L and Nitro Bloomer-NB on growth and yield parameters of potato. *Periodic Research*, 3(1): 35-38.
46. Pramanik, K., Mondal, P. and **Mondal, B.** (2014). Bio-Efficacy of Grace Hume-L and Nitro Bloomer-NB on Lady's Finger (*Abelmoschus esculentus* L.). *Scholar Journal of Agriculture and Veterinary Sciences* 4 (1): 159-163.
47. Rodriguez, H. G., **Mondal, B.**, Sarkar, N. C., Ramaswamy, D Rajkumar, RK Maiti (2012). Comparative morphology and anatomy of few mangrove species in Sundarbans, West Bengal, India and its adaptation to saline habitat. *International Journal of Bio-resource and Stress Management*, 2 (1): 1-17.
48. Sarkar, N. C., **Mondal, B.**, Rajkumar, D. and Maiti, R. K. (2012). Salt tolerance of thirteen rice (*Oryza sativa* L.) varieties at germination and seedling stages. *Research on Crops*, 13 (3): 795-803.

Full paper in seminar/conference proceedings

1. Mondal, C. K., **Mondal, B.** (2012). Ethno-traditional medicinal uses of mangrove plants of Sundarbans - a study. Proceedings of the International Symposium on Minor Fruits and Medicinal Plants for Health and Ecological Security (ISMF & MP), West Bengal, India (ed. Ghosh, S. N.), 19-22 December, 2011, pp. 91-93, Bidhan Chandra Krishi Viswandalaya.

Book Chapter

1. **Mondal, B.**, Mondal, P. and Dasgupta, M. K. (2013). Indigenous knowledge in eco-safe plant protection, as an aid to low external input sustainable agriculture (LEISA) and biodiversity in West Bengal, India; In: Food and Environmental Security - Imperatives of Indigenous Knowledge Systems (Ed. Dasgupta, D.). Agrobios (India), pp. 65-73.
2. Mondal, P., **Mondal, B.**, Chatterjee, H. and Baral, K. (2013). Jute pests and their management. In: Jute Development-Technological interface between tradition and modernity (ed. Dasgupta, D.), Agribios (India), pp. 127-140.
3. Mondal, P., Palit, S. and **Mondal, B.** (2012). Population dynamics and management of *Lipaphis erysimi* in mustard crop. In: Sustainable Agriculture and environment. New Delhi Publishers, pp. 291-298.

Book

1. **Mondal, B.** (2012). Pathogenic Menace for Brinjal Cultivation in West Bengal: Bacterial Wilt of Brinjal. LAP LAMBERT Academic Publishing GmbH & Co. KG, Ger, 144p.
2. Bhattacharya, S. P., Bardolui, S. K. and **Mondal, B.** (2006). Krishi Jantrapati-O-Tar Babohar (Agricultural Instruments and their use). Krishi Bidya, 2nd Paper, study materials for Class-XII. West Bengal State Council of Vocational Education and Training, Basumati Corporation Ltd., Kolkata 700 012, pp. 38.
3. Bhattacharya, S. P., **Mondal, B.** and Bardolui, S. K. (2006). Sasya Satru-O-Tar Pratikar (Crop Pests and their Management). Krishi Bidya, 2nd Paper, study materials for Class-XII. West Bengal State Council of Vocational Education and Training, Basumati Corporation Ltd., Kolkata 700 012, pp. 125.
4. Bhattacharya, S. P., **Mondal, B.**, Bardolui, S. K. and Chattopadhyay, P. (2006). Vesajo-abon-Sugandhi Udvider Chas (Cultivation of Medicinal and Aromatic Plants). Krishi Bidya, 2nd Paper, study materials for Class-XII. West Bengal State Council of Vocational Education and Training, Basumati Corporation Ltd., Kolkata 700 012, pp. pp. 37.
5. Sarkar, M. and **Mondal, B.** (2007). Adhunik Padhatite Alu Chas (Modern Approaches of Potato Cultivation). Kajaldighi, Panbari, Dhupjhora, Batabari and Daikhata Watershed Association, Surya Press, Jalpaiguri, pp. 16.