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LIST OF PUBLICATION :

**Journal Papers**

1. **P. M. Bhattacharya**, R. K. Saha, A. Sengupta, J. Saha, T. K. Ghosh, and S. Chaudhuri (2002). Use of fly ash in agriculture: The context of heavy metals accumulation in plant biomass. *Journal of Coal Ash Institute of India*, 5: 1-10.
2. P. K. Garain, S. Dutta, S. Roy, **P. M. Bhattacharya** and P. Gayen (2003). Response of mungbean germplasm against some important foliar diseases in pre and post kharif season under terai agroecological region of West Bengal. *J. Mycopathol. Res.* 41(2): 201-203.
3. S. Khalko, **P. M. Bhattacharya** and A. K. Choudhury (2004). Fungicidal management against leaf blotch incidence of turmeric (cv.Rh-5). *J. Mycopathol Res.*42 (2): 225-227.
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5. R. Nath, S. K. Laha, **P. M. Bhattacharya** and S. Dutta. (2005). Evaluation of new fungicidal formulation for controlling the rice sheath blight disease. *J. Mycopathol Res.*43 (1): 113-115.
6. A. K. Choudhury, P. K. Garain, S. Mukherjee, S. Dutta, **P. M. Bhattacharya**, D. P. Singh and G. Singh. (2005). Zonate eyespot of wheat-a new report. *J. Mycopathol Res.*43 (1): 139-140.

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8. **P. M. Bhattacharya**, J. Saha and S. Chaudhuri. (2007). Change of population dynamics of rhizobacteria in bamboo on mycorrhization. *Ecology and Environment*, **25** (1): 82-85.
9. S. Bandyopadhyay, **P. M. Bhattacharya**, A. K. Chowdhury and S. K. Dash. (2007). Management of leaf blotch and leaf spot of turmeric. *Curr. Agric. Res.*,**20** (1-2): 1-8.
10. S. K. Dash, **P. M. Bhattacharya** and J. C. Jana (2007). Variability for quantitative traits in turmeric (*Curcuma longa* L.) under micronutrient deficient soil environment in terai region of West Bengal. *Curr. Agric. Res.*,**20** (1-2): 15-19.
11. Chowdhury, A. K., Singh, G., Tyagi, B. S., **Bhattacharya, P. M.** and Singha Roy,A.K.(2008). Assessment of wheat (*Triticum aestivum*) cultivars to boron deficiency induced spike sterility and its impact on grain yield under terai region of West Bengal. *The Indian Journal of Agricultural Research* 78(10): 834-37.
12. Dutta, U. K. and **Bhattacharya, P. M.** (2008). Mycorrhizal association in mungbean and its impact on disease resistance. *J. Mycopathol. Res.* **46** (1): 65-68.
13. A.K. Chowdhury, P. Mukherjee, **P.M. Bhattacharya**, S. Kundu<sup>1</sup>, D. Mandal<sup>1</sup>, B. Rudra<sup>2</sup> and J.K. Ladha<sup>3</sup> (2009). Conservation agriculture in northern parts of West Bengal - Constraints and opportunities. Proc. 4<sup>th</sup> World Congress on Conservation Agriculture. 4<sup>th</sup>-7<sup>th</sup> Feb, 2009, New Delhi, INDIA: 116.
14. **P. M. Bhattacharya**, A.K.Chowdhury, P.Mukherjee, , S.Kundu<sup>1</sup>, D.Mandal<sup>1</sup> and B.Rudra<sup>2</sup>. (2009). Impact of bio-inoculation on microbial activity and disease incidence under conservation tillage in terai agro-ecological zone of West Bengal. Proc. 4<sup>th</sup> World Congress on Conservation Agriculture. 4<sup>th</sup>-7<sup>th</sup> Feb, 2009, New Delhi, INDIA: 467.
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16. Bandyopadhyay, S. and **Bhattacharya, P. M.** (2009). Effect of nutrients and bio control agents on rhizome rot of turmeric. *On: Proceedings of National Symposium on Spices and Aromatic Plants (SYMSAC-V) on "Harnessing potential of North Eastern State for Spices Production through technological interventions"*, 30-31<sup>st</sup> October, 2009 at Central Institute of Horticulture, Medziphema, Nagaland, pp. 132-139.
17. A. K. Chowdhury and **P. M. Bhattacharya** (2009). Development in Agricultural Technologies- Plant Pathology. *Proc. 96<sup>th</sup> Indian Science Congress Part II: Sympsiium/Invited Lectures*. P-6.
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21. Mukherjee, Soma, Chowdhury,A.K., **Bhattacharya, P.M.**and Singh, Gyanendra (2011) Incidence of Helminthosporium leaf blight of wheat and biochemical background of disease resistance in the Eastern Gangetic Plains. *Journal of Wheat Research*, 3: 26-28.
22. A. Debnath, **P.M. Bhattacharya** and A. Roy. (2011). Standardization of antagonism index based screening technique for determination of biocontrol potentiality of *Trichoderma* species. *Journal of Mycology and Plant Pathology* 41(2):200-206.

#### Research Articles / Short Notes:

1. **P. M. Bhattacharya**, D. Misra, J. Saha, S. Chaudhuri (2000). Arbuscular mycorrhizal dependency of *Eucalyptus tereticornis* Sm. – how real it is? *Mycorrhiza News* 12(3): 11-15.
2. **P. M. Bhattacharya**, A. K. Paul, J. Saha and S. Chaudhuri (2002). Changes in root development pattern of bamboo and sweet orange plants upon arbuscular mycorrhization. *Mycorrhiza News* 14 (1): 15-18.

#### Popular Articles:

1. **Sekhar Bandyopadhyay and Prateek Madhab Bhattacharya** (2008). Joiba Chashe Rog Daman. Joibik Udyan Palan sponsored by National Horticulture Mission. March, 2008 pp 61 – 70.
2. **Sekhar Bandyopadhyay and Prateek Madhab Bhattacharya** (2008). Bijtalar Rog Daman. Udyan Palaner Nursery Poricharja published by Faculty of Horticulture, UBKV, Pundibari, pp 49 – 52.

#### Books:

1. **Chowdhury, A. K.**and **Bhattacharya, P. M.** (2007). A Guide to Mushroom Cultivation. UBKV, pp 89.
2. **Chowdhury, A. K.**and **Bhattacharya, P. M.** (2007). Mushroom Cultivation. UBKV, pp 20.

### Chapter of a Book:

1. **P. M. Bhattacharya**, D. Misra, J. Saha and S. Chaudhuri (2006). Mycorrhizal dependency, phosphorus utilization efficiency and relevance of mycorrhiza for bamboo cultivation in laterite wasteland. In A. Prakash and V. S. Meherotra (eds.) *Mycorrhiza*, Scientific Publishers (India), Jodhpur, pp-97-100. (**Adjudged Best Paper**)
2. R. Saha, J. Saha, **P. M. Bhattacharya**, D. Maiti and S. Chaudhuri (2006). Arbuscular mycorrhizal responsiveness of two rice varieties in nutrient deficient laterite soil. In A. Prakash and V. S. Meherotra (eds.) *Mycorrhiza*, Scientific Publishers (India), Jodhpur, pp-21-26.
3. S. Chaudhuri and **P. M. Bhattacharya** (2000) Mycorrhiza in Plantation Forestry. In: Dasgupta M. K. (ed) *Diseases of Plantation, Spices, Betelvine and Mulberry*. Viswa Bharati, Sriniketan, West Bengal, pp: 40-46.