

NAME : DR. AYON ROY
DESIGNATION : ASSOCIATE PROFESSOR & HEAD
DEPARTMENT : PLANT PATHOLOGY



CONTACT DETAILS

PHONE NO. : +91-9434483593
E-MAIL ID : ayonroy.plantpathology@gmail.com

EDUCATIONAL QUALIFICATION: B.Sc (Ag.), M.Sc (Ag.) Plant Pathology, Ph.D

PROFESSIONAL EXPERIENCE : ASSISSTANT PROFESSOR, since 2003

(POST HELD WITH PERIOD)

AREA OF SPECIALIZATION : Plant Health Management, Biological Control

AREA OF INTEREST : Plant Disease Management, Biofertilizers, Bio-control agents

LIST OF PUBLICATION :

Journal Papers

1. Pan, Sitansu; Hazra, S. and **Roy, A.** 2001. Efficacy of Iprodione and Carbendazim Against Rice Sheath Blight and Their Compatibility with Biocontrol Agents. *Journal of Interacademia* 5(1):11-18.
2. Pan, S.; **Roy, A.** and Hazra, S. 2001. *In vitro* Variability in Biocontrol Potential Among Some Isolates of *Gliocladium virens*. *Advances in Plant Science* 14(1):301-303.
3. Pan, S. K., Hazra, S. and **Roy, A.** 2002. Variation in Some Biological Characters of Wild and Mutant Isolates of *Gliocladium virens*. *Journal of Mycopathological Research* 40(2):107-116.
4. Majumder, N.; Pan, S. K.; Hazra, S. and **Roy, A.** 2003. Variation in spore size of *Trichoderma* and *Gliocladium* in different Mass Multiplication Media. *Journal of Mycopathological Research* 41(1):79-81.
5. **Roy, Ayon** and Pan, Sitansu. 2004. Comparative Study on Rhizosphere colonization by Some Mutant and Wild Isolates of *Trichoderma* species. *Indian Phytopathology* 57(3):255-259.

6. Satya, P. and **Roy, A.** 2005. Genetic Parameters and Disease Reaction in early Planted Red Skinned Potato Genotypes. *Environment and Ecology* 23(2):261-264.
7. **Roy, A.**; Hazra, S. and Pan, Sitansu. 2005. Irradiation to Induce Better Strains of *Trichoderma virens*. *Indian Phytopathology* 58(1):106-110.
8. **Roy, A.** and Pan, Sitansu. 2005. Effect of Fungistasis on Germinability of Wild and Mutant Isolates of *Trichoderma harzianum* and *Gliocladium virens*. *Journal of Mycology and Plant Pathology* 35(2): 319-323.
9. **Roy, A.** and Pan, Sitansu. 2005. Competitive Parasitic Ability and Biocontrol Potential of Mutants of *Trichoderma harzianum* and *Gliocladium virens* Against *Sclerotium rolfsii* Induced Root Rot of Groundnut. *Journal of Mycology and Plant Pathology* 35(2): 326-330.
10. **Roy, A.** and Pan, Sitansu. 2005. Biocontrol Potential of Some Mutants of *Trichoderma harzianum* and *Gliocladium virens* Against Wilt of Pigeon pea. *Journal of Interacademia* 9(4): 494-497.
11. **Roy, A.**, Hazra, S. and Pan Sitansu. 2005. Studies on fungicide tolerance ability of some mutant isolates of *Trichoderma harzianum* and *Gliocladium virens*. *Journal of Mycopathological Research*. 43(1):95-99.
12. G. Chakraborty, S. K. Roy, **A. Roy**, S. Mitra, M. K. Sinha, T. Ramasubramanian, N. Sarkar, B. Das and S. Haque. (2009). Management of Mesta YVMV Vector (*Bemisia tabaci* Genn.) through some latest molecule in the Sub-Himalayan Region of North East India. In: International Conference on “**Emerging Trends in Production, Processing and Utilization of Natural Fibres**”, 2009, Mumbai
13. S. K. Roy, G. Chakraborty, K. K. Goswami, **A. Roy**, S. Mitra, M. K. Sinha, N. Sarkar, B. Das and S. Haque. (2009). Stability of white jute (*Corchorus olitorius* L.) genotypes for fibre yield and attributing traits. In: International Conference on “**Emerging Trends in Production, Processing and Utilization of Natural Fibres**”, 2009, Mumbai
14. S. Mitra, **A. Roy**, A.R. Saha, D. N. Maitra, M. K. Sinha, B. S. Mahapatra and S. Saha. (2010). Effect of integrated nutrient management on fibre yield, nutrient uptake and

soil fertility in jute (*Corchorus olitorius*). *Indian Journal of Agricultural Sciences* 80(9): 801-804.

15. 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.

Chapter of a Book:

1. S. K. Roy, K. K. Goswami, S. Mitra, M. K. Sinha, **A. Roy**, G. Chakraborty, H. S. Das, D. Lalchuanawma and A. Saha. (2008). Stability for fibre yield and component traits in tossa jute (*Corchorus olitorius* L.). In: **Jute and Allied Fibres, Production, Utilization and Marketing**, Book No. ISBN: 978-81-901054-4-6
2. G. Chakraborty, **A. Roy** and S. K. Roy. (2008). Evaluation of IPM strategies for increasing productivity of Jute fibre in terai region of West Bengal. In: **Jute and Allied Fibres, Production, Utilization and Marketing**, Book No. ISBN: 978-81-901054-4-6.