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Specialization: Genetics, Cytogenetics, Plant Breeding and Tissue Culture, Mutation Breeding

Ph.D. Thesis: “Cytogenetically investigation on the effect of some chemical mutagens on jute (*Corchorus olitorius* L.) and application of *in vitro* culture techniques in mutation breeding”.

Publications:

Total : 558 Nos.

First Author : 476 Nos.

Best Ten:

1. Ghosh, P.K. and Chatterjee, A. (1990), Cytogenetical effect of some chemicals an *Corchorus olitorius* L. variety JRO – 632. Research paper presented in the International Symposium on “Chromosome Research: From microscope to molecule” on December 12-14, 1990 at Indian Institute of chemical Biology, Jadavpur, W.B. Abst. No. 29, Page No. 25 Cell and Chromosome research 13 (2): 25.
2. Ghosh, P.K. and Sahakundu, A.K. (1991) Introduction of Superior mulberry Gene Pool in Traditional and non Traditional Area of Malda District of West Bengal. Research paper presented in the International Golden Jubilee Symposium a Genetic Research and Education’ current Trends and the Next Fifty Years” on February 12-15, 1991 at Ashok Hotel, New Delhi. Abst. No. 627, Vol-II page no. 588 In Vol. II, III (I). Important of crops and farm Animals, page no. 1092-1093 (1995)
3. Ghosh, P.K. and Sahakundu, A.K. (1991) Impact of Biotechnology for Sericulture Development Programme on Rural life in West Bengal. Research paper presented in the International Golden Jubilee Symposium on “Genetic Research and Educations”. Current Trends and the next fifty years, on February 12-15, 1991 at Ashok Hotel, New Delhi, vol. no. III, Abstract no. 905, page no. 851. In: vol. IV impact of Biotechnology, page no. 1695 – 1697.
4. Ghosh, P.K. and Chatterjee, A. (1991). Cytogenetical Investigation. On the effect of some chemical Mutagens on *corchorus olitorius* L. variety JRO-632. Research paper presented in the International Golden Jubilee Symposium on “Genetic Research and Education: current trends and the next fifty years” on February 12-15, 1991 organised by Indian Society of Genetics and Plant Breeding, New Delhi at Ashok Hotel, Vol. no. III. Abstract no. 815, page no.763-764.
5. Ghosh, P.K. Sen A.K. Das, B.K. Das, B.C. Sahakundu, A.K. Mistri, P.K. Sen, S.K. Kamble, C.K. and Subber Rao, G. (1992). An investigation on the effect at root knot parasitic nematode (*Meloidogyne Incognita*) on Mulberry Plant (*Morus Sp*). In: Proceeding of the International

Symposium on “XIXth. International Congress of Entomology” held at Beijing, China as June 28 July, 04, 1992, Section : 16P – 24, Form Poster.

6. Ghosh, P.K. and Chatterjee, A. (1993), Gene Mapping of *Corchorus olitorius* L. variety JRO-632 Research paper presented in the International Symposium on “Gene / Genome Mapping : Microbes to man” at Calicut Kerala on July 22-23, 1993. Abstract no. PGGM-8.
7. Ghosh, P.K. (1993), Marketing of cocoons and reeling. In the Malda District at West Bengal, India. In : Proceedings at the International Symposium as “Second International Silk Conferences”, SISTT, China, Guest Lecture, on September 15-30th, 1993.
8. Ghosh, P.K. (1994) Pulse Cultivation in Mulberry (*Morus* Spp), field at Malda District at West Bengal, India. Research paper presented in the International Symposium on “Pulses Research”. Organised by Indian Council of Agricultural Research Institute (IARI), New Delhi on April 2-6-, 1994, 8L, No. 02, Abstract No. 06-31.
9. Ghosh, P.K. and Chatterjee, A. (1994). An Investigation on the cytological effect of Dimethyl Sulfoxide on jute (*Corchorus olitorius* L.) Research paper selected and presented in the “Young Scientist” programme in the International Symposium on “16th International Congress of Biochemistry and Molecular Biology” New Delhi Abstractor supplement and index Vol. III Abstract No. PI – 299, page no. 10.
10. Ghosh, P.K. and Chatterjee, A. (1998) Regeneration of Plants from Epicotyl derived callus tissue of jute (*Corchorus olitorius* L. variety JRO 632) Proceedings of the International Golden Jubilee Symposium on Jute and Allied Fibre Agriculture and its relevance’s to Global Environment” In JUTE and Allied Fibres Agriculture and Processing (Edited by P.Plait, S. Pathak & D.P.Singh). Central Research Institute for Jute and Allied Fibres. Barrackpur – 743101, W.B., India Page No. 35-42).