

Identification of A High Yielding Golden Fiber Crop (Tossa Jute-*Corchorus olitorius* L.) in Bangladesh: BJRI Tossa Pat-7 (MG-1)

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Abstract:

The breeding of tossa jute plant is the main way to develop its qualitative and quantitative traits like higher fiber yield with good qualities, but it is problematic due to narrow genetic base and high photosensitivity of jute plant. Bangladesh Jute Research Institute developed a new high yielding tossa jute (*Corchorus olitorius* L.) variety (MG-1) through pure line selection method during 2015-17. The tossa jute experimental materials were collected from Uganda used with control variety BJRI Tossa pat-5 (O-795). A variety (OM-1) with ovate glossy leaves, gray seeds was developed by hybridization from these genotypes.



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Publication:

1. DNA fingerprinting and chemical analysis of rice genotypes for iron content. *Asian-Australasian Journal of Bioscience and Biotechnology*. (Vol-1, Issue-1, 2016: 1-14)
2. Phenotypic diversity analysis of iron rich rice landraces. *Asian-Australasian Journal of Bioscience and Biotechnology*. (Vol-1, Issue-1, 2016: 15-22)
3. Molecular characterization of rice genotypes for Zinc biosynthetic gene(s) using microsatellite simple sequence repeat (SSR) markers. *Asian Journal of Medical and Biological Research*. (Vol-1, Issue-2, 2015: 187-197; DOI: 10.3329/ajmbr.v1i2.25611)
4. Assessing genetic diversity of Maize (*Zea mays* L.) genotypes for

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