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**In this issue**

## Research Article

Open Access Research Article PTZAID:IJASFT-9-300

### Genetic variability, traits interactions, and principal component analysis of broad-leaf mustard group (Brassica juncea L.) to focus on the yield improvement

Published On: November 15, 2023 | Pages: 104 - 110

Author(s): Md Mahmudul Hasan Khan*, BC Kundu, Suprio Ghosh, Gazi Nazmul Hasan, Md Rashidul Hasan Anik, Md Mainul Islam, Mst Shamima Yesmin, Nasira Akter, Krisna Chandra Saha and Md Torikul Islam

Mustard (Brassica spp.), one of the most important oilseed crops, is currently the third-largest source of vegetable oil in the world. In Rabi, 2022–2023 at the Regional Agricultural Research Station (RARS), Barishal, research of Brassica juncea L. was carried out with 10 genotypes to assess yield and yield contributing features. The RCBD design for the experiment inc ...

Abstract View Full Article View DOI: 10.17352/2455-815X.000200

Open Access Research Article PTZAID:IJASFT-9-298

### Fertilizer doses and mulching effect to mitigate soil salinity and maximize yield of watermelon (Citrullus lanatus L.) in coastal region of Bangladesh

Published On: November 03, 2023 | Pages: 093 - 097

Author(s): Md. Mainul Islam*, Md. Mahmudul Hasan Khan*, Md. Shahidul Islam Khan, Gazi Nazmul Hasan, Nasira Akter, Krisna Chandra Saha, Md. Torikul Islam and Md. Rashidul Hasan Anik

An experiment was conducted in the rabi season at Patuakhali, Bangladesh to verify the effect of different mulching materials for watermelon production under farmers field condition. The aim of this research was to test the possibility of salinity damage can be reduced by elevating potassium (K) fertilization rate on watermelon yield and nutrient uptake under salt str ...

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## Review Article

Open Access Review Article PTZAID:IJASFT-9-299

# Chitosan: A promising plant stimulant

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Author(s): Walled Fouad Abobatta*

Chitosan is a natural polymer produced from the cell walls of fungi and the exoskeleton of crustaceans. Chitosan has exceptional qualities, such as non-toxicity, biodegradability, biocompatibility, affordability, and its capacity to function as a proteinase inhibitor by way of the formation of phytoalexin. Furthermore, positive ionic charges on the chitosan molecule i ...

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