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In this issue

Research Article

Open Access Research Article PTZAID:OJPS-8-153

Effect of tryptophan and glutamic acid on morphological traits of Iranian and Afghan saffron

Published On: May 06, 2023 | Pages: 020 - 026

Author(s): Naseer Mokhles*, Azizollah Kheiry*, Mohsen Sani Khani and Dawlat Sha Poyesh

In order to investigate the effect of amino acids tryptophan and glutamic acid on the morphological traits of the saffron medicinal plant, a factorial experiment was conducted in the form of a randomized complete block design in three replications in 2018 in the research farm of Zanjan University. The experimental treatments include three genotypes (Iranian, Afghani 1 ...

Abstract View Full Article View DOI: 10.17352/ojps.000053

Open Access Research Article PTZAID:OJPS-8-152

Bacterial blight of Brachiaria caused by Burkholderia glumae in Colombia

Published On: April 27, 2023 | Pages: 010 - 019

Author(s): Elizabeth Alvarez* and Michael Latorre

A new disease of Brachiaria was observed in 2009 at the CIAT experiment station in Palmira, Colombia, on plants of B. humidicola (CIAT accession no.16888). In 2016, the disease was observed on multiple genotypes of B. humidicola, Brachiaria hybrid cv. Mulato II, and Brachiaria hybrid Cayman. Symptoms included chlorosis along the midribs and yellowing on flag-leaf marg ...

Abstract View Full Article View DOI: 10.17352/ojps.000052

Open Access Research Article PTZAID:OJPS-8-150

A new method for rapid screening of seed vigority of cereals

Published On: February 04, 2023 | Pages: 001 - 004

Author(s): Mansour Taghvaei*

Seed deterioration is one of the major problems in agricultural production in arid and semi-arid regions. Seed deterioration reduces seed vigor and seedling establishment in the field. To introduce methods with sufficient sensitivity to more accurately determine the degree of grain deterioration, various methods have been developed under the conventional name of "vigo ...

Abstract View Full Article View DOI: 10.17352/ojps.000050

Review Article

Open Access Review Article PTZAID:OJPS-8-151

Somatic embryogenesis induction of Syzygium cumini

Published On: March 01, 2023 | Pages: 005 - 009

Author(s): Mahrous H Mahrous*, Amr El-Hawiet, Amany E Ragab, Hala M Hammoda and Fathy K EL-Fiky

Somatic embryogenesis serves as an effective alternative system for in vitro cultivation of endangered plants (Syzygium cumini), as it allows for the propagation of plants under a controlled environment. So produce hundreds of embryos that can be used as artificial seeds. Somatic embryos of Syzygium cumini, family Myrtaceae, were induced from the calli of a sterile le ...

Abstract View Full Article View DOI: 10.17352/ojps.000051