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In this issue

Research Article

Open Access Research Article PTZAID:OJBB-4-108

Forecast number of new cases of Corona Virus Disease (COVID-19) in Ethiopia, using the case-based autoregressive integrated moving average model

Published On: December 31, 2020 | Pages: 017 - 022

Author(s): Alemu Bekele Eticha*

After the initial outbreak in Ethiopia, the dispersion of SARS-CoV-2 is elevated number of cases. Literally, reported results for confirmed cases peaked in August 2020 and declined after that time, as evidenced by the contestd responses that have invested in pandemic control in the country. ARIMA models are a most widely used approaches to time series forecasting and ...

Abstract View Full Article View DOI: 10.17352/ojbb.000008

Open Access Research Article PTZAID:OJBB-4-106

Partial genomic analysis of spike-glycoprotein among Sudanese camels infected with Middle East Respiratory Syndrome Coronavirus (MERS-CoV)

Published On: July 31, 2020 | Pages: 006 - 011

Author(s): Ibrahim HS*, Kafi SK and Musa HA

MERS-CoV was emerged for the first time in KSA; 2012 followed by a lot of new registered cases in the Middle East, European, American and African countries. The goal of this paper is to make a comparison between the partial spike-glycoprotein reference gene (NC_019843.3; genome region: 23864-24909 with 1046bp) with similar Sudanese camel sequences; using the NCBI data ...

Abstract View Full Article View DOI: 10.17352/ojbb.000006

Open Access Research Article PTZAID:OJBB-4-105

Comparative modeling, structure and active site prediction of Sclerotinia disease-resistant gene BnaMPK3 in Oilseed rape (Brassica napus)

Published On: June 19, 2020 | Pages: 001 - 005

Author(s): Zeshan Haider, Muzdalfa Zulfiqar, Iqrar Ahmad Rana, Rao Sohail Ahmad Khan, Muhammad Numan Akram and Adnan Khan Niazi*

The prerequirement of genetic engineering is to have knowledge about structure and function of transgene and its encoded protein. ...

Abstract View | Full Article View | DOI: 10.17352/ojbb.000005

Short Communication

Open Access Short Communication PTZAID:OJBB-4-107

A Preliminary analysis of potential allergens in a GMO Rice: A Bioinformatics approach

Published On: September 17, 2020 | Pages: 012 - 016

Author(s): Custer C Deocaris*, Rowena Grace Rumbaoa, Anna Mae Gavarra and Malona V Alinsug

This study uses an in silico approach in screening nascent allergens in GMO and conventionally-bred rice. The protein sequences analyzed were taken from published microarray data from GMO and conventionally-bred rice. To determine the proteins' potential allergenicity, we used allergen databases and algorithms such as Allermatch and Algpred. Our analysis revealed the ...

Abstract View | Full Article View | DOI: 10.17352/ojbb.000007