

In this issue

Research Article

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## Phytochemicals screening, cytotoxicity and antioxidant activity of the *Origanum majorana* growing in Casablanca, Morocco

Published On: November 26, 2020 | Pages: 053 - 059

Author(s): Hanane Ennaji\*, Dounia Chahid, Saadia Aitssi, Abdallah Badou, Naima Khilil and Samir Ibenmoussa

*Origanum majorana* is a plant from the Lamiaceae family. It is a medicinal plant used in traditional medicine in Morocco to treat various diseases. This work aims to determine the phytochemical composition of Marjoram, as well as to evaluate its cytotoxic effect on the cells of healthy subjects. All parts of the plant (roots, leaves, stems, etc.) were subjected to sele ...

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## Studying of genetic differentiation among *clupisoma sinensis*, *ompok bimaculatus*, *puntius sophore* & *labeo rohita* species into vishnupuri & jaikwadi dams in godavari river of the system utilizing mtDNA Gene

Published On: September 05, 2020 | Pages: 047 - 052

Author(s): Rabeeha Mankhi Jebur\*

Throughout this research, twenty specimens (*Puntius sophore*, *Clupisoma sinensis*, *Labeo rohita*, and *Ompok bimaculatus*) in both different locations (Vishnupuri & Jaikwadi Dams) in Rivers of Godavari were collected in the network. DNA isolation & specific cytochrome b gene amplification primes were planned, followed by DNA Technical quantification of PCR where the cytb ...

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## Phytochemical screening and antimicrobial activity of crude extract of *Tithonia diversifolia*

Published On: June 15, 2020 | Pages: 028 - 033

Author(s): Oloo Merciline and Menge Dominic\*

*Tithonia diversifolia* is a tropical woody herb or succulent shrub cultivated in many countries; it's an annual or perennial medicinal plant that has been a subject of research due to its various benefits in the treatment of different kinds of ailments. ...

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## Proximate analysis, phytochemical screening and antioxidant activity of different strains of *Ganoderma lucidum* (Reishi Mushroom)

Published On: June 11, 2020 | Pages: 024 - 027

Author(s): Mohammad Azizur Rahman\*, Abdullah Al Masud, Nilufar Yasmin Lira, Salman Shakil

In this study, proximate analysis, phytochemical screening and antioxidant activity of two strains of medicinal mushroom *Ganoderma lucidum* (arbitrarily named strain 5 and 7) and their mix, cultivated in Bangladesh National Mushroom Development Institute, have been determined. The mix was used to determine whether it contains higher nutritive value than strain 5 and 7 ...

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## Identification of genetic differences between two species of morphologically identical *Metapenaeus* Genus from different environmental locations (Khaur Abdullah & Shatt Al- Arab) Southern of Iraq using (RFLP & RAPD) PCR molecular markers

Published On: March 20, 2020 | Pages: 015 - 021

Author(s): Rabeeha Alzuhairi\*

*Metapenaeus affinis* a species from *Metapenaeus* genera of Penaeidae shrimps in Khaur Abdullah (salty water southern of Iraq), morphologically closely related organism with suspected member in Shatt al-Arab (freshwater) also southern of Iraq. Genetic Characterization for them was study to determine the genetically differences by using (RFLP & RAPD)/PCR

molecular markers.T ...

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## Pineapple juice preservation by pulsed electric field treatment

Published On: February 27, 2020 | Pages: 006 - 012

Author(s): Abu Yousuf\*, Md Anisur Rahman, M Rakib Uddin, Md Mozammel Hoque, A S M Sayem, Md Shahadat Hossain, Md Shah Ali, Md Sazzad Ahmed and Mushaida Haque

The effect of pulsed electric field (PEF) treatment on pineapple juice, applied in a batch system, was studied in terms of change in microbial community, bioactive compounds, and antioxidant capacity. Among the bioactive compounds, total phenolic content (TPC), flavonoid, ascorbic acid, and -carotene content were evaluated. The results were monitored over a 10 days o ...

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## Ichneumonidae (Hymenoptera) as parasitoid of Diptera Muscomorpha in Brazil

Published On: January 30, 2020 | Pages: 001 - 003

Author(s): Carlos Henrique Marchiori\*

The flies included in the infra-order Muscomorpha have medical and veterinary importance, since they may produce myiasis and act in carrying pathogens to man and animals. They have been found to carry more than 100 species of disease-causing organisms such as bacteria, protozoa and helminths. Parasitoids are responsible for reducing the populations of flies that proli ...

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### Review Article

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## Pathogenesis, immune response and laboratory diagnosis of severe acute respiratory syndrome associated Coronavirus 2

Published On: July 30, 2020 | Pages: 041 - 046

Author(s): Deepa Revi\*

The pandemic unleashed by Severe Acute Respiratory Syndrome Associated Coronavirus 2 (SARS-CoV-2) has crippled the social, health and economic affairs of the world. This is the third stint with a highly contagious virus being introduced into the human population after the Severe Acute Respiratory Syndrome Associated Coronavirus (SARS-CoV) and Middle Eastern Respirator ...

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## Short Communication

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### **Fisher, Haldane and Wright would be proud owing to population genetics has become in a defiant study area in the genetics researches**

Published On: June 26, 2020 | Pages: 038 - 040

Author(s): María Eugenia Barrandeguy, Daiana Jimena Sanabria and María Victoria García\*

Population genetics is one of the most dynamic areas of investigation within biological sciences. Moreover, this discipline offers a challenge, which is not encountered in most others biological sciences because its main challenge is theoretical rather than experimental [1]. However, its theoretical development come up from analysis of empirical data although in some ...

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## Definition of Diptera Cyclorrhapha or Muscomorpha

Published On: March 13, 2020 | Pages: 013 - 014

Author(s): Carlos Henrique Marchiori\*

Some species of dipterous included in the infraorder Muscomorpha are of fundamental medical and veterinary importance, since they can produce myiasis and act towards transmission of pathogens to humans and animals. These dipterans are potential mechanical vectors for etiological agents such as viruses, bacteria, protozoan cysts and helminth eggs. This study aimed to m ...

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## Clinical potential in modern medicine of fibrin glues as drug delivery system

Published On: February 07, 2020 | Pages: 004 - 005

Author(s): João Paulo Galletti Pilon, Daniela Vieira Buchaim, Abdul Latif Hamzé, Carlos Henrique Bertoni Reis, Getúlio Duarte Júnior, Karina Torres Pomini and Rogério Leone Buchaim\*

In an attempt to achieve greater therapeutic efficiency of products, especially in the pharmacological area such as drugs in general, the drug delivery system that controls the distribution of substances through macromolecular carriers has been developed with the primary objective of optimizing their delivery to target locations [1]. ...

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### Mini Review

## Does classical immunity acquired by the subcontinent population become advantageous to manage COVID-19 due to the low rate of mortality?

Published On: June 23, 2020 | Pages: 034 - 037

Author(s): Partha Pratim Das, Subhash Medhi, Sangit Dutta and Pranab Jyoti Das\*

The global pandemic due to the COVID-19 has severely affected the entire world risking human life and economy. Every possible attempt becomes inadequate in controlling the disease as the number rising each passing day. Indeed, a highly

populated country like India has so far successful in mitigating the outbreak within the country. Meanwhile, the strategy based on a p ...

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## **Intestine microbiota and neurodegenerative diseases: Can microbiota affect the brain?**

Published On: April 21, 2020 | Pages: 022 - 023

Author(s): Evelin F Meirelles and Matheus V Coste Grahl\*

The communication between the digestive tract and the brain is an important aspect to the regulation and maintenance of its functionality. This communication is made by a network of signals that the brain sends to the gastrointestinal tract and vice-versa through the gut-brain axis. These signals can be direct or indirect, direct is a signal sent by the pathogen to th ...

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