

In this issue

Research Article

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Evaluation of Fucoidan for Anti-microbial Potency- An *In-vitro* Study

Published On: August 05, 2025 | Pages: 010 - 013

Author(s): Prakruthi P, Rudrakshi C*, Prabhuji MLV and Arul Selvan

Seaweed extracts are key ingredients in many modern bio-stimulant products, widely recognized for their richness in polysaccharides, minerals, and certain vitamins. While the benefits of seaweed have been known for biocompatibility, it is only in recent times that their bioactive compounds have gained scientific attention. These extracts contain phytochemicals such as ...

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Assessment of HbA1c %, Serum Calcium, Magnesium Levels in Egyptian (Cairo gov.) Diabetic Type 2 Patients

Published On: July 04, 2025 | Pages: 003 - 007

Author(s): Ghada Zas*, Mona Hy, Azza El-S, Asmaa Y and Mona El-SK

Introduction: Patients with type 2 diabetes have been shown to have an elevated prevalence of hypo- calcemia/ hypomagnesemia. Aim: To evaluate the correlation of serum calcium and magnesium with controlled and uncontrolled type 2 diabetes mellitus. Subjects and methods: This case-control study was conducted on 160 adult type 2 diabetic patients (males and females) ...

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Review Article

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Integrative Review: Hemoglobin Biosynthesis and the Nutritional Roles of

Vitamins, Enzymes, and Minerals (2000–2025)

Published On: November 26, 2025 | Pages: 014 - 020

Author(s): Marco Vinícios de Oliveira Santana, Carlos Henrique Marchiori*, Klebert de Paula Malheiros and Êrico Meirelles de Melo
Hemoglobin plays a central role in oxygen transport, carbon dioxide removal, acid-base balance maintenance, of cellular homeostasis in humans. Its structural characteristics and biochemical properties are essential for physiological adaptation in both health and disease. Alterations in hemoglobin concentration, molecular structure, or biological function are associate ...

[Abstract View](#) | [Full Article View](#) | DOI: 10.17352/jbm.000048

Editorial

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A Clinical-Statistical Case Study: Addressing Common Interpretive Ambiguities

Published On: May 24, 2025 | Pages: 001 - 002

Author(s): Martino Recchia*

This article presents a hypothetical clinical scenario to illustrate interpretive ambiguities frequently encountered in mixed-design ANOVA. While based on a fictional dataset, the scenario serves to illustrate methodological challenges that arise when interaction effects are significant, but post-hoc tests yield non-significant results. The objective is to provide ins ...

[Abstract View](#) | [Full Article View](#) | DOI: 10.17352/jbm.000044

Mini Review

Multifunctionality of Cells – A Condition for Evolutionary Success or a Consequence of the Transition to Parasitism

Published On: July 15, 2025 | Pages: 008 - 009

Author(s): VP Nikishin*

The assumption that the evolutionary success of parasitic worms is due to the multifunctionality of their cells, acquired during the transition to a parasitic lifestyle, is discussed. ...

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