

35

ISSN 0970-1915

Volume 40 · Number 1 · Jan–Mar 2025

24/4/25
BP

Indian Journal of Clinical Biochemistry

Association of
Clinical Biochemists of India

Submit manuscripts at:
www.editorialmanager.com/ijcb

 Springer



Indian Journal of Clinical Biochemistry

12291

Official Journal of the Association of Clinical Biochemists of India

EDITORIAL

Unmasking Lead Exposure and Neurotoxicity: Epigenetics, Extracellular Vesicles, and the Gut-Brain Connection

S. Gupta · P. Mitra · P. Sharma 1

REVIEW ARTICLES

Osteoporosis in Adrenal Insufficiency: Could Metformin be Protective?

A.T. Jalil · M.A. Abdulhadi · L.R. Al-Ameer · Z.H. Abd-Alzahraa · M.S. Merza · R.S. Zabibah · H. Bahair · M.H. Yaas 4

Potential Effect of Extracellular Vesicles in Clinical Settings of Lymphoma

G. Mamgain · S.R.M. Yadav 12

Methylenetetrahydrofolate Reductase Gene Polymorphism as a Risk Factor for Coronary Artery Disease

K. Sowndarya · P.A. Manjrekar · R. Shenoy · A. Hegde 25

ORIGINAL RESEARCH ARTICLES

The Combined Impact of Curcumin: Piperine and Sorafenib on microRNAs and Different Pathways in Breast Cancer Cells

H. Effat · M.E. El Houseini · R.S. Abohashem 32

Downregulation of Hedgehog Interacting Protein (HHIP) in Gastric Cancer: Implications for Tumorigenesis

K. Akhtar · G. Rashid · T.B. Rather · I. Maqbool · I. Parveiz · G.A. Bhat · F.Q. Parray · S.B. Yasin · S. Mudassar 46

Combination Therapy of Curcumin and Cisplatin Encapsulated in Niosome Nanoparticles for Enhanced Oral Cancer Treatment

E. Saberian · J. Jenčová · A. Jenča · A. Jenča · A. Petrášová · J. Jenča · A. akbarzadehkhayavi 59

Differential Impact of VNTR Polymorphism in the CBS Gene on Gastric and Breast Cancers Risk

S.Z. Sajjadi · Z. Alizadeh · M. Moghanibashi · P. Mohamadynejad · S. Naeimi 67

Sample Preparation of Adherent Cell Lines for Flow Cytometry: Protocol Optimization—Our Experience with SW-480 colorectal cancer cell line

N. Radenković · M. Milutinović · D. Nikodijević · J. Jovankić · V. Jurišić 74

Diagnostic Utility of Serum Ferritin in Identifying Liver Fibrosis in Patients with Non-Alcoholic Fatty Liver Disease (NAFLD): A Cross-Sectional Study Using National Health and Nutrition Examination Survey (NHANES—2017–2020) Data

J. Ramasamy 80

Assessment of Erythrocytes Methotrexate Polyglutamate Three Levels in Psoriatic Patients Treated with Methotrexate Monotherapy and Their Association with Disease Response

V.K. Goud · A.C. Goud · S. Ramassamy · M. Jayanthi · R. Medha · L. Chandrashekar 89

Asprosin is a Reliable Predictor of Osteoporosis in Type 2 Diabetic Postmenopausal Women: A Case-Control Study

A.B. Roomi · E.A. Ali · W. Nori · M.I. Rahmah 97

SCN1A Genetic Alterations and Oxidative Stress in Idiopathic Generalized Epilepsy Patients:

A Causative Analysis in Refractory Cases

A. Viswas · P.K. Dabla · S. Gupta · M. Yadav · A. Tanwar · K. Upreti · B.C. Koner 105

Persistence of SARS-CoV-2 Antibodies for a Year Following SARS-CoV-2 Vaccinations (BBV152 and ChAdOx1 nCoV-19)

T. Dwivedi · A. Raj · N. Das · R. Gupta · S. Bhatnagar · A. Mohan · R. Guleria 111

Hemoglobinopathies Among Patients Referred to Single Centre in Central India: An Observational Study

M.P.S.S. Singh · R. Kumar · P. Patel · R. Uikey · A. Mun · R. Shanmugam 121

Role of Grape (*Vitis vinifera*) Extracts of Different Cultivars Against γ -Radiation Induced DNA Damage and Gene Expression in Human Lymphocytes

I. Singha · D.K. Poria · P.S. Ray · S.K. Das 127

Redefining the Reference Interval and Cut-Off Values of the Hematological and Biochemical Parameters and Deriving a Sensitive Predictive Marker for Crisis Events in Sickle Cell Disease

S. Patel · D. Chandrakar · P.N. Wasnik · E. Mohapatra · R. Nanda · S. Shah · A. Gupta 136

Documentation of International Staging System (ISS) and Revised International Staging System (R-ISS) for Multiple Myeloma at a Tertiary Care Center: A Clinical Audit

R. Girija Sivasankaran · M. Edachalil Veeraraghavan · N. Sidharthan 151

Cross Sectional Study of Vitamin D Levels in Western Rajasthan and Meta-Analysis for Estimation of Vitamin D Levels

S. Singh · D. Jalan · P. Bhardwaj · P. Sharma · A. Elhence 155

Correction: Cross Sectional Study of Vitamin D Levels in Western Rajasthan and Meta-Analysis for Estimation of Vitamin D Levels

S. Singh · D. Jalan · P. Bhardwaj · P. Sharma · A. Elhence 162

Further articles can be found at <http://link.springer.com/journal/12291>

Indexed/abstracted in PubMed, PubMedCentral, SCOPUS, EMBASE, Chemical Abstracts Service (CAS), Google Scholar, Academic OneFile, Elsevier Biobase, Expanded Academic, Index Copernicus, Indian Science Abstracts, IndMed, INIS Atomindex, MedInd, OCLC, PubMed (12 months embargo), SCImago, Summon by Serial Solutions, Zoological Record

Instructions for Authors for *Ind J Clin Biochem* are available at <http://www.springer.com/life+sciences/biochemistry+%26+biophysics/journal/12291>

Compliance with Ethical Requirements

Indian Journal of Clinical Biochemistry requests that all authors comply with Springer's ethical policies. To view our ethics statements please visit the following:

- Conflict of Interest and Ethical Standards: <http://www.springer.com/authors?SGWID=0-111-6-791531-0>
- Informed Consent: <http://www.springer.com/authors?SGWID=0-111-6-608209-0>

Statement of Human and Animal Rights: <http://www.springer.com/authors?SGWID=0-111-6-608309-0>