

35



Indian Journal of Clinical Biochemistry

Association of
Clinical Biochemists of India

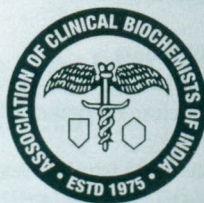
16/12/24
53

For Circulation in India only

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

Double Trouble: Unravelling the Health Hazards of Microplastics and Heavy Metals

P. Mitra · S. Gupta · P. Sharma 447

REVIEW ARTICLES

Role of the AMP-Activated Protein Kinase in the Pathogenesis of Polycystic Ovary Syndrome

A.T. Jalil · M.A. Zair · Z.R. Hanthall · S.J. Naser · T. Aslandook · M. Abosaooda · A. Fadhil 450

Sweet Bell Pepper: A Focus on Its Nutritional Qualities and Illness-Alleviated Properties

A.H. Younes · Y.F. Mustafa 459

Anti-tumor Effects of Polyphenols via Targeting Cancer Driving Signaling Pathways: A Review

K. Moar · S. Yadav · A. Pant · Deepika · P.K. Maurya 470

ORIGINAL RESEARCH ARTICLES

Biochemical and Pharmacological Assessments of Tramadol Abuse on Human Male Fertility: Relation to Seminal Plasma 8-Hydroxyguanosine and Zinc

M.H. Hassan · A.A. Saadeldin · G. Alsagheer · T. Desoky · A.S. Hasan 489

Identification of Novel Biomarkers Using Serum and Urinary Proteomics for Early Detection of Hypoxic Ischemic Encephalopathy

S. Gurtoo · C.N. Kotimoole · K.S. Sahana · A.B. Arun 506

Optimization of Automated Dimethylmethylene Blue Assay for Quantification of Pediatric Urine Samples

N.-L.R. Indika · H. Peiris · N.E.P. Deutz · R. Perera 519

Circulating miRNA-373 and Vascular Endothelial Growth Factor as Potential Biomarkers for Early Detection of Breast Cancer

A.R. Raheem · O.F. Abdul-Rasheed · O.S. Khattab · A.Z. Alsammarraie · H. Al-Aubaidy · H.A. Abid 529

Effects of Dietary Zinc Deficiency and Supplementation on Prepubertal Rat Testes: Sulfhydryl and Antioxidant Status

D. Kumari · N. Nair · R.S. Bedwal 539

Exploring Micronutrient Dynamics in COVID-19 Severity and Mortality: Unraveling the Roles of Vitamin D, Calcium, Phosphorus, Magnesium and ALP

P.K. Kumar · P. Japa · S. Tomo · S. Sankanagoudar · P. Purohit · J. Charan · A. Purohit · V.L. Nag · P.K. Bhatia · K. Singh · N. Dutt · M.K. Garg · S. Misra · P. Sharma · D. Yadav 548

Effect of Unmetabolized Folic Acid on Immunoinflammatory Markers in Sickle Cell Disease Patients Taking Folic Acid Supplementation

D. Chandrakar · S. Patel · P.N. Wasnik · E. Mohapatra · R. Nanda · S. Shah · D.L. Gupta 557

Phytochemical Screening, HPTLC Fingerprinting and Evaluation of In Vitro Cytotoxic Activity of Stem Bark Extracts of *Oroxylum indicum* (L.) Vent. Against Human Cervical Cancer Cells

S. Gam · S. Kumar · S. Kushari · R.S. Dutta · H. Sarma · A. Paul · M.K. Zaman 565

Assessment of Diagnostic Accuracy and Clinical Utility of DNA Methylation (5-mC) in Detecting Severity of Occupational Lead Exposure

R. Kalahasthi · V.K. Adepu · R. Nagaraju 572

Assessing Performance of Martins's and Sampson's Formulae for Calculation of LDL-C in Indian Population: A Single Center Retrospective Study

S. Sankanagoudar · S. Tomo · A. Syiemlieh · P.P. Sharma · M. Banerjee · P. Sharma 579

Correlation of Diabetes Related Factors with Vitamin D and Immunological Parameters in T2DM Kashmiri Population

N. Tarfeen · K. Ul Nisa · S.R. Masoodi · H. Bhat · S. Wani · B.A. Ganai 586

TRAIL C1595T Variant Critically Alters the Level of sTRAIL in Terms of Histopathological Parameters in Colorectal Cancer

C. Horozoglu · A. Yildiz · D. Sonmez · S. Demirkol · Y. Yildiz · S. Arikan · I. Yaylim 593

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>