

Shakir Ali

<https://orcid.org/0000-0002-4002-1231>

Websites & Social Links

Google Scholar (<https://scholar.google.co.in/citations?user=X3okuo8AAAAJ&hl=en>)

Vidwan (<https://vidwan.inflibnet.ac.in/profile/83809>)

Publons (<https://publons.com/researcher/1548962/shakir-ali/>)

Other IDs

Loop profile: 1009383 (http://loop.frontiersin.org/people/1009383/overview?referrer=orcid_profile)

Email

sali@jamiahamdard.ac.in

Biography

I currently serve as a Professor of Biochemistry and Director, R&D at Jamia Hamdard, a Deemed-to-be-University at New Delhi accredited in Category A+ by the National Assessment and Accreditation Council of India, and hold a PhD degree. With over 30 years of experience as a faculty, my academic and research work centres around strategies for the treatment and prevention of chronic diseases, with a particular emphasis on minerals, functional nutrition, and metabolic regulation to elucidate disease mechanisms and develop innovative therapeutic and preventive approaches using the experimental biology and occasionally computational methods. In parallel, I have extensive experience in systematic literature review, high-impact scientific writing, and the development of competitive research proposals, supported by active engagement in multidisciplinary, national and international collaborations. My expertise further spans host (innate) immune response in virus and protozoan infections, tissue injury, repair and regeneration in disease models, regulatory role of bioactive compounds and minerals in disease prevention and treatment, and preclinical evaluation. Previously I have served as Head of the Department of Biochemistry, Dean, School of Chemical and Life Sciences, Dean, School of Nursing Sciences and Allied Health, Controller of Examinations, and Finance Officer (Officiating) of the parent organization, as well as serve as Chairman/ Member/ Expert of various committees both within and outside Jamia Hamdard, including the member of highest University bodies. I have been a recipient of various grants including a UNICEF-ICMR Task Force Study, awards and fellowships, including the Commonwealth fellowship (UK), UGC Research Award (India), and ICMR International Fellowship for Senior Biomedical Scientists (USA). I have published papers in over 150 peer-reviewed journals of international repute, and served as a reviewer of a number peer-reviewed international journals, grant applications, and fellowships. I have authored a Textbook on Cell Biology (Pearson Ed.) and edited two volumes on Liver Diseases (CRC Press), have guided over 40 PhD thesis in the subject area of biochemistry and allied disciplines, and have taught Clinical Biochemistry, Cell Biology, and Microbiology and allied subjects at primarily PG, and also at UG level.

Employment (3)

Jamia Hamdard: New Delhi, Delhi, IN

2008-03-19 to present | Professor (Biochemistry)

Employment

Source:Shakir Ali

Jamia Hamdard: New Delhi, Delhi, IN

2000-07-28 to 2008-03-18 | Reader (Biochemistry)

Employment

Source:Shakir Ali

Jamia Hamdard: New Delhi, Delhi, IN

1994-07-16 to 2000-07-27 | Lecturer (Biochemistry)

Employment

Source:Shakir Ali

Education and qualifications (4)

Jamia Hamdard: New Delhi, IN

1990-10 to 1995-12 | PhD

Education

Source:Shakir Ali

Jamia Hamdard: New Delhi, Delhi, IN

1988-07 to 1990-06 | MSc

Education

Source:Shakir Ali

Jamia Hamdard: New Delhi, Delhi, IN

1988-07 to 1989-06 | D Pharm

Education

Source:Shakir Ali

Jamia Hamdard: New Delhi, Delhi, IN

1984-07 to 1987-06 | BSc

Education

Source:Shakir Ali

Invited positions and distinctions (4)

Jamia Hamdard: New Delhi, Delhi, IN

2020-10-27 | Dean (School of Chemical & Life Sciences)

Distinction

Source:Shakir Ali

Jamia Hamdard: New Delhi, Delhi, IN

2006-07-21 | Head of the Department (Biochemistry)

Distinction

Source:Shakir Ali

Jamia Hamdard: New Delhi, Delhi, IN

2021-06-21 to 2022-05 | Finance Officer (Finance Office)

Invited position

Source:Shakir Ali

Jamia Hamdard: New Delhi, Delhi, IN

2014-02-26 to 2017-02-25 | Controller (Examinations, admissions)

Invited position

Source:Shakir Ali

Membership and service (3)

Ministry of Minority Affairs: New Delhi, Delhi, IN

| Inspecting Authority

Service

Source:Shakir Ali

Indian Biophysical Society: Mumbai, Maharashtra, IN

| Life Member

Membership

Source:Shakir Ali

CPCSEA, Ministry of Fisheries, Animal Husbandry & Dairying: New Delhi, Delhi, IN

| Nominee (Department of Animal Husbandry and Dairying)

Service

Source:Shakir Ali

Works (189 of 189)

Adjunctive zinc supplementation with methotrexate improves therapeutic outcomes in an animal model of arthritis

Inflammopharmacology

2025-10-17 | journal-article

DOI: 10.1007/s10787-025-01958-w

Part of ISSN: 0925-4692

Part of ISSN: 1568-5608

Source:Shakir Ali

Urolithin-A supplementation alleviates sepsis-induced acute lung injury by reducing mitochondrial dysfunction and modulating macrophage polarization

Mitochondrion

2025-09 | journal-article

DOI: 10.1016/j.mito.2025.102047

Source:Crossref

Profiling HIV1-host protein–protein interaction networks in patient-derived exosome proteins: impact on pathophysiology and innate immune pathways

Virology Journal

2025-07-28 | journal-article

DOI: 10.1186/s12985-025-02717-7

Part of ISSN: 1743-422X

Source:Shakir Ali

A dynamin-like protein in *Plasmodium falciparum* plays an essential role in parasite growth, mitochondrial development and homeostasis during asexual blood stages

Biochimica et Biophysica Acta (BBA) - Molecular Cell Research

2025-06 | journal-article

DOI: 10.1016/j.bbamcr.2025.119940

Part of ISSN: 0167-4889

Source:Shakir Ali

Proteomic analysis of two novel peptides from the *Odontobuthus doriae* scorpion venom

Journal of Asian Natural Products Research

2025-03-04 | journal-article

DOI: 10.1080/10286020.2024.2403612

Part of ISSN: 1028-6020

Part of ISSN: 1477-2213

Source:Shakir Ali

Vitexin mitigates oxidative stress, mitochondrial damage, pyroptosis and regulates small nucleolar RNA host gene 1/DNA methyltransferase 1/microRNA-495 axis in sepsis-associated acute lung injury

Inflammopharmacology

2025-03 | journal-article

DOI: 10.1007/s10787-024-01609-6

Part of ISSN: 0925-4692

Part of ISSN: 1568-5608

Source:Shakir Ali

Combating sepsis-induced acute lung injury: PARP1 inhibition mediates oxidative stress mitigation and miR-135a-5p/SMAD5/Nanog axis drives regeneration

International Immunopharmacology

2025-02 | journal-article

DOI: 10.1016/j.intimp.2025.114166

Part of ISSN: 1567-5769

Source:Shakir Ali

Two Novel Peptides from Buthotus saulcyi Scorpion Venom: Proteomic Analysis and Approaches

Current Proteomics

2025-01-20 | journal-article

DOI: 10.2174/0115701646354270250114111820

Part of ISSN: 1570-1646

Source:Shakir Ali

Therapeutic Dose of Zinc Aspartate and Zinc Citrate Attenuates Disease Activity Indices in Rheumatoid Arthritis

Biological Trace Element Research

2024-11-13 | journal-article

DOI: 10.1007/s12011-024-04439-3

Part of ISSN: 0163-4984

Part of ISSN: 1559-0720

Source:Shakir Ali

Identifying quantitative sncRNAs signature using global sequencing as a potential biomarker for tuberculosis diagnosis and their role in regulating host response

International Journal of Biological Macromolecules

2024-06 | journal-article

DOI: 10.1016/j.ijbiomac.2024.132714

Part of ISSN: 0141-8130

Source:Shakir Ali

Boron Facilitates Amelioration of Hepatic Injury by the Osmolyte Glycine and Resolves Injury by Improving the Tissue Redox Homeostasis

Journal of Dietary Supplements

2024-03-19 | journal-article

DOI: 10.1080/19390211.2024.2328340

Part of ISSN: 1939-0211

Part of ISSN: 1939-022X

Source:Shakir Ali

Phenoconversion and in vivo phenotyping of hepatic cytochrome P450: implications in predictive precision medicine and personalized therapy

Hepatology Forum

2024 | journal-article

DOI: 10.14744/hf.2023.2023.0047

Part of ISSN: 1307-5888

Source:Shakir Ali

Investigating the link between miR-34a-5p and TLR6 signaling in sepsis-induced ARDS

3 Biotech

2023-08 | journal-article

DOI: 10.1007/s13205-023-03700-1

Part of ISSN: 2190-572X

Part of ISSN: 2190-5738

Source:Shakir Ali

Role of non-coding RNAs against salinity stress in Oryza species: Strategies and challenges in analyzing miRNAs, tRFs and circRNAs

International Journal of Biological Macromolecules

2023-07 | journal-article

DOI: 10.1016/j.ijbiomac.2023.125172

Part of ISSN: 0141-8130

Source:Shakir Ali

Correction: Gupta et al. Neutrophil Extracellular Traps Promote NLRP3 Inflammasome Activation and Glomerular Endothelial Dysfunction in Diabetic Kidney Disease. <i>Nutrients</i> 2022, <i>14</i>, 2965

Nutrients

2023-05 | journal-article

DOI: 10.3390/nu15112429

Source:Multidisciplinary Digital Publishing Institute

Genetic polymorphism of fatty acid binding protein-2 in hyperlipidemic Asian Indians in North India

American Journal of Human Biology

2023-03 | journal-article

DOI: 10.1002/ajhb.23834

Source:Crossref

Pyrazoline Scaffold: Hit Identification to Lead Synthesis and Biological Evaluation As Antidiabetic Agents

Future Medicinal Chemistry

2023-01 | journal-article

DOI: 10.4155/fmc-2022-0141

Source:Crossref

Xanthone glucoside 2- β -D-glucopyranosyl-1,3,6,7-tetrahydroxy-9H-xanthen-9-one binds to the ATP-binding pocket of glycogen synthase kinase 3 β and inhibits its activity: implications in prostate cancer and associated cardiovascular disease risk

Journal of Biomolecular Structure and Dynamics

2022-11-22 | journal-article

DOI: 10.1080/07391102.2021.1902857

Source:Crossref

Neutrophil Extracellular Traps Promote NLRP3 Inflammasome Activation and Glomerular Endothelial Dysfunction in Diabetic Kidney Disease

Nutrients

2022-07 | journal-article

DOI: 10.3390/nu14142965

Source:Multidisciplinary Digital Publishing Institute

Improving the long-term storage stability of all-trans-retinol in biological matrix

International Journal of Advances in Pharmacy Medicine and Bioallied Sciences

2022-04-30 | journal-article

Source:Shakir Ali

Latent Tuberculosis Infection Diagnosis among Household Contacts in a High Tuberculosis-Burden Area: a Comparison between Transcript Signature and Interferon Gamma Release Assay

Microbiology Spectrum

2022-04-27 | journal-article

DOI: 10.1128/spectrum.02445-21

Part of ISSN: 2165-0497

Source:Shakir Ali

Dual role of an essential HtrA2/Omi protease in the human malaria parasite: maintenance of mitochondrial homeostasis and induction of apoptosis like cell death under cellular stress

2022-03-16 | preprint

DOI: 10.1101/2022.03.16.484580

Source:Crossref

miRPreM and tiRPreM: Improved methodologies for the prediction of miRNAs and tRNA-induced small non-coding RNAs for model and non-model organisms

Briefings in Bioinformatics

2022-01-17 | journal-article

DOI: 10.1093/bib/bbab448

Part of ISSN: 1467-5463

Part of ISSN: 1477-4054

Source:Shakir Ali

Mitochondrial dynamics and mitophagy in lung disorders.

Life sciences

2021-08-10 | journal-article

PMID: 34389405

DOI: 10.1016/j.lfs.2021.119876

Source:Shakir Ali

Mechanism of Mitophagy and Its Role in Sepsis Induced Organ Dysfunction: A Review.

Frontiers in cell and developmental biology

2021-06-07 | journal-article

PMID: 34164394

PMC: PMC8215549

DOI: 10.3389/fcell.2021.664896

Source:Shakir Ali

In silico strategies for probing novel DPP-IV inhibitors as anti-diabetic agents

Journal of Biomolecular Structure and Dynamics

2021-03-31 | journal-article

DOI: 10.1080/07391102.2020.1751714

Part of ISSN: 0739-1102

Part of ISSN: 1538-0254

Source:Shakir Ali

Personalized Care: Prevention of Lifestyle Diseases

2020-10-14 | book-chapter

DOI: 10.5772/intechopen.92001

Source:Shakir Ali

Boron improves cardiac contractility and fibrotic remodeling following myocardial infarction injury

2020-10-13 | journal-article

Source:Shakir Ali

Kinless hubs are potential target genes in prostate cancer network.

2020-09-23 | journal-article

Source:Shakir Ali

Kushta Jast, a conventional herbo-mineral immunity booster tonic: potential use in COVID-19

2020-08-31 | journal-article

Source:Shakir Ali

Inhibition of miRNA-34a Promotes M2 Macrophage Polarization and Improves LPS-Induced Lung Injury by Targeting Klf4

Genes

2020-08-20 | journal-article

DOI: 10.3390/genes11090966

Source:Crossref

Computational prediction and experimental validation of the activator function of C2- β -D-glucopyranosyl-1,3,6,7-tetrahydroxyxanthone on pancreatic and hepatic hexokinase

Journal of Biomolecular Structure and Dynamics

2020-07-02 | journal-article

DOI: 10.1080/07391102.2019.1650829

Source:Crossref

In silico strategies for probing novel DPP-IV inhibitors as anti-diabetic agents

2020-04-20 | journal-article

PMID: 32248758

Source:Shakir Ali

Metabolic effects of exposure to pesticides during gestation in female Wistar rats and their offspring: a risk factor for diabetes?

Toxicological research

2020-02-04 | journal-article

PMID: 32685429

PMC: PMC7351921

DOI: 10.1007/s43188-019-00028-y

Source:Shakir Ali

In-silico profiling and structural insights into the impact of nSNPs in the P. falciparum acetyl-CoA transporter gene to understand the mechanism of drug resistance in malaria

Journal of Biomolecular Structure and Dynamics

2020-01-21 | journal-article

DOI: 10.1080/07391102.2020.1711807

Part of ISSN: 0739-1102

Part of ISSN: 1538-0254

Source:Shakir Ali

Synthesis, characterization and anti-inflammatory activity evaluation of 1,2,4-triazole and its derivatives as a potential scaffold for the synthesis of drugs against prostaglandin-endoperoxide synthase

Journal of Biomolecular Structure and Dynamics

2020-01-10 | journal-article

DOI: 10.1080/07391102.2019.1711193

Part of ISSN: 0739-1102

Part of ISSN: 1538-0254

Source:Shakir Ali

Mining of potential dipeptidyl peptidase-IV inhibitors as anti-diabetic agents using integrated in silico approaches

Journal of Biomolecular Structure and Dynamics

2019-12-18 | journal-article

DOI: 10.1080/07391102.2019.1701553

Part of ISSN: 0739-1102

Part of ISSN: 1538-0254

Source:Shakir Ali

Identification of key regulators in prostate cancer from gene expression datasets of patients

Scientific Reports

2019-11-11 | journal-article

DOI: 10.1038/s41598-019-52896-x

Source:Crossref

Vitamin D suppresses LPS-induced ER stress and inflammation via modulation of mir-34a/Sirt1 axis in acute lung injury

Mechanisms of lung injury and repair

2019-09-28 | conference-paper

DOI: 10.1183/13993003.congress-2019.pa4107

Source:Shakir Ali

TLRs in pulmonary diseases

Life Sciences

2019-09 | journal-article

DOI: 10.1016/j.lfs.2019.116671

Part of ISSN: 0024-3205

Source:Shakir Ali

Gestational Exposure to Pesticides Induces Oxidative Stress and Lipid Peroxidation in Offspring that Persist at Adult Age in an Animal Model

Toxicological Research

2019-07-15 | journal-article

DOI: 10.5487/tr.2019.35.3.241

Part of ISSN: 1976-8257

Part of ISSN: 2234-2753

Source:Shakir Ali

Expansion of a novel lead targeting M. tuberculosis DHFR as antitubercular agents

Bioorganic & Medicinal Chemistry

2019-04 | journal-article

DOI: 10.1016/j.bmc.2019.02.053

Part of ISSN: 0968-0896

Source:Shakir Ali

In vivo phenotyping of cytochrome 450 isoforms involved in the metabolism of anti-HIV and anti-tubercular drugs in human using cocktail approach: An LC-MS/MS analysis

Journal of Pharmaceutical and Biomedical Analysis

2019-02 | journal-article

DOI: 10.1016/j.jpba.2018.11.026

Source:Crossref

ApicoTFdb: the comprehensive web repository of apicomplexan transcription factors and transcription-associated co-factors

Database

2019-01-01 | journal-article

DOI: 10.1093/database/baz094

Part of ISSN: 1758-0463

Source:Shakir Ali

Boron inhibits apoptosis in hyperapoptosis condition: Acts by stabilizing the mitochondrial membrane and inhibiting matrix remodeling

Biochimica et Biophysica Acta (BBA) - General Subjects

2019-01 | journal-article

DOI: 10.1016/j.bbagen.2018.10.007

Part of ISSN: 0304-4165

Source:Shakir Ali

Soy Isoflavones in Integrative Oncology: Increased Efficacy and Decreased Toxicity of Cancer Therapy

Integrative Cancer Therapies

2019-01 | journal-article

DOI: 10.1177/1534735419835310

Part of ISSN: 1534-7354

Part of ISSN: 1552-695X

Source:Shakir Ali

Structural comparison of Mtb-DHFR and h-DHFR for design, synthesis and evaluation of selective non-pteridine analogues as antitubercular agents

Bioorganic Chemistry

2018-10 | journal-article

DOI: 10.1016/j.bioorg.2018.04.022

Source:Crossref

Aedes aegypti microRNA miR-2b regulates ubiquitin-related modifier to control chikungunya virus replication

Scientific Reports

2017-12-15 | journal-article

DOI: 10.1038/s41598-017-18043-0

Source:Crossref

In silico approach for bioremediation of arsenic by structure prediction and docking studies of arsenite oxidase from *Pseudomonas stutzeri* TS44

International Biodeterioration & Biodegradation

2017-08 | journal-article

DOI: 10.1016/j.ibiod.2017.04.021

Source:Crossref

(3R, 3'R)-Zeaxanthin protects the retina from photo-oxidative damage via modulating the inflammation and visual health molecular markers

Cutaneous and Ocular Toxicology

journal-article

Source:Shakir Ali

A monoclonal antibody against 47.2 kDa cell surface antigen prevents adherence and affects biofilm formation of *Candida albicans*

journal-article

Source:Shakir Ali

A new extraction method for the determination of oxytocin in milk by enzyme immune assay or high-performance liquid chromatography: Validation by liquid chromatography-mass spectrometry

journal-article

Source:Shakir Ali

A rapid microprocedure for the determination of retinol in human serum: method validation and detection of the Limit of Quantification

journal-article

Source:Shakir Ali

Adverse effects of TiO₂ and ZnO nanoparticles in soil nematode, *Caenorhabditis elegans*

journal-article

Source:Shakir Ali

***Aedes aegypti* microRNA miR-2b regulates ubiquitin-related modifier to control chikungunya virus replication**

journal-article

Source:Shakir Ali

Age related responses of drug metabolising enzymes to mancozeb, a Zn²⁺ Mn²⁺ containing fungicide

journal-article

Source:Shakir Ali

Alkaloids and hepatocellular carcinoma, in: Role of Biotechnology in Medicinal and Aromatic Plants: Special Volume on Medicinal Plants and Cancer

book-chapter

Source:Shakir Ali

Altered Pathway Analyzer: A gene expression dataset analysis tool for identification and prioritization of differentially regulated and network rewired pathways

journal-article

Source:Shakir Ali

Amelioration of altered antioxidant status by sodium-orthovanadate and *Azadirachta indica* leaf extract on cardiac and skeletal muscles antioxidant defence system in streptozotocin induced diabetic rats

journal-article

Source:Shakir Ali

An ethnobotanical survey of antidiabetic plants used by Hausa–Fulani tribes in Sokoto, Northwest Nigeria

journal-article

Source:Shakir Ali

An overview on proteomics. In: Biotechnology in the welfare of mankind

book-chapter

Source:Shakir Ali

Analysis of antibody response (IgM, IgG, IgG3) to Chikungunya virus using panel of peptides derived from envelope protein for serodiagnosis

journal-article

Source:Shakir Ali

Analysis of oxytocin in milk samples and intake pattern in different age groups of Indian population

journal-article

Source:Shakir Ali

Anomalies in ovary following oral exposure to oxytocin: Mechanistic studies

journal-article

Source:Shakir Ali

Anti-inflammatory and Th-2 directed modulation of immune responses by fresh water fish derived lipids

journal-article

Source:Shakir Ali

Anti-tumour activity of a novel coumarin-chalcone hybrid is mediated through intrinsic apoptotic pathway by inducing PUMA and altering Bax/Bcl-2 ratio

journal-article

Source:Shakir Ali

Antibacterial and anti-inflammatory potential *Bergenia ligulata*

journal-article

Source:Shakir Ali

Antigen specific immune enhancement of innate and acquired immunity by pearl in ashed form

journal-article

Source:Shakir Ali

Antimicrobial activity of some herbal drugs used in Unani system of medicine

journal-article

Source:Shakir Ali

Antioxidant BHT augments paraquat mediated-pulmonary damage in rats: effect on antioxidant defense enzymes, in: Toxicology and Environmental Health

journal-article

Source:Shakir Ali

Aqueous extract of dried flower buds of *Syzygium aromaticum* inhibits Inflammation and oxidative stress

journal-article

Source:Shakir Ali

Arachidonic acid affects biofilm formation and PGE2 level in *Candida albicans* and non-*albicans* species in presence of subinhibitory concentration of fluconazole and terbinafine

journal-article

Source:Shakir Ali

Arginine silicate inositol complex accelerates cutaneous wound healing

journal-article

Source:Shakir Ali

Asbestos induced oxidative injury to DNA

journal-article

Source:Shakir Ali

Attenuated antioxidant property of UV-B irradiated piperine in ischemia-reperfusion injury in SD rat

journal-article

Source:Shakir Ali

Attenuated neuroprotective effect of riboflavin under UV-B irradiation via miR-203/c-Jun signaling pathway in vivo and in vitro

journal-article

Source:Shakir Ali

Attenuation by boron supplementation of the biochemical changes associated with thioacetamide-induced hepatic lesions

journal-article

Source:Shakir Ali

Biochemical and pathophysiological effects of erucic acid and selenium on animals and humans, in: Health and dietary aspects of mustard oil, MRPC

journal-article

Source:Shakir Ali

Borax and boric acid provide different degrees of protection in liver necrosis

journal-article

Source:Shakir Ali

Boron ameliorates fulminant hepatic failure by counteracting the changes associated with the oxidative stress

journal-article

Source:Shakir Ali

Boron and innate immunity: Implication in age-related susceptibility to infections

conference-paper

Source:Shakir Ali

Boron as a metabolic interceptor in liver diseases: Biochemical role and nutritional significance

conference-paper

Source:Shakir Ali

Boron increases the transition temperature and enhances thermal stability of heme proteins

journal-article

Source:Shakir Ali

Boron induces lymphocyte proliferation and modulates the priming effects of lipopolysaccharide on macrophages

journal-article

Source:Shakir Ali

Boron inhibits apoptosis in hyperapoptosis condition: Acts by stabilizing the mitochondrial membrane and inhibiting matrix remodeling

journal-article

Source:Shakir Ali

Boron inhibits the proliferating cell nuclear antigen index, molybdenum 3 containing proteins and ameliorates oxidative stress in hepatocellular carcinoma

journal-article

Source:Shakir Ali

Boron stabilizes peroxide mediated changes in the structure of heme proteins

journal-article

Source:Shakir Ali

Cell death by necrosis: Mechanisms and interception in liver. In: Liver Diseases: Biochemical Mechanisms & New Therapeutic Insights

book-chapter

Source:Shakir Ali

Cell line cross-contamination and accidental co-culture

journal-article

Source:Shakir Ali

Cell specific apoptosis by RLX is mediated by NFκB in human colon carcinoma HCT-116 cells

journal-article

Source:Shakir Ali

Characterization of immunoreactive proteins of Setaria cervi isolated by preparative polyacrylamide gel electrophoresis

journal-article

Source:Shakir Ali

Cholesterol ester transfer protein and apolipoprotein E gene polymorphisms in hyperlipidemic Asian Indians in North India

journal-article

Source:Shakir Ali

Chromium modulates expressions of neuronal plasticity markers and glial fibrillary acidic proteins in hypoglycemia-induced brain injury

journal-article

Source:Shakir Ali

Chronic hypobaric hypoxia mediated skeletal muscle atrophy: Role of ubiquitin-proteasome pathway and calpains

journal-article

Source:Shakir Ali

Clinical Liver Disease: Pathophysiology, Diagnostic and Therapeutic Insights, Volume—II of Liver Diseases: Biochemical Mechanisms & New Therapeutic Insights, CRC Press

edited-book

Source:Shakir Ali

Coenzyme Q10 supplementation modulates NF kappa B and Nrf2 pathways in exercise training

journal-article

Source:Shakir Ali

Detection of histidine rich protein & lactate dehydrogenase of P. falciparum in malaria patients by sandwich ELISA using in-house reagents

journal-article

Source:Shakir Ali

Development of some new micronutrient rich blends of edible vegetable oils

journal-article

Source:Shakir Ali

DNA-reactive ligands: Stereochemistry and molecular mechanisms of interaction with DNA, in: Biophysical Processes in Living Organisms

book-chapter

Source:Shakir Ali

Down-regulated GFAP α : A major player in heavy metal induced astrocyte damage

journal-article

Source:Shakir Ali

Dried fruit extract of Terminalia chebula modulates the immune response in mice

journal-article

Source:Shakir Ali

Dried peel fraction of Citrus sinensis partially reverses pathological changes in rat model of liver cirrhosis

journal-article

Source:Shakir Ali

Dual coated garlic oil microcapsules: in vitro and in vivo characterization

journal-article

Source:Shakir Ali

Effect of acute hypobaric hypoxia on skeletal muscle protein turnover

journal-article

Source:Shakir Ali

Effect of inhibitors on the acetylcholinesterase enzyme and live worms of *Setaria cervi*

journal-article

Source:Shakir Ali

Effect of lower doses of vanadate in combination with *Azadirachta indica* leaf extract on hepatic and renal antioxidant enzymes in streptozotocin-induced diabetic rats

journal-article

Source:Shakir Ali

Engineering defense responses in crops for improvement and yield: Recent advancements in in vitro gene transfer technology. In: *In vitro Applications in Crop Improvement*

book-chapter

Source:Shakir Ali

Epigallocatechin-3-gallate prevents lipid peroxidation and enhances antioxidant defense system via modulating hepatic nuclear transcription factors in heat-stressed quails

journal-article

Source:Shakir Ali

Eps15 homology domain containing protein of *Plasmodium falciparum* (PfEHD) associates with endocytosis and vesicular trafficking towards neutral lipid storage site

journal-article

Source:Shakir Ali

Eugenol-rich fraction of *Syzygium aromaticum* (clove) reverses biochemical and histopathological changes in liver cirrhosis and inhibits hepatic cell proliferation

journal-article

Source:Shakir Ali

Fulminant hepatic failure and its protection by boron

conference-paper

Source:Shakir Ali

Gene network rewiring to study melanoma stage progression and elements essential for driving melanoma

journal-article

Source:Shakir Ali

Genotype-phenotype correlation of cytochrome P450 2C9 polymorphism in Indian National Capital Region

journal-article

Source:Shakir Ali

Hemodynamic Forces-Induced Biochemical Changes in Aortic wall: Effect on redox state of the tissue

journal-article

Source:Shakir Ali

Hepatoprotective effect of Syzygium aromaticum extract on acute liver injury induced by thioacetamide

journal-article

Source:Shakir Ali

Holistic Approach to Traditional and Herbal Medicines: The Role of Omics, Systems Biology, and Computational Technologies

book-chapter

Source:Shakir Ali

Hydro-alcoholic extract of Centella asiatica augments the process of wound healing in animal model

journal-article

Source:Shakir Ali

IL-10 promoter polymorphism and gastric cancer risk in A+ve blood group patients in Kashmiri population

journal-article

Source:Shakir Ali

IL-1 β polymorphism and expression associated with decreased risk of gastric carcinoma: A case control study in ethnic Kashmiri population, India

journal-article

Source:Shakir Ali

IL-8 alterations in HIV-1 infected children with disease progression

journal-article

Source:Shakir Ali

Immunopotentiating effect of Khamira Marwarid, an herbo-mineral preparation

journal-article

Source:Shakir Ali

In silico approach for bioremediation of arsenic by structure prediction and docking studies of arsenite oxidase from *Pseudomonas stutzeri* TS44

journal-article

Source:Shakir Ali

Khamira Marwarid Khas, a herbo-mineral prescription, as mucosal immunopotentiator in murine model

journal-article

Source:Shakir Ali

L-2-Oxothiazolidine-4-carboxylate, an in situ inducer of glutathione, protects against paraquat-mediated pulmonary damage in rat

journal-article

Source:Shakir Ali

Liver Diseases: Pathways, Mediators and Regulation, Volume—1 of Liver Diseases: Biochemical Mechanisms & New Therapeutic Insights, CRC Press

edited-book

Source:Shakir Ali

Liver injury, reactive oxygen species and trace elements, in: Elements and Liver: Proceeding of the International Symposium on Trace Element and Liver Diseases

conference-paper

Source:Shakir Ali

Liver necrosis and fulminant hepatic failure in rats: Protection by oxyanionic form of tungsten

journal-article

Source:Shakir Ali

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Lycopene: Multitargeted Applications in Cancer Therapy", in Natural Products and Cancer Drug Discovery

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Proteomics in developing countries, in: Proteomics: Technologies, Strategies, and Applications, Wiley-Interscience

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Quinazoline based small molecule exerts potent tumour suppressive properties by inhibiting PI3K/Akt/FoxO3a signalling in experimental colon cancer

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The micronutrient boron: Importance of investigations in health and disease, distribution in environment and epidemiological survey

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The role of iron in exacerbation of 7, 12-dimethyle benz(a)anthracene-initiated and 12-0-tetradecanoylphorbol-13-acetate/benzoyl peroxide-promoted cutaneous carcinogenesis, in: Trace Element Toxicity. Minerals and Trace Elements in Health and Disease, An independent NICHE Letter, Smith-Gorden

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Tomato powder supplementation activates Nrf-2 via ERK/Akt signaling pathway and attenuates heat stress-related responses in quails

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Triterpenoid saponin-rich fraction of Centella asiatica decreases IL-1 β and NF- κ B, and augments tissue regeneration and excision wound repair

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Vegetable oil blends after frying and sample stored in different storage packs

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