

Indian Journal of Experimental Biology

<https://niscpr.res.in>; <https://nopr.niscpr.res.in>; <https://or.niscpr.res.in>

VOLUME 63

NUMBER 09

SEPTEMBER 2025

CODEN: IJEB (A6) 63 (09) 711-794 (2025)

ISSN: 0019-5189 (Print); 0975-1009 (Online)

CONTENTS

Papers

- Ellagic acid improved neurodegeneration caused by ischemic stroke through the regulation of glutamatergic and synaptic signaling 715
Pei Zhao & Ting Wang
- Sanguinarine alleviates post-stroke cognitive impairment in rats by modulating the p38 MAPK signaling pathway 726
Jun Xie
- Investigation of the protective effects of geraniol on cyclophosphamide-induced hepatotoxicity in rats 738
Halime Tuba Canbaz, Serpil Kalkan, Rahim Kocabas, Mehmet Enes Sozen & Gokhan Cuce
- Amelioration of kidney damage in diabetic rat by *Catharanthus roseus* (L.) G. Don extract 746
Abhishek Byahut, Arundhati Bag, Chamma Gupta & Mingma Sherpa
- Evaluation of NAV2729 in combination with imatinib in apoptosis induction in chronic myeloid leukemia cells (K562), an *in vitro* study 755
Zahra Shakerinia, Amir Mohammad Zahedi, Roohollah Mirzaee Khalilabadi, Ahmad Fatemi, Alireza farsinejad & Hajar Mardani valandani
- Antibiotic resistance pattern and biofilm forming ability of *ESBL*-carrying *Escherichia coli* and its susceptibility to *Hemidesmus indicus* (L.) R.Br. root extract in conjunction with amoxicillin 765
Kamlesh Kumar, Chandrahas Sannat, S D Hirpurkar, Nidhi Rawat, Sanjay Shakya, Rajat Ratnayke, V Dilliwar, Jasmeet Singh, S M Tripathi & M O Kalim

Notes

- Anti-obesity effects of *Ficus benghalensis* Linn. bark extract in a progesterone-induced model: A biochemical and histological study 773
Sangita Kumari & M P Chopra
- Molecular characterisation and phylogeographic patterns of *Maruca vitrata*, on black gram in rainfed and SAT regions of Andhra Pradesh 781
Ankireddy Jawahar, Gangishetti Ranjithkumar, Nitta Anusha, KSD Siva Roopa Kumar, Gali Suresh & Dhanapati Keerthana Reddy
- Biosurfactant production by bacteria isolated from automobile repair shop and its potential applications 787
Sharly Elgal N, Shyam SS Stalin, Preyenga R & Kayalvizhi B

Author Index

Anusha N	781	Kalim MO	765	Shakya S	765
Bag A	746	Kalkan S	738	Sharly EN	787
Byahut A	746	Kayalvizhi B	787	Sherpa M	746
Canbaz HT	738	Khalilabadi RM	755	Singh J	765
Chopra MP	773	Kocabas R	738	Sozen ME	738
Cuce G	738	Kumar K	765	Stalin SSS	787
Dilliwar V	765	Kumar KSDSR	781	Suresh G	781
Farsinejad A	755	Kumari S	773	Tripathi SM	765
Fatemi A	755	Preyenga R	787	Valandani HM	755
Gupta C	746	Ranjithkumar G	781	Wang T	715
Hirpurkar SD	765	Ratnayke R	765	Xie J	726
Jawahar A	781	Rawat N	765	Zahedi AM	755
		Reddy DK	781	Zhao P	715
		Sannat C	765		
		Shakerinia Z	755		

Keyword Index

Amoxicillin	765	Diabetic nephropathy	746	Middle cerebral artery occlusion (MACO)	726
Anisomycin	726	Drug resistance	755	Mineral salt medium	787
Antibiotic resistance	765	<i>E. coli</i>	765	Molecular identification	781
Antioxidants	738	Enviromental pollution	787	Nephrin	746
Apoptosis	726,738,755	Haplotypes	781	Neuroinflammation	715,726
ARF6 inhibition	755	<i>Hemidesmus indicus</i> root	765	Neuroprotection	715
Atherogenic	773	Histopathology	738	Phytochemicals	746
<i>Bacillus</i>	787	Hydrocarbon	787	Rainfed	781
Biofilm	765	Larvae	781	Receptor	715
Black gram	781	Lipid glucose metabolism	773	Surfactants	787
BMI	773	Liver	738	Synaptic plasticity	715
Cardiac risk factor index	773	Liver function test	773	Tumor microenvironment	755
Chemoprevention	738	MCAO model	715	Tyrosine kinase inhibitor	755
Diabetes	746	Methanolic extract	765		