

Indian Journal of Experimental Biology

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

VOLUME 64

NUMBER 09

SEPTEMBER 2026

CODEN: IJEB (A6) 64 (09) 795-892 (2026)

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

CONTENTS

Papers

- Obese adolescents in central India: genetic insights into early risk of diabetes and cardiovascular disease 799
Sanjay Kumar Pandey, Mahendra Tilkar, Atul Tiwari, Vibha Sinha, Dhananjay Shukla & Sweta Pandey
- Investigation of the effects of *Lacticaseibacillus rhamnosus* GG administration on metabolic hormones in rats 807
Ersin Beyazcicek, Ozge Beyazcicek, Ali Gok, Murat Tekbas & Serif Demir
- Insemination-driven epithelial remodeling and TLR4-mediated immune activation underlie sperm storage tubule maturation in young female kadaknath chickens 815
Satish K Pathak, E Rajaraviteja, Santosh Marandi, Archana Mahapatra and Utkarsh Kumar Tripathi
- Alterations in the activity and isozyme profile of enzymatic stress markers along with histological changes due to lead exposure in *Labeo rohita* 823
Priya Agrawal & Ajeet Kumar Singh
- Impact of extremely low-frequency magnetic fields on neuroinflammation and synaptic protein development in prenatal and postnatal rat brains 835
Hilal Öztürk, Mahmut Alp Kılıç, Alev Meltem Ercan & Devrim Saribal
- Generation and characterization of *MSTN*-disrupted fibroblast clones in buffalo, goats, and sheep using CRISPR 846
Priyanka Singh, Devika Gautam, Shreya Malhotra, Rahul Kumar Meena, Manoj Kumar Singh & Naresh L. Selokar
- Lauric acid attenuates oxidative stress and liver injury in a letrozole-induced mouse model of polycystic ovary syndrome 854
Elnaz Harooni, Akram Ahangarpour, Vahid Radmehr, Razieh Kazemzadeh & Seyed Sobhan Bahreiny
- Glycyrrhizic acid attenuates cisplatin-induced nephrotoxicity: anti-inflammatory mechanisms and renoprotective effects in Wistar rats 862
Ender Tekes, Buket Gungor, Ozlem Coskun & Coskun Silan
- ### Notes
- Effect of different substrates on bioactive compounds of Shiitake Mushroom 871
Dhamini, Upma Dutta, Komal, Sachin Gupta, Moni Gupta & Julie D Bandral
- Development of smart bandages from gelidium extract for efficient wound healing 879
Sowmiya K, Hemalatha V, Chozhavendhan S, Nithya T G & Renganathan S

Author Index

Agrawal P	823	Gupta M	871	Pathak S K	815
Ahangarpour A	854	Gupta S	871	Priyanka Singh	846
Bahreiny S S	854	Harooni E	854	Radmehr V	854
Bandral J D	871	Hemalatha V	879	Rahul Kumar Meena	846
Beyazcicek E	807			Rajaraviteja E	815
Beyazcicek O	807	Kazemzadehl R	854	Renganathan S	879
		Kılıç M A	835		
Chozhavendhan S	879	Komal	871	Saribal D	835
Coskun O	862			Shreya Malhotra	846
		Mahapatra A	815	Shukla D	799
Demir S	807	Manoj Kumar Singh	846	Silan C	862
Devika Gautam	846	Marandi S	815	Singh A K	823
Dhamini	871			Sinha V	799
Dutta U	871	Naresh L. Selokar	846	Sowmiya K	879
		Nithya T G	879		
Ercan A M	835	Öztürk H	835	Tekbas M	807
				Tekes E	862
Gok A	807	Pandey SK	799	Tilkar M	799
Gungor B	862	Pandey S	799	Tiwari A	799
				Tripathi U K	815

Keyword Index

Acute kidney injury	862	GLP-1	807	Minimum inhibitory concentration (MIC)	871
Adolescents	799	Glucose metabolism	807		
Anthocyanins	879	Glycyrrhizic acid	862		
Antimicrobial activity	871	Goats	846	Nephrotoxicity	862
Antioxidant activity	871			Neuroinflammation	835
Antioxidant enzymes	823	Hen	815		
Artificial Insemination	815			Obesity	799
		IC ₅₀	871	Oxidative stress	854
Biodegradable dressing	879	IFN- γ	835	Oxidative stress	823
Buffalo	846	IGF-1	807		
		IL-17A	835	pH-responsive materials	879
Carboxymethyl cellulose (CMC)	879	Inflammation	862	Polycystic ovary syndrome	854
Cardiovascular disease,	799	Insulin	807	Probiotics	807
Chemoprotection,	862				
cisplatin	862	Lauric acid	854	Sheep	846
		LDH	823	Single-Cell Clones	846
Developing Brain	835	Lead Toxicity	823	Sperm Host Glands	815
Diabetes	799	Lentinula edodes	871		
		Lipid	823	Toll Like Receptors	815
ELF-MF	835	peroxidation			
		Lipid profile	799	Utero-Vaginal Junction	815
Genetic polymorphism	799	Liver	854		
Ghrelin	807	Mice	854	Wound monitoring	879