

# Indian Journal of Experimental Biology

<http://www.niscpr.res.in>; <http://nopr.niscpr.res.in>

**VOLUME 62**

**NUMBER 05**

**MAY 2024**

CODEN: IJEB (A6) 62 (05) 305-374 (2024)

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

## CONTENTS

### Papers

- Genetic polymorphism of follicle stimulating hormone beta (*FSHβ*) gene and its association with body weights, scrotal measurements and seminal quality traits in indigenous goats 309  
Asad Khan, Mohan Singh Thakur, Shrikant Joshi, Satya Nidhi Shukla, Ankur Khare, Vaishali Khare, Rajesh Kumar Vandre & Mona Sharma
- Effect of *Nigella sativa* L. extract and thymoquinone on the genes responsible for cell proliferation, migration and NK cell cytotoxicity in breast cancer 317  
Tuğcan Korak, Zeliha Emrence, Sema Sırma Ekmekci, Neslihan Abacı & Emel Ergül
- In vitro* apoptotic and antiproliferative effects of propranolol on human breast cancer cells 326  
Alizade A & Terzi MY
- Correlation between beclin-1 and transforming growth factor-β1 in letrozole induced polycystic ovary syndrome 332  
Nermin M. Hamdy, Hala M. Ghanem, Mervat M. Mohamed, Fawzia A.A. Abd El-Rahman & Ahmed F. Soliman
- Effect of exogenous IGF-1 administration on acetaminophen toxicity induced liver injury 341  
Osman Sezer Çınaroğlu, Ejder Saylav Bora & Oytun Erbaş
- Effect of chrysin on oxidative stress, biochemical, and inflammatory alterations in Wistar albino rats exposed to cypermethrin 349  
Muhammet Yasin Tekeli, Feride Koc, Sinem Calimli & Coşkun Aslan
- Antiepileptic effects of *Allium schoenoprasum* L. in the acute epilepsy model in rats  
Dana Zaqqouq, Aydin Him, Ramazan Guneser & Arzu Turker
- Effect of two types of exercises on MCT1 and GLUT4 expression in visceral white adipose tissue in type I diabetic rats 359  
Maryamosadat Mirtajadini-Goki, Mehdi Abbaspour, Zeinab Kordestani & Mahboobeh Yeganeh-Hajahmadi
- Report on IMMUNOMEET 2024 372

### Author Index

Abacı N	317	Ghanem HM	332	Sharma M	309
Abbaspour M	366	Guneser R	359	Shukla SN	309
Abd El-Rahman FAA	332	Hamdy NM	332	Soliman AF	332
Alizade A	326	Him A	359		
Aslan C	349	Joshi S	309	Tekeli MY	349
				Terzi MY	326
Bora ES	341	Khan A	309		
		Khare A	309	Thakur MS	309
Calimli S	349	Khare V	309	Turker A	359
Çınaroğlu OS	341	Koc F	349		
Ekmekeci SS	317	Korak T	317	Vandre RK	309
		Kordestani Z	366		
Emrence Z	317			Yeganeh-Hajahmadi M	366
Erbaş O	341	Mirtajaddini-Goki M	366		
Ergül E	317	Mohamed MM	332	Zaqzouq D	359

### Keyword Index

Anitcancer	326,317	Follicle-stimulating hormone	332	Oxidative stress	332,341
Antiepileptic drugs	359	Glucose transporter	366	Paracetamol	341
Antitumorigenic activity	326	Glutathione	349	Pesticide toxicity	349
Aspartate aminotransferase	349	Hepatotoxicity	341	Polymorphism	309
Autophagy	332	Herbal	359	Progesterone	332
		Inflammation	341	Protein carbonyl content	332
Barbari	309	Interleukin	349	Reactive oxygen species (ROS)	332
Black Bengal	309	Kalonji	317	Seizure	359
Black cumin	317	Lactate transporter	366	Sirohi	309
Buck fertility	309	Livestock	309		
		Luteinizing hormone	332	Testosterone	332
Chives	359	Malondialdehyde	349	Total antioxidant capacity	332
Diabetes mellitus	366	MCF7	326	Traditional medicine	359
Endurance training	366			Tumor necrosis factor	349
Estradiol	332				
Exercise	366				