



A CSIR Publication

Indian J Exp Biol (Monthly)
AUGUST 2021

CODEN: IJEB (A6) 59 (8) 509 - 576 (2021)
ISSN: 0019-5189 (Print); 0975-1009 (Online)
ijeb@niscair.res.in

Single copy: Rs. 460.00 \$80.00
Annual Subs: Rs. 4600.00 \$800.00

48

Indian Journal of Experimental Biology

2.13
23/9/2021

Indian Journal of Experimental Biology

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

VOLUME 59

NUMBER 08

AUGUST 2021

CODEN: IJEB (A6) 59 (08) 509-576 (2021)

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

CONTENTS

Papers

- Antibacterial efficacy of Jackfruit rag extract against clinically important pathogens and validation of its antimicrobial activity in *Shigella dysenteriae* infected *Drosophila melanogaster* infection model 513
 Dhvani NV, Gayathri Raju, Sumi E Mathew, Gaurav Baranwal, Shivakumar B Shivaram, Neeraj Katiyar, Nilkamal Pramanik, Siddharth Jhunjhunwala, Shilpashree H.B, Dinesh A.Nagegowda, Ritesh Kumar, Ajit K. Shasany, Raja Biswas & Sahadev A Shankarappa
- Antibiotic and antioxidant activities biogenic silver nanoparticles synthesized by *Escherichia coli* (VM1) bacterium 523
 Arumugam Sundaramanickam & Viswanathan Maharani
- Isolation, culture and bacterial contamination of oogonial stem cells of Brown trout, *Salmo trutta macrostigma* (Duméril, 1858) 530
 Kamuran Umut YARAŞ & Şehriban Çek-Yalniz
- Bioactivity guided fractionation of *Bombax ceiba* L. root extract for antidepressant activity and elucidation of mechanism of action using *in silico* studies 539
 Anup Ojha, Ritika Arora, Rukhsar Khan, Sangeeta Pilkhwal Sah & Kumud Upadhyaya
- A preliminary study on perioperative hemostatic effect of spray dried powder of *Chromolaena odorata* leaf extract 547
 Tania S Paul, Biswadeep B Das, Mangesh P Gurav, Yogesh P Talekar & Kishori G Apte
- Indigenous *Lactobacillus* strains improve growth performance and high density cholesterol levels in broilers 556
 Subrota Hati, Birendra K. Mishra, Maulik Patel, Jashbhai B. Prajapati, NJ Bhagora, FP Savaliya, Mohsinkhan Pathan, Purnima B. Jani & DJ Ghodasara
- Biodecolourisation of Bismarck Brown dye using orange peel 564
 J John Paul, A Surendran & A Joseph Thatheyus

Contd..