

Indian Journal of Experimental Biology

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

VOLUME 56 **NUMBER 8** **AUGUST 2018**
 CODEN: IJEB (A6) 56 (6) 531-616 (2018) ISSN: 0019-5189 (Print); 0975-1009 (Online)

CONTENTS

Papers

- Rat bone marrow stromal cell transplantation ameliorates complete spinal cord injury induced sensorimotor dysfunctions and associated neurotransmitters 535
 Suneel Kumar*, Suman Jain, Sujata Mohanty, Thirumurthy Velpandian, Vishnubatla Sreenivas & Rashmi Mathur
- A non-recoverable hybridoma limits the production of monoclonal antibodies against bovine trophoblast non-classical *NC3*00101* protein 547
 Parveen Parasar*, Amanda Wilhelm, William C Davis, Kenneth L White & Christopher J Davies
- Rheum spiciformis*, the medicinal herb with positive modulatory effect on controlled *in vitro* oxidative stress generated experiments 556
 AH Bhat, KB Dar, MA Sofi, SA Dar, A Masood and SA Ganie
- Heat and Drought stress responses alter grain characteristics by impeding starch precursors of wheat 565
 S Bala, B Asthir* & NS Bains
- Effect of Individual and interactive alkalinity and salinity on physiological, biochemical and nutritional traits of Marvel grass 573
 Ashwani Kumar*, Arvind Kumar, Parveen Kumar, Charu Lata & Sourabh Kumar
- Characterization of osmotolerant rhizobacteria for plant growth promoting activities *in vitro* and during plant-microbe association under osmotic stress 582
 Bandeppa, Sangeeta Paul*, Chetana Agarwal, Manjunatha BS & Maheshwar Singh Rathi
- Community level physiological profiling in a first generation phytoremediation experiment 590
 Nwaichi EO* & Chuku LC
- Notes**
- Evaluation of antioxidant, immunostimulatory and antifatigue properties of *Dashmularishta* using *in vitro* and *in vivo* assays 598
 Arun Gupta*, Alka Madaan, Ruchi Srivastava, Satyendra Kumar & JLN Sastry

Cont.

Cloning, characterization and expression analysis of *APETALA2* genes of *Brassica juncea* (L.) Czern. 604

Pooja Sharma*, Anshul Watts, Vajinder Kumar, Ramamurthy Srinivasan & Priyanka Siwach

Genotoxic effect of pesticides on gill tissues of green-lipped mussel *Perna viridis* (L.) 611

Aisha Majid Ali, Nafisa Shoaib, Gul-e-Zehra Naqvi and Pirzada JA Siddiqui

*Author for correspondence

Author Index

Aggarwal C	582	Kumar Suneel	535	Sastry JLN	598
Ali AM	611	Kumar Sourabh	573	Sharma P	604
Bandeppa	582	Kumar Satyendra	598	Shoaib N	611
Bhat AH	556	Kumar V	604	Siddiqui PJA	611
Dar KB	556	Lata C	573	Siwach P	604
Dar SA	556	Madaan A	598	Sofi MA	556
Davies CJ	547	Manjunatha BS	582	Sreenivas V	535
Davis WC	547	Masood A	556	Srinivasan R	604
Ganie SA	556	Mathur R	535	Srivastava R	598
Gupta A	598	Mohanty S	535	Velpandian T	535
Jain S	535	Naqvi GZ	611	Watts A	604
Kumar Arvind	573	Parasar P	547	White KL	547
Kumar Ashwani	573	Paul S	582	Wilhelm A	547
Kumar P	573	Rathi MS	582	Zargar MA	556

Keyword Index

Abiotic stress	565,573,582	<i>Dashmularishta</i>	598	Micronucleus	611
Alkalinity	573	<i>Dichanthium annulatum</i>	573	Monoclonal antibodies	547
Allodynia	535	Drought	582	M-response	535
Alternative splicing	604	Fodder quality	573	Mussels	611
Antifatigue	598	Free radical scavenging	598	Mustard	582
Antioxidants	556	Gas exchange attributes	573	NK cells	598
Ayurvedic	598	Herbal	598	Nociceptive flexion reflex	535
<i>Bacillus</i>	582	Herbicides	611	Non-classical <i>NC3*00101</i> protein	547
Bioinoculants	582	Homeotic gene	604	P815 cell line	547
<i>BjAP2</i>	604	H-reflex	535	PGP activities	582
<i>BniAP2</i>	604	Hybridoma	547	Phytochemicals	556
Bovine leukocyte antigen (<i>BoLA</i>)	547	Hyperalgesia	535	Pollution	611
Brassica	582	Immunomodulatory	598	qRT-PCR	604
Buctril	611	Indian rhubarb	556	Salinity	573
CAPS	604	Ionic relations	573	Swim endurance	598
Chlorpyrifos	611	Kachchh plains	573	Trophoblast	547
Cyhalothrin	611	Malathion	611		
Cypermethrin	611				