

# Indian Journal of Biochemistry & Biophysics

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

---

**VOLUME 54** **NUMBER 5** **OCTOBER 2017**  
 CODEN: IJBBQ 54 (5) 167-234 (2017) ISSN: 0301-1208 (Print); 0975-0959 (Online)

---

## CONTENTS

### Papers

- Biochemical and pharmacological neutralization of Indian saw-scaled viper snake venom by *Canthium parviflorum* extracts 173  
 Vineetha M S, Bhavya Janardhan & Sunil S More\*
- Effects of hydrocarbon chains saturation degree on molecular interaction between phospholipids and cholesterol in mixed monolayers 186  
 Changchun Hao\*, Lei Zhang, Qing Zhang, Guoqing Xu & Runguang Sun\*
- Growth and viability of Probiotic *Weissella kimchi* R-3 in fruit and vegetable beverages 191  
 Bilqeesa Bhat, Mahak Gupta, Syed Tabia Andrabi & Bijender Kumar Bajaj\*
- Different cellulose synthase genes are prominently expressed during fiber elongation in *Gossypium arboreum* and *G. hirsutum* 200  
 GS Newaskar, VP Chimote\*, SS Mehetre, BD Pawar, AA Kale & AS Jadhav
- Enzyme and free radical inhibitory potentials of ethyl acetate extract of endophytic actinomycete from *Syzygium cumini* 207  
 Preeti Saini\* & Madhurama Gangwar
- Azorhizobium caulinodans* ORS 571–*Aspergillus spp.* biofilm in the presence of flavonoid naringenin: An extremely effective association for rice root colonization with a definite future as a nitrogen bio-fertilizer 214  
 Thilini A Perera, TL Shamala Tirimanne\*, G Seneviratne & SA Kulasooriya
- Aphrodisiac efficacy of *Blepharis indica* seeds: A comparative assessment using different solvent types 223  
 Govind Vyas\*, Manish Mathur, Nikunjana A Patel & RP Patel
- Instructions to authors 231

\*Author for correspondence

### Author Index

Andrabi ST	191	Newaskar GS	200
Bajaj BK	191	Patel NA	223
Bhat B	191	Patel RP	223
Chimote VP	200	Pawar BD	200
Gangwar M	207	Perera TA	214
Gupta M	191	Saini P	207
Hao C	186	Seneviratne G	214
Jadhav AS	200	Sun R	186
Janardhan B	173	Tirimanne TLS	214
Kale AA	200	Vineetha MS	173
Kulasooriya SA	214	Vyas G	223
Mathur M	223	Xu G	186
Mehetre SS	200	Zhang L	186
More SS	173	Zhang Q	186

### Keyword Index

Acetylene Reduction Assay	214	Kinetics	207
Alkaloid	223	LAB	191
$\alpha$ -Amylase	207	Male infertility	223
Attractive and repulsive	186	Monolayers	186
<i>Canthium parviflorum</i>	173	Orange juice	191
Carrot juice	191	Phosphodiesterase	173
Cellulose synthase	200	Phospholipase A <sub>2</sub>	173
Compressibility	186	Plant–Microbe association	214
Cotton	200	Pomegranate juice	191
Endophytic colonization of bacteria	214	Probiotic	191
Excess Gibbs energy	186	Prostate	223
Excess molecular area	186	Reducing power	207
Fermentation	191	Saw-scaled viper	173
Fibre	200	Solvent extraction	223
Flavonoid	214	Soymilk	191
Fluorescence intensity	214	Steroidal sapogenin	223
Gene Expression	200	Testosterone	223
GFP	214	Total phenol	207
$\alpha$ -Glucosidase	207	<i>Weissella kimchii</i> R-3	191
Hyaluronidase	173		
Hydroxyl radical	207		