

ISSN 0447-9483

Journal of Scientific Research

Vol. 58 (1 & 2) 2014



तत् त्वं पूषन् अपावृणु सत्यधर्माय दृष्टये

BANARAS HINDU UNIVERSITY
VARANASI-221005 (INDIA)

CONTENTS

Vol. 58 (1 &2) 2014

Section-A : Earth Sciences

- Praveen Kumar Rai,
Kshitij Mohan, V.K. Kumara* Landslide Hazard and its mapping using remote sensing and GIS 1

Section B : Life Sciences

- Bashisth N. Singh* Evolutionary Biology : Concepts of Punctuated Equilibrium, Concerted Evolution and Coevolution 15
- Sandeep Garg and
Rina Chakrabarti* Ascorbic acid Enrichment and Retention in *Daphnia carinata* and *Ceriodaphnia cornuta* 27
- Kavita Krishnamoorti and
A.K. Singh* Comparative behavioural analysis of mating yellow and wild type *Drosophila* of *melanogaster* species group 45
- Shalini Rai, Deepak Kumar
Maurya* Computational analysis of singlenucleotide polymorphisms and insertions/deletions in coding regions of three formae species of *Fusarium oxysporum* 51
- Priya Verma, B.S. Gandhi and
Poonam Singh* Sex-selective alterations in oxidative status and spatial memory performances in mouse following exposure of PBDE-209 during brain growth spurt period 59
- Sangita Singh, Swarn Lata
and K.N. Tiwari* Protective role of *Phyllanthus fraternus* against cyclophosphamide induced nephrotoxicity in mice 75

(iv)

*Naveen Kumar Gautam and
Madhu G. Tapadia* Overview of malpighian tubules development and function in *Drosophila melanogaster* 87

Section C : Physical Sciences

*Hemant K. Verma, Prayas
Sharma and Rajesh Singh* Improved estimator of Finite Population Mean Using Auxiliary Attribute in Stratified Random Sampling 99

*J.S. Parihar, R.D. Singh and
M.S. Dulawat* Some construction of Rectangular Design with Varying Replicates 107

*Kushagra Gupta, Brijesh P.
Singh and K.K. Singh* Factors influencing the choice of the use of temporary and permanent methods of contraception in northern India 113