

# CONTENTS

S. No.	Details of the Publication
<b>Department of Biomedical Sciences</b>	
1.	Rathor N, Chandolia A, Saini NK, Sinha R, Pathak R, Garima K, <b>Singh S</b> , Varma-Basil, M and Bose M (2013) An insight into the regulation of <i>mce4</i> operon of <i>Mycobacterium tuberculosis</i> . <i>Tuberculosis</i> , <b>93</b> : 389-397.
2.	Baskaran P, <b>Singh S</b> and Van Staden J (2013) <i>In vitro</i> propagation, <i>proscillaridin A</i> production and antibacterial activity in <i>Drimys robusta</i> . <i>Plant Cell Tissue and Organ Culture</i> , <b>114</b> : 259-267.
3.	Eniyan K and <b>Bajpai U</b> (2013) Cloning, expression, purification and bioinformatics analysis of 2-methylcitrate synthase from <i>Mycobacterium tuberculosis</i> . <i>Asian Pacific Journal of Tropical Medicine</i> , 412-420.
<b>Department of Botany</b>	
4.	<b>Chaudhary N</b> and Khurana P (2013) Cloning, functional characterization and transgenic manipulation of vitamin E biosynthesis genes of wheat. <i>Functional Plant Biology</i> , doi.org/10.107/FP12265.
5.	<b>Singh S</b> , Ram LC and Sarkar AK (2013) The mineralogical characteristics of the ashes derived from the combustion of lignite, coal washery rejects, and mustard stalk. <i>Energy Sources</i> , <b>35</b> : 2072-2085.
<b>Department of Chemistry</b>	
5.	Khandelwal D, <b>Hooda S</b> , Brar AS and Shankar R (2013) Stereoregularity evolution of isobornyl acrylate and styrene copolymers by 2D NMR spectroscopy. <i>Journal of Molecular Structure</i> , <b>1049</b> : 99-111.
6.	Arya W, Tiwari P, Dogra P, <b>Bala M</b> and <b>Hooda S</b> (2013) Role of tamarind triethylamine chelating resin as biosensor for monitoring of toxic metal ions from industrial waste. <i>National Symposium on Chemistry and Environment</i> , Deen Dayal Upadhyaya College, University of Delhi, March, 22-23, 2013.
7.	Khanna L, <b>Khanna P</b> , Panda CS and Panda SS (2013) Synthesis of various S-S linked symmetric bisazaheterocycles: A review. <i>Mini-reviews in Organic Chemistry</i> , <b>10</b> : 268-280.

<b>Department of Computer Science</b>	
8.	<b>Narang S</b> and Vij M (2013) Long-term effects of expiration of derivatives on Indian spot volatility. <i>ISRN Economics</i> , 1-6.
9.	Vij M and Narang S (2013) Long-term impact of derivative trading on volatility of Indian capital market with special emphasis on crisis period. <i>International Conference on "World Congress on Business, Finance, Marketing and Industrial Management for Sustainable Development"</i> , JNU, May 25-26, 2013.
10.	Malhotra R and <b>Khanna M</b> (2013) Inter project validation for change proneness prediction using object oriented metrics. <i>Software Engineering</i> , <b>3</b> : 21-31.
<b>Department of Physics</b>	
11.	<b>Raj VB</b> , Singh H, Nirmal AT, Sharma MU and Gupta V (2013) Oxide thin films (ZnO, TeO <sub>2</sub> , SnO <sub>2</sub> , and TiO <sub>2</sub> ) based surface acoustic wave (SAW) E-nose for the detection of chemical warfare agents. <i>Sensors and Actuators B</i> , <b>178</b> : 636-647.
12.	<b>Raj VB</b> , Singh H, Nimal AT, Tomar M, Sharma MU and Gupta V (2013) Effect of metal oxide sensing layers on the distinct detection of ammonia using surface acoustic wave (SAW) sensors. <i>Sensors and Actuators B</i> , <b>187</b> : 563-573.
13.	<b>Deb S</b> and Singh HP (2013) Chemical and structural analysis of the large magellanic cloud using the fundamental mode RR Lyrae stars. <i>Monthly Notices of the Royal Astronomical Society</i> .
14.	Kumar M, <b>Singh R</b> and Verma U (2013) Bremsstrahlung soft X-ray emission from clusters heated by a Gaussian laser beam. <i>Laser and Particle Beams</i> , doi: 10.1017/S0263034613000645.
15.	<b>Singh R</b> and Tripathi VK (2013) Parametric coupling of lower hybrid wave with gyrating ion beam driven ion cyclotron instability in a plasma. <i>Physics of Plasmas</i> , <b>20</b> : 072112-7.
16.	Siwal D, <b>Suyal V</b> , Prasad A, Mandal S and Singh R (2013) Development of EMD based signal improvement technique and its application to pulse shape analysis. <i>AIP Conference Proceedings</i> , <b>1524</b> : 271-274.
17.	Siwal D, <b>Suyal V</b> , Prasad A, Mandal S and Singh R (2013) A new approach of denoising the regular and chaotic signals using empirical mode decomposition: comparison and application. <i>Review of Scientific Instruments</i> , <b>84</b> : 075117.
<b>Department of Electronics</b>	

18.	Rambir, Kumar S, Amita, <b>Khanna P, Garg A and Dhingra V</b> (2013) Automating physical chemistry laboratory using sensors and data acquisition systems. National Conference on 'Redefining Science Teaching: Future of Education' organized by Acharya Narendra Dev College at University of Delhi South Campus, March 7-9, 2013.
19.	Rambir, Kumar S, Amita, <b>Khanna P, Garg A and Dhingra V</b> (2013) Mobile phone as a real time sensor based undergraduate laboratory. National Conference on 'Redefining Science Teaching: Future of Education' organized by Acharya Narendra Dev College at University of Delhi South Campus, March 7-9, 2013.
<b>Department of Zoology</b>	
20.	Shukla RK, Tripathi P and <b>Kumar S</b> (2013). Isolation, identification and biochemical characterization of bacteria as potential biocontrol agents. <i>Biosparks-2013</i> , School of Life Sciences, Jawahar Lal Nehru University, New Delhi, February 15-16, 2013.
21.	Srivastava P, Pasha A and <b>Kumar S</b> (2013). Creation of <i>E-museum</i> as OER using wiki platform for undergraduate courses in Zoology. <i>National Conference on 'Redefining Science Teaching: Future of Education'</i> organized by Acharya Narendra Dev College at University of Delhi South Campus, March 7-9, 2013.
22.	Jain A, Seth A, and <b>Kumar S</b> (2013). Formulation of beneficial products from the wastewater of silk industry. <i>National Conference on 'Redefining Science Teaching: Future of Education'</i> organized by Acharya Narendra Dev College at University of Delhi South Campus, March 7-9, 2013.
23.	Seth A and <b>Kumar S</b> (2013). Larvicidal and irritant potential of Citrus peel wastes against Indian strains of malaria vector <i>Anopheles stephensi</i> (Diptera: Anophelinidae). <i>National Conference on 'Redefining Science Teaching: Future of Education'</i> organized by Acharya Narendra Dev College at University of Delhi South Campus, March 7-9, 2013.
24.	Sharma H, Mishra M, Warikoo R and <b>Kumar S</b> (2013). Alterations in haemolymph proteins of <i>Helicoverpa armigera</i> larvae treated with hexane stem extracts of <i>Achyranthes</i> sp. <i>National Conference on 'Redefining Science Teaching: Future of Education'</i> organized by Acharya Narendra Dev College at University of Delhi South Campus, March 7-9, 2013.
25.	Khewadia R, Juneja M and <b>Kumar S</b> (2013). Delayed and abnormal development of Red Cotton Bug, <i>Dysdercus cingulatus</i> (Hemiptera: Pyrrhocoridae) reared on <i>Aloe vera</i> aqueous leaf extract-treated diet. <i>National Conference on 'Redefining</i>

	<i>Science Teaching: Future of Education</i> organized by Acharya Narendra Dev College at University of Delhi South Campus, March 7-9, 2013.
26.	Warikoo R and <b>Kumar S</b> (2013) Impact of <i>Argemone mexicana</i> extracts on Cidal, Morphological and Behavioural Responses of Dengue vector <i>Aedes aegypti</i> L. (Diptera: Culicidae). <i>Parasitology Research</i> , <b>112</b> : 3477-3484.
27.	Solanki R, Das P and <b>Khanna M</b> (2013) Metabolic profiling of <i>Actinomycetes</i> having antimicrobial properties. <i>International Journal of Advanced Biotechnology and Research</i> , <b>4</b> : 444-459.
28.	Das P, Solanki R and <b>Khanna M</b> (2013) Extracellular enzymes from soil <i>Actinomycetes</i> . <i>54<sup>th</sup> Annual Conference</i> , AMI, MDU, Rohtak, November, 17-20, 2013.
29.	<b>Khanna M</b> , Solanki R and Das P (2013) Structure elucidation of antimicrobial compounds from <i>Actinomycetes</i> . <i>54<sup>th</sup> Annual Conference</i> , AMI, MDU, Rohtak, November, 17-20, 2013.
30.	Warikoo R and <b>Kumar S</b> (2013) Potential of <i>Argemone mexicana</i> extracts to manage Indian strain of <i>Aedes aegypti</i> : A novel approach for vector control. <i>XII International Conference on Vector and Vector Borne diseases</i> , Udaipur, September, 16-18, 2013.
31.	Wahab N, Warikoo R, Mishra M and <b>Kumar S</b> (2013) Larvicidal efficacy of natural extracts prepared from <i>Chrysanthemum</i> flowers against Indian strains of <i>Anopheles stephensi</i> Liston, <i>Culex quinquefasciatus</i> Say and <i>Aedes aegypti</i> L. <i>XII International Conference on Vector and Vector Borne diseases</i> , Udaipur, September, 16-18, 2013.