

# CONTENTS

S. No.	Details of the Publications
<b>Department of Botany</b>	
1.	<b>Gupta CK</b> and Sehgal A (2009) Pollination biology of <i>Indotristicha ramosissima</i> (Podostemaceae: tristichoideae). <i>Aquatic Botany</i> , <b>91</b> : 51-56.
2.	<b>Chaudhary N</b> and Khurana P (2009) Vitamin E biosynthesis genes in rice: Molecular characterization, expression profiling and comparative phylogenetic analysis. <i>Plant Science</i> , <b>177</b> : 479-491.
<b>Department of Chemistry</b>	
3.	Brar AS, Goyal AK, and <b>Hooda S</b> (2009) Two Dimensional Nuclear Magnetic Resonance Studies of Acrylate copolymers. <i>Pure Applied Chemistry</i> , <b>81</b> : 389-415.
4.	<b>Uberoi V, Hooda S, Gambhir G, Kumar S</b> and Barua P (2009) Lead chemical sensors for environmentally green chemical process. <i>Proceeding of 3rd Indo-Italian Seminar on Green Chemistry</i> , P-1, University of Delhi, December 9, 2009.
5.	<b>Hooda S</b> , Goyal AK and Brar AS (2009) Microstructure determination of Poly (acrylonitrile-co-methyl methacrylate-co-methyl acrylate) terpolymer by 2D HMBC. <i>Journal of Molecular Structure</i> , <b>920</b> : 424-429.
6.	<b>Khanna P</b> , Saxena A, Khanna L, Bhagat S and Jain SC (2009) Synthesis of novel symmetrical and unsymmetrical bis-spiro[indole-indazolyl-thiazolidine]-2,4'-diones. <i>ARKIVOC</i> , <b>viii</b> : 119-125.
7.	<b>Kumar V</b> , Ahamad T and Nishat N (2009) Some O,O',O'',O'''-di/tetra aryldithioimidophonates transition metal complexes derived from catechol and bisphenole-A as antibacterial and antifungal agents. <i>European Journal of Medicinal Chemistry</i> , <b>44</b> : 785-793.
8.	Singh P, Kumari K, Katyal A, <b>Kalra R</b> and Chandra R (2009) Cu nanoparticles in ionic liquid: An easy and efficient catalyst for addition-elimination reaction between active methylene compounds and imines in an ionic liquid. <i>Catalyst Letters</i> , <b>130</b> : 648-654.
9.	Singh P, Kumari K, Katyal A, <b>Kalra R</b> and Chandra R (2009) Synthesis and characterization of silver and gold nanoparticles in ionic liquid. <i>Spectrochimica Acta Part A</i> , <b>73</b> : 218-220.

10.	Brar AS, Goyal AK, <b>Hooda S</b> and Shankar R (2009) Poly(acrylonitrile-co-methyl Methacrylate-co-methyl acrylate): Synthesis and stereosequence distribution analysis by 2D NMR. <i>Journal of Polymer Science</i> , <b>47</b> : 25-37.
11.	<b>Hooda S</b> , Goyal AK and Brar AS (2009) Stereochemical elucidation of complex $\alpha$ -methyl and $\beta$ -methylene carbon resonances in Poly(2-hydroxy ethyl methacrylate-co-methacrylonitrile) by 2D NMR. <i>Journal of Polymer Science</i> , <b>47</b> : 25-37.
<b>Department of Computer Science</b>	
12.	Bhatnagar V, <b>Kaur S</b> and Gupta N (2009) Identifying structures with informative dimensions in streams. <i>Eighth IEEE International Conference on Computer and Information Science</i> , 375-382.
13.	<b>Kaur S</b> , Bhatnagar V, Mehta S and Kapoor S (2009) Categorizing concepts for detecting drifts in stream. <i>Proceedings of COMAD International Conference on Management of Data</i> , Mysore, India, December 9-12, 2009.
<b>Department of Electronics</b>	
14.	<b>Garg A, Sharma R and Dhingra V</b> (2009) An automated physics laboratory. <i>International Journal on Hands-on-Science</i> , <b>2</b> : 1-4.
15.	<b>Garg A, Sharma R and Dhingra V</b> (2009) An inexpensive Hall Effect Setup. <i>Physics Education</i> , <b>26</b> : 297-310.
16.	<b>Garg A, Sharma R, Dhingra V, Ali N and Gambhir R</b> (2009) Development of a PC based Optical Power Meter. <i>Proceedings of International Conference on Trends in Optics and Photonics (IConTOP)</i> , 1-4 March 2009, Calcutta.
17.	Gupta R, Rathi S, <b>Kaur R</b> , Gupta M and Gupta RS (2009) T-gate geometric (solution for submicrometer gate length) HEMT: Physical analysis, modeling and implementation as parasitic elements and its usage as dual gate for variable gain amplifiers. <i>Superlattices and Microstructures</i> , <b>45</b> : 105-116.
18.	<b>Kaur R</b> , Chaujar R, Saxena M and Gupta RS (2009) Two dimensional simulation and analytical modeling of a novel ISE MOSFET with gate stack configuration. <i>Microelectric Engineering</i> , <b>86</b> : 2005-2014.
<b>Department of Zoology</b>	
19.	Solanki R, <b>Khanna M</b> and Lal R (2009) Screening of <i>Actinomycetes</i> for antimicrobial compounds. <i>50<sup>th</sup> Annual Conference of AMI – “Third Golden Era of Microbiology”</i> , Pune, December, 15-18, 2009.
20.	<b>Kumar S</b> , Thomas A, Samuel T, Sehgal A, Verma A and Pillai MKK (2009)

	Diminished reproductive fitness associated with the deltamethrin resistance in an Indian strain of dengue vector mosquito, <i>Aedes aegypti</i> L. <i>Tropical Biomedicine</i> , <b>26</b> : 155-164.
21.	Hwang JS, <b>Kumar R</b> and Kuo C-S (2009) Impact of predation by the copepod ( <i>Mesocyclops pehpeiensis</i> ) on life table demographics and population dynamics of four cladoceran species: a comparative laboratory study, <i>Zoological Studies</i> , <b>48</b> : 738-752.