

5th Uttarakhand State Science and Technology Congress-2010 (5th USSTC)

Organized Jointly by:

Uttarakhand State Council for Science and Technology (UCOST), Dehradun
in association with Doon University, Dehradun

Venue:- Doon University, Dehradun : Dates:- 10-11-2010 to 12-11-2010

Category		Name of the Awardee	Affiliation	Title of Paper
1-AGRICULTURAL SCIENCES				
Oral	I	Parul Bhatt Kotiyal	Forest Research Institute PO- New Forest Dehradun Email: parulbhatt29@gmail.com Mob: 9997314468	CHARACTERIZATION OF PGPR AND ITS APPLICATION AS BIOFERTILIZERS FOR GROWTH ENHANCEMENT IN CHICKPEA (<i>CICER ARIETINUM</i> L.)
	II	V.K. Singh	Krishi Vigyan Kendra Lohaghat Champawat Email: vkskvk@rediffmail.com Mob: 9411539862	TECHNOLOGICAL APPROACH FOR FISHERIES DEVELOPMENT TO IMPROVE LIVELIHOOD OF RURAL POPULATION IN MID HILLS OF UTTARAKHAND
Poster	I	Gitanjali Bangari	Department of Plant Pathology G.B. Pant University of Agriculture and Technology Pantnagar Email: gitanjali.bangari@gmail.com Mob: 9410171870	EVALUATION OF SORGHUM GERMPASM AGAINST ANTHRACNOSE CAUSED BY <i>COLLETOTRICHUM GRAMINICOLA</i> (CES.) WILSON
	II	S.K. Sharma	Krishi Vigyan Kendra Bazpur road Kashipur Email: shivshibbu@yahoo.com Mob: 9412926530	AQUAPONIC SYSTEM: AN INTEGRATED APPROACH FOR SUSTAINABLE FOOD PRODUCTION
2-BIOTECHNOLOGY, BIOCHEMISTRY & MICROBIOLOGY				
Oral	I	Moin Akhtar	Department of Genetics and Plant Breeding G.B. Pant University of Agriculture and Technology Pantnagar Email: moin_biotech@yahoo.co.in	MOLECULAR CLONING OF ORTHOLOGS OF CBF/DREB TRANSCRIPTION FACTOR FROM UNEXPLOITED COLD ADAPTED INDIGENOUS PLANT SPECIES
	II	Vikram Singh Gaur	Department of Molecular Biology & Genetic Engineering College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar Email: vikramsinghgaur@yahoo.co.in Mob: 9997907260	UNDERSTANDING THE MOLECULAR BASIS OF NITROGEN USE EFFICIENCY: A STRATEGY FOR ENGINEERING RICE FOR OPTIMIZATION OF NITROGEN INPUTS FOR BETTER PRODUCTIVITY AND LESSER HARM TO ENVIRONMENT
Poster	I	Manasi Gupta	Chemical Biology and Drug Discovery Lab Department of Biotechnology Indian Institute of Technology Roorkee Roorkee Email: manasi149@gmail.com Mob: 9760406111	A MICROBE ISOLATED FROM UTTARAKHAND DEGRADES MULTIPLE PESTICIDES
	II	...NO PRESENTATIONS...		

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3-BOTANY				
Oral	I	Ninad B. Raut	Department of Habitat Ecology Wildlife Institute of India Post Box# 18, Chandrabani Dehradun Email: ninad@wii.gov.in Mob: 9410367064	STATUS OF TRADITIONAL KNOWLEDGE ON USE OF MEDICINAL PLANTS IN UTTARKASHI DISTRICT, UTTARAKHAND
	II	Himanshu Rai	Department of Botany Pt.L.M.S Govt. (PG) College Rishikesh Email: himanshurai08@yahoo.com Mob: 9415462755	TERRICOLOUS LICHENS AS INDICATORS OF HABITAT VARIABILITY AND HUMAN-RELATED IMPACTS IN GARHWAL HIMALAYA
Poster	I	Vandana Sharma	Department of Botany K L DAV (PG) College Roorkee, (UK) Email: vandanaavashist21@gmail.com Mob: 9045602577	MICROPROPAGATION OF <i>EPHEDRA GERARDIANA</i> WALL.: AN ENDANGERED MEDICINAL PLANT
	II	NOT FOUND SUITABLE		
4-CHEMISTRY				
Oral	I	Shyam vir Singh	Department of Chemistry H.N.B. Garhwal University Campus Pauri Pauri Email: shyamveer91084@rediffmail.com	DYEING OF WOOL AND COTTON FIBERS WITH SOME PLANTS EXTRACT AND ISOLATED COMPOUNDS USING BOTANICAL AND CHEMICAL MORDANTS
	II	Kamal Kumar	Bitumen Lab. HOPD Indian Institute of Petroleum Dehradun Email: maurya@iip.res.in, ucgupta@iip.res.in Mob: 9528199663	USE OF POLYMERS/WASTE RUBBER IN ROAD NETWORK DEVELOPMENT IN UTTARAKHAND STATE
Poster	I	Darshan Singh	Phytochemistry Research Laboratory D.S.B. Campus Kumaun University Nainital Email: kambojdarshan@gmail.com Mob: 9720660441	SESQUETERPENE HYDROCARBON RICH VOLATILE CONSTITUENTS OF <i>CARYOPTERIS ODORATA</i> (HAM. EX ROXB.). ROB.
	II	Vipin Kumar Bansal	Department of Chemistry Indian Institute of Technology Roorkee Roorkee Email: vipiniitr@gmail.com Mob: 9219278027	OXIDATION OF STYRENE USING H ₂ O ₂ CATALYZED BY TETRAAZAMACROCYCLE COMPLEXES OF NI(II) ENCAPSULATED IN ZEOLITE-Y

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5-Earth Sciences including Geology, Geomorphology, Geophysics & Glaciology

Oral	I	Alpana Hyanki	Department of Geology Kumaun University Nainital Email: alpana.hyanki@gmail.com, alpana.geo@gmail.com Mob: 9759750133	ISOGRADS IN CENTRAL CRYSTALLINES OF MAIN CENTRAL THRUST ZONE OF KUMAUN HIMALAYA, UTTARAKHAND INDIA: SOME NEW PARADIGMS
	II	Ansuya Bhandari	Wadia Institute of Himalayan Geology 33, GMS Road Dehradun Email: ansuya17@rediffmail.com Mob: 9808897632	OSTRACODA FROM SIWALIK GROUP OF MOHAND AREA OF DISTRICT SAHARANPUR, GEOLOGICAL AND PALEOBIOLOGICAL INFERENCES
Poster	I	...NO PRESENTATIONS...		
	II	...NO PRESENTATIONS...		

6-ENGINEERING SCIENCE AND TECHNOLOGY

Oral	I	Putul Halder	Department of Earthquake Engineering Indian Institute of Technology Roorkee Roorkee Email: reach2putul@gmail.com Mob: 9359201237	SEISMIC RISK ASSESSMENT OF HOUSING
	II	Manoj Kumar Gattani	Biogas Development and Training Center (BDTC) University of Petroleum & Energy Studies PO- Bidholi, Via Premnagar Dehradun Email: manoj.gattani@hotmail.com Mob: 8006549974	A SIMPLE AND COST EFFECTIVE METHOD/DEVICE TO IMPROVE THERMAL EFFICIENCY AND REDUCE EMISSION IN TRADITIONAL HOMES USING SOLID FUEL CHULHA
Poster	I	Saurabh Kumar	Department of Computer Science & Engineering Dehradun Institute of Technology Mussoorie Diversion Road Vill. Makkawala Dehradun Email: sk_ahalawat@rediffmail.com Mob: 9997414005	CROSS SITE SCRIPTING ATTACK ANALYSIS AND MITIGATION
	II	...NO PRESENTATIONS...		

7-ENVIRONMENTAL SCIENCE & FORESTRY

Oral	I	Yogesh Gairola	Bamboo Plantation Indian Council of Forestry Research and Education New Forest Dehradun Email- gairolayogesh@gmail.com Mob: 9412075090	ETHNOBOTANY OF RINGAL (A HILL BAMBOO): A CASE STUDY OF 'NAID' COMMUNITY IN GARHWAL HIMALAYA
	II	Manisha Thapliyal	Forest Research Institute Dehradun Email: thapliyalm@icfre.org Mob: 9410505639	SEED MORPHOLOGY, GERMINATION AND DESICCATION STUDIES IN DIPLOKNEMA BUTYRACEA

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Poster	I	Swati Nagar	Environmental Impact Assessment Division Indian Council of Forestry Research and Education PO- New Forest Dehradun Email: swati23n@rediffmail.com Mob: 9997978855	ROLE OF COMMUNITY PARTICIPATION IN FOREST FIRE MANAGEMENT IN SELECTED VILLAGES OF JHAJRA RANGE IN UTTARAKHAND
	II	NOT FOUND SUITABLE		
8-HOME SCIENCE INCLUDING TEXTILE, FOOD, NUTRITION & CHILD DEVELOPMENT				
Oral	I	Vandana Sharma	Department of Clothing & Textiles College of Home Science G.B. Pant University of Agriculture and Technology Pantnagar Email: texsep_22@yahoo.co.in Mob: 9837038221	ECOFRIENDLY BAMBOO-COTTON FIBER BLENDS FOR PROTECTIVE AND HEALTHCARE TEXTILES
	II	Priyanka Chakravarty Indu	Department of Foods and Nutrition Home Science College G. B. Pant University of Agriculture and Technology Pantnagar Email: chaks_priya@rediffmail.com Mob: 9957097613	DEVELOPMENT OF CEREAL-LEGUME BASED ASHWAGANDHA INCORPORATED FUNCTIONAL BISCUITS AND THEIR SUITABILITY IN DIABETIC DIET
Poster	I	NOT FOUND SUITABLE		
	II	Rajkumari	Department of Foods and Nutrition Home Science College G.B. Pant University of Agriculture & Technology Pantnagar Email: rajvishwakarma2000@gmail.com Mob: 9410121468	DETERMINATION OF TOTAL IRON AND IONIZABLE IRON OF NUTRIBAR
9-MATERIAL SCIENCE & NANO TECHNOLOGY				
Oral	I	NOT FOUND SUITABLE		
	II			
Poster	I			
	II			
10-MATHEMATICS, STATISTICS & COMPUTER SCIENCE				
Oral	I	Nidhi Tiwari	Department of Mathematics, Statistics & Computer Science College of Basic Sciences and Humanities G.B. Pant University of Agriculture & Technology Pantnagar Email: nidhitiwari26@gmail.com Mob: 9410732567	ANALYSIS OF A COMPLEX SYSTEM UNDER MARKED PROCESS AND VACATIONS OF REPAIRMAN USING COPULA

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	II	Nirvikar	Department of Mathematics College of Engineering Roorkee Roorkee Email: nirvikarlohan@yahoo.com Mob: 9412072602	RECONSTRUCTION WITH 16 PROJECTIONS USING ART
Poster	I	Chanda Thapliyal Nautiyal	Department of Mathematics D A V (PG) College Dehradun Email: chanda.nautiyal@gmail.com Mob: 9412394661	VISUAL SERVO CONTROL DESIGN FOR THE TRACKING OF OBJECTS BY ROBOT MANIPULATOR USING NEURAL NETWORK
	II	NOT FOUND SUITABLE		
11-MEDICAL SCIENCE INCLUDING PHARMACEUTICAL SCIENCE				
Oral	I	Yogendr Bahuguna	Division of Pharmaceutical Sciences Shri Guru Ram Rai Institute of Technology and Sciences Patel Nagar Dehradun Email: yogendr.bahuguna@gmail.com Mob: 9761249115	EFFECT OF <i>JASMINUM AURICULATUM</i> AND <i>PYRACANTHA CRENULATA</i> EXTRACTS ON CALCIUM OXALATE UROLITHIASIS IN RATS
	II	Sangeeta Pilkhwai Sah	Department of Pharmaceutical Sciences Bhimtal Campus Kumaun University Nainital Email: spilkhwal@rediffmail.com Mob: 9411323402	ANTIDEPRESSANT EFFECT OF <i>VALERIANA WALLICHII</i> PATCHOULI ALCOHOL CHEMOTYPE IN MICE: BEHAVIORAL AND BIOCHEMICAL EVIDENCE
Poster	I	Archana Uppal	Department of Pharmaceutical Sciences Shri Guru Ram Rai Institute of Technology and Sciences Patel Nagar Dehradun Email: destination1234@gmail.com Mob: 9690075735	ANTIDEPRESSANT ACTIVITIES OF SOME NOVEL SUBSTITUTED 1,2,3,4-TETRAHYDRO NAPHTHALENE DERIVATIVES
	II	Alka N Choudhary	Department of Pharmaceutical Sciences Bhimtal Campus Kumaun University Bhimtal Email: alka_pharma@rediffmail.com Mob: 9760860145	QSAR ANALYSIS OF CHALCONE DERIVATIVES AS LIPID PEROXIDATION INHIBITOR
12-PHYSICS				
Oral	I	Ram Prakash Nautiyal	Optical Design Group IRDE Raipur Road Dehradun Email: ramprakashnautiyal@gmail.com Mob: 9410571500	OPTICAL DESIGN OF SWIR CAMERA LENS
	II	NOT FOUND SUITABLE		

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Poster	I	Bhawna Pandey	Department of Physics College of Basic Sciences & Humanities G.B.Pant University of Agriculture & Technology Pantnagar Email: bhawna.16p@gmail.com Mob: 9759413107	EXCITATION FUNCTIONS OF (N,P) REACTIONS FOR ALL NICKEL ISOTOPES FROM THRESHOLD TO 20 MEV
	II	NOT FOUND SUITABLE		
13-SCIENCE & SOCIETY INCLUDING SCIENCE POPULARIZATION				
Oral	I	NOT FOUND SUITABLE		
	II	Himadri Phukan	School of Management College of Engineering Roorkee Roorkee Email: himadriphukan@rediffmail.com Mob: 9411111997	IDENTIFYING ECONOMIC INDICATORS FOR MEASURING EFFECT OF SPIRITUAL TOURISM ON FINANCIAL PERFORMANCE OF UTTARAKHAND
Poster	I	...NO PRESENTATIONS...		
	II	NOT FOUND SUITABLE		
14-VETERINARY SCIENCES & ANIMAL HUSBANDRY				
Oral	I	Bhaskar Ganguly	Department of Animal Reproduction, Gynecology & Obstetrics College of Veterinary & Animal Sciences G.B. Pant University of Agriculture & Technology Pantnagar Email: vetbhaskar@gmail.com Mob: 9411159689	INHIBITION OF GUMBORO VIRUS BY WITHANIA SOMNIFERA EXTRACT
	II	Yashpal S. Malik	Indian Veterinary Research Institute Mukteswar Nainital Email: malikyps@yahoo.com Mob: 9410938913	MOLECULAR CHARACTERIZATION AND EVOLUTIONARY LINEAGE ANALYSIS OF TOLL LIKE IMMUNE RECEPTOR GENE 7 OF BOS GRUNNIENS (YAK) AND BOS INDICUS OF UTTARAKHAND, INDIA
Poster	I	...NO PRESENTATIONS...		
	II	Ravindra Kumar Tiwari	Krishi Vigyan Kendra (VPKAS-ICAR) Chinyalisaur Uttarkashi Email: ravindratiwari77@gmail.com Mob: 9411748711	EFFECT OF SUPPLEMENTARY INORGANIC MINERAL MIXTURE ON BODY WT. GAIN OF MALE GOAT
15-ZOOLOGY				
Oral	I	Swati Sharma	Zoology Department Government P. G. Collage Dakpathar Vikasnagar Email: swati.dakpathar@rediffmail.com Mob: 9456113462	COMPARATIVE STUDY OF DIATOMFLORA OF SULPHUR AND NON-SULPHUR STREAMS AT SAHASTRADHARA, DEHRADUN (UTTARAKHAND)

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	II	Manisha Uniyal	Department of Zoology Principal Investigator (DST Project) Shri Guru Ram Rai (PG) College Dehradun Mob: 9837862069 Email: muniyal19@rediffmail.com	VERTICAL VARIATION IN THE MACROZOOBENTHIC DIVERSITY WITHIN THE HYPORHEIC ZONE IN RIVER BHAGIRATHI DOWNSTREAM THE TEHRI DAM RESERVOIR, UTTARAKHAND HIMALAYAS, INDIA
Poster	I	Koshal Kumar	Department of Zoology Govt. (PG) College Rishikesh Email: koshalbagelu@gmail.com Mob: 9456392239	SEASONAL VARIATION OF FRESH WATER PRAWNS (MACROBRACHIUM ASSAMENSIS PENINSULARIS) FROM THE TWO TRIBUTARIES OF GARHWAL HIMALAYA, UTTARAKHAND
	II	Mamta Pandey	Department of Zoology D.A.V (PG) College Dehradun Email: pandey.mamta03@gmail.com Mob: 9997185768	PREVALANCE & INTENSITY OF HELMINTH PARASITES OF MASTACEMBALUS ARMATUS FROM HIMALAYAN REGION OF YAMUNA RIVER
INNOVATOR OF THE YEAR				
		Hemendra Gupta	Society of Pollution & Environmental Conservation Scientists 115 Krishan Nagar Dehradun Email: ecocampaign@yahoo.com Mob: 9412320354	ENERGY EFFICIENT LIGHTS - A NEW ERA FOR RURAL EMPLOYMENT