



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List *ORAL Presentation* Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
A.K. Bhandari	Herbal Research and Development Institute Mandal Gopeshwar Chamoli	Science & Society/ Science Communication	2	CORDYCEPS SINENSIS: A CALL FOR FORTIFICATION OF HIMALAYAN GOLD	432
Aakanksha Kasania	Wood Anatomy Discipline Forest Botany division Forest Research Institute PO- New Forest Dehradun	Botany	1	ANATOMICAL VARIATION IN SECONDARY XYLEM OF MEDIUM DENSITY TREES OF UTTARAKHAND	108
Aanchal Loshali	Sardar Bhagwan Singh University Balawala Dehradun	Medical Science including Pharmaceutical Science	1	PHARMACOGNOSTIC AND PHYSICO- CHEMICAL INVESTIGATION OF LEAVES OF PUTRANJIVA ROXBURGHII	281
Aashaq Hussain Dar	Department of Livestock Production Management CVASC. G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Veterinary Sciences & Animal Husbandry	1	EFFECT OF FEEDING PROBIOTIC, PREBIOTIC AND THEIR COMBINATION (SYNBIOTIC) ON PERFORMANCE OF CROSSBRED CALVES	441
Abhinav Manish	Shri Guru Ram Rai Institute of Medical & Health Sciences Patel Nagar Dehradun	Biotechnology, Biochemistry & Microbiology	1	MOLECULAR CHARECTERIZATION OF DENGUE AND CHIKUNGUNYA VIRUSES AND THEIR ASSOCIATOIN WITH LIVER ENZYMES	54
Ajay Kumar Chandra	Department of Molecular Biology and Genetic Engineering College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Biotechnology, Biochemistry & Microbiology	1	GENOME WIDE ASSOCIATION MAPPING FOR IDENTIFICATION OF GENES INVOLVED IN IRON (FE) HOMEOSTASIS FOR DEFINING SEED IRON CONTENT TRAITS USING DIVERSE COLLECTION OF FINGER MILLET GERMPPLASMS	55
Ajaykumara K.M.	Department of Entomology College of Agriculture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	A NOVEL TRAP TECHNIQUE FOR THE MANAGEMENT OF AN OBNOXIOUS P EST HELICOVERPA ARMIGERA (HUBNER)	1
Ajeet Kaur	Contre of Excellence on Forest based Livelihood Uttarakhand State Council for Science and Technology (UCOST) Vigyan Dham Jhajra-248007 Dehradun	Environmental Science & Forestry	3	MARKET SURVEY AND TRADE ECONOMICS OF LICHEN (JHULA GHAS) IN UTTARAKHAND	218
Akanksha Kumain	Farm Machinery and Power Engineering College of Technology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Rural Technology	1	DEVELOPMENT OF PINE NEEDLES COLLECTION, BALING AND BRIQUETTING TECHNIQUES FOR HILLS OF UTTARAKHAND	421
Akanksha Ruhela	Department of Entomology College of Agriculture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	2	APICULTURE-A BUZZWORD FOR TODAYS' HILL AGRICULTURE	23
Alok Sagar Gautam	Department of Physics H.N.B Garhwal University Birla Campus Srinagar Pauri	Physics	2	CLOUD CONDENSATION NUCLEI (CCN) ACTIVITY MEASUREMENT AT HIMALAYAN CLOUD OBSERVATORY (HCO) SRT CAMPUS BADSHAHITHAUL, TEHRI GARHWAL IN UTTARAKHAND: PRELIMINARY RESULTS	407
Amit Badola	Cancer Research Institute Swami Rama Himalayan University Jollygrant Doiwala Dehradun-248140	Medical Science including Pharmaceutical Science	1	THE LUNG CANCER PATIENT AT THE RADIO THERAPY DEPARTMENT: A TEN- YEAR RETROSPECTIVE STUDY	282
Amit Kumar	Forest Ecology and Climate Change Division Forest Research Institute PO- New Forest Dehradun	Environmental Science & Forestry	1	MICROCLIMATIC CONDITIONS AND PLANT FUNCTIONAL TRAITS FOR CARBON STORAGE UNDER AGROFORESTRY TREE SPECIES	200



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Amit Kumar	Division of Virology ICAR-Indian Veterinary Research Institute Mukteswar Nainital	Veterinary Sciences & Animal Husbandry	2	EXPRESSION OPTIMIZATION AND IMMUNOGENICITY OF RECOMBINANT PROTEINS OF GOATPOX VIRUS IN LABORATORY ANIMALS	445
Anand Singh Rawat	Department of Horticulture College of Agriculture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	INFLUENCE OF GAMMA RADIATION (60CO) IN GLADIOLUS CV. CANDYMAN	2
Anchal Lodhi	Department of Zoology D.S.B. Campus Kumaun University Nainital (UK)	Biotechnology, Biochemistry & Microbiology	1	SYNTHESIS OF ZINC OXIDE NANOPARTICLE AND THEIR DIFFERENT PROPERTIES	56
Anchal Tyagi	Gyani Inder Singh Institute of Professional Studies Mussoorie Diversion Road Opp. Malsi Deer Park Dehradun (UK)	Medical Science including Pharmaceutical Science	1	FORMULATION AND EVALUATION OF SOLID DISPERSION OF ANTIFUNGAL DRUG LULICONAZOLE	283
Anil Kumar Shah	Department of Pharmaceutical Sciences Shri Guru Ram Rai Institute of Technology & Science Patel Nagar Dehradun	Medical Science including Pharmaceutical Science	1	ANTIMICROBIAL UTILIZATION ON URINARY TRACT INFECTION IN TERTIARY CARE TEACHING HOSPITAL	284
Anita Rana	Department of Chemistry D.S.B. Campus Kumaun University Nainital (UK)	Chemistry	1	IN VITRO ANTIFUNGAL ACTIVITY OF ESSENTIAL OILS OF ROYLEA CALYCINA AGAINST SOME PHYTOPATHOGENIC FUNGI	139
Anita Sati	Department of Home Science H.N.B. Garhwal (A Central University) Srinagar Pauri	Home Science	3	AN EVALUATION OF CO- COGNITIVE ASPECTS OF LEARNING OF STUDENTS: A STUDY OF PRIMARY SCHOOLS OF UTTARAKHAND	255
Anju Nigam	Department of Physics H.N.B. Garhwal Central University Srinagar Pauri	Material Science & Nano Technology	1	SYNTHESIS OF FE, A G NANOPARTICLES AND NANOCOMPOSITES VIA LEAVES EXTRACT OF URTICA DIOICA	266
Ankit Dongariyal	Department of Horticulture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	RESPONSE OF DIFFERENT COATING MATERIALS ON POST HARVEST STORAGE LIFE AND QUALITY OF GUAVA (PSIDIUM GUAJAVA L.)	3
Ankita H. Tripathi	Department of Biotechnology Bhimtal Campus Bhimtal Kumaun University Nainital	Medical Science including Pharmaceutical Science	1	ELUCIDATION OF THE ANTIOXIDANT AND ANTIBACTERIAL POTENTIAL OF CICHORIUM INTYBUS FOUND IN KUMAUN REGIONS OF UTTARAKHAND	285
Ankita Lohumi	Division of Virology ICAR-Indian Veterinary Research Institute Mukteswar Nainital	Veterinary Sciences & Animal Husbandry	1	EXPRESSION OF BLUETONGUE VIRUS NON-STRUCTURAL PROTEIN 4 USING PROKARYOTIC EXPRESSION SYSTEM AND EVALUATION OF THE IMMUNOREACTIVITY OF THE PURIFIED RECOMBINANT ANTIGEN	442
Ankita Rajpoot	Zoological Survey of India NRC Kaulagarh Road Dehradun	Biotechnology, Biochemistry & Microbiology	2	MOLECULAR DATING AND EVOLUTION OF FOUR EXTANT SPECIES OF MONITOR LIZARDS IN INDIA	68
Ankur Kumar	Department of Physics Gurukul Kangri Vishwavidyalaya Haridwar	Physics	2	INVESTIGATION OF ATTACHMENT RATE OF RADIOACTIVE AEROSOLS WITH THE OTHER ATMOSPHERIC AEROSOLS	408
Anshul Kala	Department of Biochemistry Shri Guru Ram Rai Institute of Medical & Health Sciences Patel Nagar Dehradun	Medical Science including Pharmaceutical Science	2	ASSESSMENT OF REACTIVE OXIDATIVE STRESS IN MALE SPERMS WITH UNEXPLAINED INFERTILITY	310
Anu Sayal	Department of Mathematics Uttarakhand Technical University Sudhewala Dehradun	Mathematics; Statistics & Computer Science	2	OPTIMIZATION OF INVENTORY MODEL IN CRISP AND FUZZY ENVIRONMENT FOR WEIBULL DETERIORATING ITEMS UNDER INFLATIONARY CONDITION	279
Anuj Kumar Dwivedi	Department of Civil Engineering Indian Institute of Technology Roorkee Haridwar	Engineering Science and Technology	2	CROP YIELD ESTIMATION USING REMOTE SENSING	194



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Archana Joshi	Department of Chemistry College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Chemistry	1	CHEMICAL COMPOSITION AND ANTIOXIDANT ACTIVITY OF LEAF ESSENTIAL OIL OF LITSEA GLUTINOSA (LOUR.) C. B. ROB. FROM NORTH INDIA	140
Archana Kuniyal	Department of Botany Balganga Degree College Sendul-Kemar Ghansali Tehri	Botany	2	PHYSICO-CHEMICAL CONSTITUENTS OF APIS CERANA - INDICA F. HONEY FROM UTTARKASHI DISTRICT OF UTTARAKHAND, INDIA	120
Arun Kumar Jugran	G.B. Pant National Institute of Himalayan Environment and Sustainable Development Garhwal Regional Centre Srinagar-246174 Pauri	Biotechnology, Biochemistry & Microbiology	2	BIOCHEMICAL POTENTIAL OF ROSCOEA ALPINA IN UTTARAKHAND	69
Arun Pratap Singh Rathod	Department of Electronics and Communication Engineering Graphic Era University 566/6, Bell Road, Clement Town Dehradun	Engineering Science and Technology	1	INNOVATIVE ORGANIC THIN FILM MULTIPLEXER FOR MANUFACTURING AFFORDABLE DIGITAL DEVICES FOR DIGITAL INDIA	184
Ashish Tomer	Department of Physics Gurukul Kangri Vishwavidyalaya Haridwar	Physics	1	ANALYSIS OF RADON VARIATION IN SOIL AND WATER FOR EARTHQUAKE PRECURSOR	400
Ashutosh Paliwal	Department of Biotechnology Bhimtal Campus Bhimtal Kumaun University Nainital	Medical Science including Pharmaceutical Science	1	ELUCIDATION OF PHYTOMEDICINAL AND ANTIMICROBIAL POTENTIALS OF METHANOL EXTRACTS OF CISSAMPELOS PARIERA AND CUSCUTA REFLEXA	286
Atul Kumar Agarwal	CSIR-Central Building Research Institute Roorkee Haridwar	Science & Society/ Science Communication	3	INTERLINKING SCIENCE & SOCIETY : DEVELOPING SCIENTIFIC TEMPER IN YOUTH	433
Avinash Kumar	Department of Environmental Sciences Gurukul Kangri Vishwavidyalaya Haridwar	Environmental Science & Forestry	1	WATER QUALITY STATUS OF RIVER GANGA IN UTTARAKHAND BY USING POLLUTION INDEX AND ENVIRONMETRICS	201
Beena Pathak	Department of Food Science and Technology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	RECIPE STANDARDIZATION FOR THE PREPARATION OF HONEY MALTA (CITRUS SINENSIS L. OSBECK) READY-TO-SERVE (RTS) BEVERAGE	4
Beenu Singh	College of Home Science G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Home Science	1	OPTIMIZATION OF PRINTING PROCESS FOR SILK WITH NATURAL DYE: AN SUSTAINABLE APPROACH	251
Bharat Kumar	Department of Geography D.S.B. Campus Kumaun University Nainital	Earth Sciences including Geology, Geomorphology, Geophysics, Glaciology and Geography	1	tuin cks"oj esa c<+rh tula[;k ,oa d`f'k Hkwfe dk fodkl ij,d v;/;u	177
Bharti Paliwal	Department of Pharmaceutics School of Pharmaceutical Sciences and Technology Sardar Bhagwan Singh University Balawala Dehradun	Medical Science including Pharmaceutical Science	1	FORMULATION DEVELOPMENT OF ALCOHOL RESISTANT EXTENDED RELEASE TABLETS OF METOPROLO SUCCINATE	287
Bhavana Singh	Faculty of Pharmacy DIT University Mussoorie Diversion Road Makkawala P.O Bhagwantpur Dehradun	Medical Science including Pharmaceutical Science	1	DEVELOPMENT AND EVALUATION OF NANOSIZED LOADED OLANZAPINE FOR THE MANAGEMENT OF PSYCHOSIS	288
Bhawana Bhatt	Department of Vegetable Science College of Agriculture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	ESTIMATION OF NUTRIENT AND ASH CONTENT IN DIFFERENT GENOTYPES OF FENUGREEK LEAVES UNDER TARAI CONDITIONS OF UTTARAKHAND	5



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Bipin Kumar Sati	Department of Biotechnology Graphic Era University 566/6, Bell Road, Clement Town Dehradun	Zoology	2	FRAGMENTATION OF GARHWAL HIMALAYAN REVERINE SYSTEM: GENETIC IMPACT ON NATIVE NON MIGRATION FISH SPECIES MASTACEMBELUS ARMATUS	463
Brijesh Prasad	Mechanical Engineering Department Graphic Era (Deemed to be University) 566/6, Bell Road, Clement Town Dehradun	Material Science & Nano Technology	2	SYNTHESIS OF CONDUCTIVE NANOCOMPOSITE FOR TRANSDUCER APPLICATION	269
Chaple Ashwini Ramesh Rao	Division of Virology ICAR-Indian Veterinary Research Institute Mukteswar Nainital	Veterinary Sciences & Animal Husbandry	1	GENETIC CHARACTERIZATION OF VACCINE AND FIELD ISOLATES OF CAPRIPOXVIRUSES	443
D.S. Rawat	Department of Biological Sciences College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Botany	3	TAXONOMIC PATTERNS OF TAXA RICHNESS ALONG ELEVATION GRADIENT IN UTTARAKHAND	125
Debarati Datta	Department of Agronomy G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	EFFECT OF MOISTURE CONSERVATION PRACTICES IN RELATION TO IRRIGATION SCHEDULING IN SWEET CORN	6
Deep Chandra Suyal	Department of Microbiology College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Biotechnology, Biochemistry & Microbiology	2	QUANTITATIVE PROTEOME ANALYSIS OF PSYCHROPHILIC DIAZOTROPH PSEUDOMONAS PALLERONIANA N26 UNDER LOW TEMPERATURE AND NITROGEN DEFICIENT CONDITIONS	70
Deepa Bisht	Wood Anatomy Discipline Forest Botany division Forest Research Institute PO- New Forest Dehradun	Botany	1	HYDRAULIC ARCHITECTURE OF ENDEMIC TREES OF WESTERN HIMALAYAS	109
Deepa Bisht	G.B. Pant National Institute of Himalayan Environment and Sustainable Development Kosi-Katarmal Almora	Environmental Science & Forestry	1	ASSESSING FOREST GOVERNANCE EFFECTIVENESS OF VAN PANCHAYATS: STRATEGY FOR SUSTAINABLE FOREST MANAGEMENT	202
Deepak Sharma	Chemistry and Bioprospecting Division Forest Research Institute PO- New Forest Dehradun	Chemistry	1	UTILISATION OF CASSIA TORA LINN. SEEDS FOR INDUSTRIAL APPLICATIONS	141
Deepali Joshi	ICFAI Tech School ICFAI University Rajawala Rd Selaqui Dehradun	Biotechnology, Biochemistry & Microbiology	2	EVALUATION OF THE EFFECT OF LONG TERM EXPOSURE IN THE HEALTH OF GASOLINE FILLING WORKERS IN DEHRADUN	71
Deepanshu Rana	Department of Botany and Microbiology Gurukula Kangri Vishwavidyalaya Haridwar	Biotechnology, Biochemistry & Microbiology	1	ENHANCEMENT OF ANTIMICROBIAL EFFICACY OF BACILLUS SPP. ISOLATED FROM COW DUNG BY USING THREE DIFFERENT CULTIVATION MEDIUM	57
Deepika Bisht	G.B. Pant National Institute of Himalayan Environment and Sustainable Development Kosi-Katarmal -263643 Almora	Rural Technology	1	VILLAGE INFORMATION SYSTEM: APPROACH TOWARDS E-CONNECTIVITY OF VILLAGES, INITIATIVE FOR VILLAGE DARIMKHOLA	422
Deepika Dangi	Chemistry and Bioprospecting Division Forest Research Institute PO- New Forest Dehradun	Chemistry	1	EPICHLOROHYDRIN MEDIATED CROSSLINKING OF GUAR GUM FOR INDUSTRIAL APPLICATIONS	142
Deepika Sharma	Faculty of Pharmacy DIT University Mussoorie Diversion Road Makkawala P.O Bhagwantpur Dehradun	Medical Science including Pharmaceutical Science	1	DEVELOPMENT AND CHARACTERIZATION OF POLYMERIC NANOMICELLES LOADED WITH DPP-4 INHIBITOR FOR TREATMENT OF NEURODEGENERATIVE DISORDER	289
Devender Sharma	ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan Almora -263601	Agricultural Sciences	1	IDENTIFICATION OF NOVEL QTLs AND GENETIC STUDIES FOR TERMINAL HEAT TOLERANCE IN BREAD WHEAT (TRITICUM AESTIVUM L. EM. THELL)	7



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Devendra Singh Bisht	Department of Zoology D.S.B. Campus Kumaun University Nainital (UK)	Zoology	1	ESTIMATION OF COLIFORM BACTERIA: A TOOL FOR ASSESSING WATER QUALITY OF DIFFERENT FRESHWATER SPRINGS AND PIPED WATER SOURCES IN NAINITAL CITY, UTTARAKHAND	453
Devvret Verma	Department of Biotechnology Graphic Era Deemed to be University 566/6 Bell Road Clement Town Dehradun	Biotechnology, Biochemistry & Microbiology	1	MEDICINAL PLANT OF UTTARAKHAND AND THEIR IMPACT ON TUBERCULOSIS: AN IN-SILICO APPROACH	58
Dheeraj Bisht	Department of Pharmaceutical Sciences Bhimtal Campus Bhimtal Kumaun University Nainital	Innovator	4	TRILOOP: AN INNOVATIVE TOOL FOR INOCULATION OF MICROBES IN EFFICIENT MANNER AND TIME SAVING	260
Diksha Gautam	Department of Family Resource Management College of Home Science G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Science & Society/ Science Communication	1	ASSESSMENT OF PSYCHOLOGICAL PROBLEMS PREVALENT AMONG YOUNG ADULTS DUE TO SMARTPHONE OVERUSE	428
Dushyant Gangwar	Department of Chemistry Gurukul Kangri Vishwavidyalaya Haridwar	Chemistry	2	ELECTROCHEMICAL BEHAVIOR OF ANTIPYRINE (AP) IN BUFFER SOLUTION	149
Faheem Ahamad	Limnology and Ecological Modelling Lab. Department of Zoology & Environmental Sciences Gurukul Kangri Vishwavidyalaya Haridwar	Environmental Science & Forestry	1	EFFICIENCY OF AZADIRACHTA SP. IN COMBINATION WITH SAND AND GRAVEL FOR WASTE WATER TREATMENT	203
Farman Ahamad	Gyani Inder Singh Institute of Professional Studies Mussoorie Diversion Road Opp. Malsi Deer Park Dehradun (UK)	Medical Science including Pharmaceutical Science	1	FORMULATION AND EVALUATION OF LEVOCLOPERASTINE FENDIZOATE ORAL SUSPENSION	290
Fasuil Farooq	Department of Zoology D.S.B. Campus Kumaun University Nainital (UK)	Zoology	1	ASSESSMENT OF MAJOR APPLE PEST AND ITS IMPACT ON THE PRODUCTIVITY OF APPLE CROPS IN KUMAUN HILLS, UTTARAKHAND, INDIA	454
Gayatri	Department of Agricultural Communication College of Agriculture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Mathematics; Statistics & Computer Science	1	INFORMATION SEEKING AND PROCESSING BEHAVIOUR OF MEMBERS OF SELF HELP GROUPS: A STUDY IN DISTRICT UDHAM SINGH NAGAR	277
Gayitri Joshi	Devasthali Vidyapeeth College of Pharmacy Lalpur Rudrapur US Nagar	Medical Science including Pharmaceutical Science	1	FORMULATION AND EVALUATION OF HERBOSOMES OF HERBAL EXTRACT FOR ANTIDEPRESSANT ACTIVITY	291
Gulzar Ahmad Bhat	Department of Zoology DAV (PG) College Dehradun	Zoology	2	WATER QUALITY EVALUATION OF ASAN WETLAND BY USING TAXA RICHNESS, BMWP, ASPT, FBI, AND %DF	464
Gunjan Mishra	Department of Biochemistry Shri Guru Ram Rai Institute of Medical & Health Sciences Patel Nagar Dehradun	Medical Science including Pharmaceutical Science	1	ASSESSMENT OF VITAMIN D3, HS CRP, HS TROP I AND ITS ASSOCIATION WITH MYOCARDIAL INFARCTION	292
Hem Chandra Pant	Shri Guru Ram Rai University Patel Nagar Dehradun	Biotechnology, Biochemistry & Microbiology	2	OPTIMIZATION OF STERILIZATION CONDITIONS FOR IMPROVED IN VITRO PROPAGATION OF ROSE CULTIVARS	72
Hema	Department of Biotechnology M.B. Govt. (PG) College Haldwani Nainital	Physics	1	ULTRASONIC STUDY OF MOLECULAR INTERACTION IN BINARY MIXTURE OF ETHANOL AND PROPYLENE GLYCOL	401
Himani Bisht	Department of Geography D.S.B. Campus Kumaun University Nainital (UK)	Earth Sciences including Geology, Geomorphology, Geophysics, Glaciology and Geography	2	REMOTE SENSING AND GIS TO ANALYSE DRAINAGE SYSTEM IN FLOOD OCCURRENCE OF RISPANA RIVER, DEHRADUN	181



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Himani Singh	Department of Biotechnology Modern Institute of Technology Dhalwala Rishikesh Dehradun	Biotechnology, Biochemistry & Microbiology	2	NUTRACEUTICALS POTENTIALS OF VIBURNUM MULLAHA D.DON FRUIT (INDIAN CRANBERRY).	73
Himani Tiwari	Department of Physics M.B. Govt. (PG) College Haldwani Nainital	Physics	1	A COMPARATIVE STUDY OF NON-RADIATIVE ENERGY TRANSFER TAKING Ho3+ AS AN ACCEPTOR IN ZINC PHOSPHATE GLASS	402
Himanshu Makholiya	Department of Pharmaceutics School of Pharmaceutical Sciences and Technology Sardar Bhagwan Singh University Balawala Dehradun	Medical Science including Pharmaceutical Science	1	FORMULATION AND EVALUATION OF SILVER NANO PARTICLES CONTAINING LULICONAZOL	293
Ishita Gupta	Department of Biochemistry Shri Guru Ram Rai Institute of Medical & Health Sciences Patel Nagar Dehradun	Medical Science including Pharmaceutical Science	1	MOLECULAR CHARACTERIZATION OF MYCOBACTERIUM TUBERCULOSIS USING NESTED PCR IN THE PATIENTS OF TUBERCULAR MENINGITIS	294
Ishwar Prakash Sharma	Patanjali Research Institute Haridwar-249405	Botany	2	SOLANUM DIPHYLUM L.: A NEW RECORD FOR THE FLORA OF UTTARAKHAND AND CENTRAL- WESTERN HIMALAYA, INDIA	121
Janhvi Mishra Rawat	Systematic Botany Discipline Botany Division Forest Research Institute PO- New Forest Dehradun	Botany	2	GENETIC STABILITY AND PHYTOCHEMICAL PROFILING OF THE IN VITRO REGENERATED PLANTS OF ANGELICA GLAUCA EDGEW.: AN ENDANGERED MEDICINAL PLANT OF HIMALAYA	122
Jyoti Raina	Department of Entomology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	USE OF STICKY TRAPS AND PLANT GROWTH REGULATORS FOR THE EFFECTIVE MANAGEMENT OF MANGO SHOOT GALL PSYLLA, APSYLLA CISTELLATA BUCKTON	8
Jyoti Singh Katariya	Civil Engineering (Hydraulics Engineering) College of Technology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Engineering Science and Technology	1	WATER QUALITY ASSESSMENT OF SHARDA RIVER BASIN USING THE WATER EVALUATION AND PLANNING (WEAP) SYSTEM	185
Jyoti Upadhyay	Department of Pharmaceutical Sciences Bhimtal Campus Bhimtal Kumaun University Nainital	Medical Science including Pharmaceutical Science	2	STUDY OF BIOMARKER RESPONSES (SERUM BIOCHEMISTRY) IN PREGNANT FEMALE WISTAR RATS AND MORPHOLOGICAL PARAMETERS OF THEIR NEONATES EXPOSED PRENATALLY TO FUNGICIDE, CARBENDAZIM	311
K.M. Rai	ICAR-National Bureau of Plant Genetic Resources Regional Station Bhowali-263132 Nainital	Agricultural Sciences	2	DISTRIBUTION OF FARAN (ALLIUM STRACHEYI) IN HIGH ALTITUDE AREA OF NITI VALLEY	24
Kamlesh Kukreti	Graphic Era (Deemed to be University) 566/6, Bell Road, Clement Town Dehradun	Engineering Science and Technology	1	PERFORMANCE ANALYSIS OF BIMORPHCANTELIVER BEAM USING PIEZOELECTRICS MATERIALS	186
Kanchan Joshi	Department of Botany Surajmal Agarwal Pvt. Kanya Mahavidyalaya Kishanpur Kichha U.S. Nagar	Botany	2	ANTIOXIDANT POTENTIAL AND GC- MS PROFILING OF CENTELLA ASIATICA (L.) URBAN	123
Kanchan Karki	Uttarakhand Council for Biotechnology Biotech Bhawan Haldi U.S. Nagar	Material Science & Nano Technology	2	A COMPARATIVE STUDY BETWEEN NOVEL GRAPHENE BASED NANOSIEVE PLATFORM AND ELISA IMMUNOASSAY FOR SENSITIVE DETECTION OF PROSTATE SPECIFIC ANTIGEN (PSA)	270
Kanchan Singh	Gyani Inder Singh Institute of Professional Studies Mussoorie Diversion Road Opp. Malsi Deer Park Dehradun (UK)	Medical Science including Pharmaceutical Science	1	DESIGN AND EVALUATION OF GASTRORETENTIVE DOSAGE FORM OF CIPROFLOXACIN HYDROCHLORIDE WITH LOW DENSITY POLYMER	295



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Kavita Gururani	Department of Molecular Biology and Genetic Engineering College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Biotechnology, Biochemistry & Microbiology	1	INFLUENCE OF DIFFERENT NITROGEN INPUTS ON AGRO-MORPHO - PHYSIOLOGICAL PARAMETERS AND SEED PROTEIN QUALITY OF TWO FINGER MILLET GENOTYPES DIFFERING IN THEIR GRAIN PROTEIN CONTENT	59
Khushi Ram	Department of Zoology and Environmental Science Gurukula Kangri Vishwavidyalaya Haridwar	Environmental Science & Forestry	1	COMPARATIVE STUDY OF GROUND WATER QUALITY OF THREE DIFFERENT SOURCES IN LAKSAR BLOCK HARIDWAR UTTARAKHAND	204
Kirti Singh	Faculty of Pharmacy DIT University Mussoorie Diversion Road Makkawala P.O Bhagwantpur Dehradun	Medical Science including Pharmaceutical Science	1	DELIVERY OF NANOSIZED ROSUVASTATIN THROUGH AN IMPRESSIVE NOVELISTIC TRANS-NABHI PLATFORM	296
Krishan Kant	Gyani Inder Singh Institute of Professional Studies Mussoorie Diversion Road Opp. Malsi Deer Park Dehradun (UK)	Medical Science including Pharmaceutical Science	1	TO FORMULATE AND EVALUATE GUAR GUM BASED TABLET OF OFLOXACIN	297
Kritika Bora	Department of Geography D.S.B. Campus Kumaun University Nainital (UK)	Earth Sciences including Geology, Geomorphology, Geophysics, Glaciology and Geography	1	SEISMIC VULNERABILITY ANALYSIS OF CRITICAL INFRASTRUCTURE AND COMMERCIAL BUILT-UPS ALONG THE NATIONAL HIGHWAY 87 IN HALDWANI, UTTARAKHAND, INDIA	178
Kuldeep Panwar	Department of Physics Pt. L.M.S. Govt. (PG) College Rishikesh Dehradun	Physics	1	STUDIES ON DEVELOPMENT OF STRUCTURAL MODEL OF AB5-TYPE MULTI-ELEMENT HYDROGEN STORAGE ALLOY	403
Lalit Mohan Joshi	Department of Pharmaceutical Sciences Bhimtal Campus Bhimtal Kumaun University Nainital	Medical Science including Pharmaceutical Science	1	FRUIT WASTE (PEEL) OR HERBAL GARBAGE AS BIO-REDUCTANT TO SYNTHESIZE SILVER NANOPARTICLES WITH ANTIMICROBIAL ACTIVITY	298
M.S. Sai Reddy	Department of Entomology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	STUDIES ON DISTRIBUTION AND PHYLO-GENETIC DIVERGENCE OF HELICOVERPA ARMIGERA (LEPIDOPTERA: NOCTUIDAE) POPULATION OF UTTARAKHAND	9
Madhu Thapliyal	Department of Zoology Government (PG) College Raipur Dehradun	Zoology	3	THE DILEMMA OF BIODIVERSITY CONSERVATION - CONFLICTS OF POLICIES AND FACTS	466
Mahendra Singh Rana	Govt. Inter College Silogi Dwarikhal-246173 Pauri	Science & Society/ Science Communication	3	उचित जल प्रबंधन न होने से उत्तराखंड में जल की हानि	434
Manish Dev Sharma	College of Basic and Applied Sciences Shri Guru Ram Rai University Patel Nagra Dehradun	Agricultural Sciences	2	DEVELOPMENT OF NEW MICROSATELLITE MARKERS AND ASSESSMENT OF GENETIC DIVERSITY IN SUGARCANE GENOTYPES	25
Manish Uniyal	Department of Physics H.N.B. Garhwal University Srinagar Pauri	Material Science & Nano Technology	3	STUDY OF SODIUM POTASSIUM NIOBATE MIXED SYSTEM	272
Manisha Bhandari	Department of Botany I.P.G.G. (PG) College of Commerce Haldwani Kumaun University, (Nainital)	Botany	1	BRYODIVERSITY OF GHORAKHAL AND ITS SURROUNDING	110
Manisha Pimoli	Centre for Socioeconomic development G.B. Pant National Institute of Himalayan Environment and Sustainable Development Garhwal Regional Centre Srinagar-246174 Pauri	Rural Technology	1	INTEGRATED APPROACH TOWARDS LIVELIHOOD ENHANCEMENT OF FARMER COMMUNITIES IN THE CENTRAL HIMALAYAN REGION	423
Manmohan Singh Kanwal	Department of Forestry Kumaun University S.S.J campus Almora	Environmental Science & Forestry	1	AGROFORESTRY POTENTIAL IN BIOMASS PRODUCTION AND RESOURCES UTILIZATION IN KOSI WATERSHED OF KUMAUN HIMALAYA	205



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Manoj Kumar Riyal	College of Forestry VCSG Uttarakhand University of Horticulture and Forestry Ranichauri Tehri Department of Civil Engg.	Physics	2	ENTROPY ANALYSIS OF GARHWALI SPEECH DATABASE	409
Mayank Raturi	College of Technology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Engineering Science and Technology	1	WATER QUALITY MODELLING OF LAKE BANK FILTRATION OF NAINITAL LAKE USING MODFLOW	187
Mayank Singhal	Central Molecular Research Laboratory Department of Biochemistry Shri Guru Ram Rai Institute of Medical & Health Sciences Patel Nagar Dehradun	Biotechnology, Biochemistry & Microbiology	1	MOLECULAR PROFILING OF HEPATITIS B VIRUS DNA QUANTIFICATION AND ITS GENOTYPE DISTRIBUTION WITH RESPECT TO VIRAL LOAD	60
Meenakshi Ramola	Department of Civil Engg. College of Technology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Engineering Science and Technology	1	DAM BREACH ANALYSIS OF SHARDA BARRAGE USING HEC-RAS	188
Mohd Bilal	Gyani Inder Singh Institute of Professional Studies Mussoorie Diversion Road Opp. Malsi Deer Park Dehradun (UK)	Medical Science including Pharmaceutical Science	1	FORMULATION AND EVALUATION OF SUSTAINED RELEASE TABLET OF GLIPIZIDE	299
Mohd. Tazim Khan	Gyani Inder Singh Institute of Professional Studies Mussoorie Diversion Road Opp. Malsi Deer Park Dehradun (UK)	Medical Science including Pharmaceutical Science	1	FORMULATION AND EVALUATION OF PARACETAMOL LOADED GELATIN HYDROGEL	300
Monika Gairola	Faculty of Technology Uttarakhand Technical University Sudhowala Dehradun	Engineering Science and Technology	1	SOLAR AUTOMATIC WATER PUMPING SYSTEM FOR IRRIGATION PURPOSE IN UPPER HILLY REGION IN UTTARAKHAND	189
Monika	Department of Biological Sciences College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Botany	1	EFFECT OF ORGANIC MANURES ON GROWTH AND YIELD OF ARTEMISIA ANNUA CV CIM AROGYA	111
Mukesh Chandra Verma	Uttarakhand Electricity Regulatory Commission Niyamak Bhawan Near ISBT Dehradun-248171	Innovator	4	DAY-AHEAD LOAD FORECASTING FOR UTTARAKHAND USING ARTIFICIAL NEURAL NETWORKS	261
Muzamil Bashir	Division of Virology ICAR-Indian Veterinary Research Institute Mukteswar Nainital	Veterinary Sciences & Animal Husbandry	1	COMPARATIVE DIAGNOSTIC POTENTIAL OF RECOMBINANT ANTIGEN BASED INDIGENOUS BLOCKING ELISA KIT AND COMMERCIALY AVAILABLE COMPETITIVE ELISA KIT FOR DETECTION OF GROUP SPECIFIC ANTIBODIES TO BLUETONGUE VIRUS	444
Namrata Deyal	Department of Physics S.S.J. Campus Kumaun University Almora	Physics	2	STUDY ON VARIABILITY AND TREND OF TOTAL COLUMN OZONE OVER UTTARAKHAND	410
Narendra Singh Bisht	Department of Chemistry D.S.B. Campus Kumaun University Nainital (UK)	Chemistry	1	SYNTHESIS OF NOVEL MULTI-METALLIC (MONO-, BI-, TRI-) DOPED BISMUTH OXYBROMIDE AND THEIR HIGHLY SELECTIVE PHOTOCATALYTIC OXIDATION OF ALCOHOLS WITH THEIR REUSABILITY	143
Narotam Sharma	Central Molecular Research Laboratory Department of Biochemistry Shri Guru Ram Rai Institute of Medical & Health Sciences Patel Nagar Dehradun	Medical Science including Pharmaceutical Science	2	USAGE OF INTERNAL CONTROLS TARGETING HOUSEKEEPING GENES FOR THE VALIDATION AND ASSESSMENT OF MOLECULAR DIAGNOSTICS BASED PCR PROTOCOLS FOR INFECTIOUS & AUTOIMMUNE DISEASES	312



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Naveen Chandra	Uttarakhand Space Application Centre 93, Phase-2 Vasant Vihar Dehradun	Botany	1	SPATIAL DISTRIBUTION, AVAILABILITY AND THREATS ON RARE, ENDANGERED AND THREATENED (RETS) MEDICINAL AND AROMATIC PLANTS OF ALPINE REGION OF UTTARAKHAND	112
Neelam Sajwan	Uttarakhand Ayurved University Harawala Dehradun	Medical Science including Pharmaceutical Science	2	GUDA MARMA: A SADHYA PRANHAR MARMA	313
Neelanjana Rajput	Department of Mathematics D.B.S. (PG) College Dehradun	Mathematics; Statistics & Computer Science	1	OPTIMIZE THE COST OF A FUZZY INVENTORY MODEL WITH SHORTAGE USING SIGNED DISTANCE METHOD	278
Neelaxi Pandey	Department of Zoology D.S.B. Campus Kumaun University Nainital (UK)	Zoology	1	NUTRITIONAL EVALUATION, ANTIMICROBIAL ACTIVITY AND FREE-RADICAL SCAVENGING SCREENING OF WILD EDIBLE FRUITS	455
Neetu Dobhal	Department of Foods and Nutrition College of Home Science G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Home Science	2	IMPACT OF BLACK SOYBEAN FLOUR INTERVENTION IN AMELIORATING MENOPAUSAL SYMPTOMS AND LIPID PROFILE OF HYPERTENSIVE POSTMENOPAUSAL WOMEN	254
Neha Arya	Department of Family Resource Management College of Home Science G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Home Science	1	TO ASSESS THE ERGONOMIC HAZARDS AND RELATED MUSCULOSKELETAL DISCOMFORT AMONG BANK EMPLOYEES	252
Neha Bhatt	Department of Chemistry Kanya Gurukula Mahavidyalaya Gurukula Kangri Vishwavidyalaya Haridwar	Chemistry	1	REMOVAL OF AMINOPHENOLS FROM WATER SAMPLES BY DEVELOPING A NEW COST -EFFECTIVE METHOD	144
Neha Bhatt	Department of Chemistry Graphic Era University 566/6, Bell Road, Clement Town Dehradun	Material Science & Nano Technology	1	REDUCTION IN ANTIMICROBIAL ACTIVITY, BY DEVELOPMENT OF NANOSTRUCTURED, SUPERHYDROPHOBIC COATINGS	267
Neha Bisht	Department of Microbiology College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Biotechnology, Biochemistry & Microbiology	1	UTILIZATION OF LOW QUALITY PEAR (PYRUS COMMUNIS) FRUIT OF UTTARAKHAND FOR BIOETHANOL PRODUCTION USING NATIVE AND MUTANT OSMO- TOLERANT ETHANOGENIC YEAST STRAINS	61
Neha Karki	D.S.B. Campus Kumaun University Nainital (UK)	Material Science & Nano Technology	1	MULTIWALLED CARBON NANOTUBES AS A NANOCARRIER FOR DRUG LOADING AND DELIVERY APPLICATIONS	268
Neha Padiyar	G.R.D. (PG) Institute of Management and Technology 214 Rajpur Road Dehradun	Medical Science including Pharmaceutical Science	1	A REPORT ON INCREASED RISK OF LIFESTYLE DISORDER DURING LAST 5 YEARS AND THEIR COMMONLY USED PRESCRIBED DRUGS	301
Neha Pareek	Department of Agrometeorology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	ANALYZING WATER REQUIREMENT OF WHEAT (TRITICUM AESTIVUM L.) USING AQUACROP MODEL IN TARAI REGION OF UTTARAKHAND	10
Neha Rajwar	Department of Zoology D.S.B. Campus Kumaun University Nainital (UK)	Zoology	1	IDENTIFICATION AND CHARACTERIZATION OF CELLULOLYTIC BACTERIA FROM THE GUT LOAD OF EARTHWORM OCTOLASION CYANEUM (LUMBRICIDAE)	456
Neha	Department of Soil Science College of Agriculture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	COMPARATIVE PERFORMANCE OF RHIZOBIAL ISOLATES FROM DIVERSE SOILS OF UTTARAKHAND ON URDBEAN (VIGNA MUNGO L.) YIELD AND SOIL HEALTH	11
Nidhi Bhatt	Department of Genetics and Plant Breeding G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	VALIDATION OF YELLOW AND BROWN RUST RESISTANCE THROUGH MOLECULAR MARKERS IN WHEAT (TRITICUM AESTIVUM)	12



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Nidhi Gupta	Forest Pathology Discipline Forest Protection Division Forest Research Institute PO- New Forest Dehradun	Biotechnology, Biochemistry & Microbiology	2	EUCALYPTUS SEED GERMINATION AND SEEDLING GROWTH ENHANCEMENT BY TRICHODERMA SPP. APPLICATION	74
Nirmala Bhatt	Krishi Vigyan Kendra (GBPUA&T Pantnagar) Gaina Pithoragarh	Science & Society/ Science Communication	3	SUPPLEMENTATION OF MUSHROOM IN MID-DAY MEAL OF THE SCHOOL CHILDREN BY TRAINING TO TEACHERS ON MUSHROOM CULTIVATION TECHNOLOGY	435
Nishat Anjum	Chemistry Division Forest Research Institute PO- New Forest Dehradun	Chemistry	2	ASSESSMENT OF TOTAL PHENOLICS CONTENTS, TOTAL FLAVONOID CONSTITUENTS AND FREE RADICALS SCAVENGING ACTIVITY IN MYRICA ESCULENTA L. BERRIES	150
Nishith Govil	Department of Anesthesiology All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK)	Medical Science including Pharmaceutical Science	2	ROLE OF A MULTIMODAL, INTERDISCIPLINARY, PATIENT CENTRED AND PRAGMATIC MODEL TO PROVIDE ENHANCED OPTIMAL PERIOPERATIVE CARE FOR PATIENTS UNDERGOING HEAD AND NECK CANCER SURGERY	314
Nitin Kumar	Department of Computer Science and Engineering National Institute of Technology Srinagar Pauri-246174	Engineering Science and Technology	2	WEBSITE AUTHENTICATION USING BIOMETRICS	195
Pallavi Bhatt	Department of Soil Science College of Agriculture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	RESPONSE OF YELLOW MUSTARD (BRASSICA JUNCEA L.) TO VARYING WATER TABLE CONDITIONS IN SILTY CLAY LOAM SOIL USING NON-WEIGHING LYSIMETERS	13
Pankaj Kumar	Department of Zoology and Environmental Science Gurukula Kangri Vishwavidyalaya Haridwar	Environmental Science & Forestry	1	ELECTRO-KINETIC MODELING OF BOD AND COD REMOVAL FROM SUGAR MILL EFFLUENT BY WATER HYACINTH (EICHORNIA CRASSIPES) IN A CONTINUOUS STIRRED TANK REACTOR (CSTR): OPTIMIZATION BY RESPONSE SURFACE METHODOLOGY	206
Pappu Kumar Chaurasiya	Gyani Inder Singh Institute of Professional Studies Mussoorie Diversion Road Opp. Malsi Deer Park Dehradun (UK)	Medical Science including Pharmaceutical Science	1	FORMULATION AND EVALUATION OF ACYCLOVIR TOPICAL GEL	302
Parul Singhal	Uttarakhand State Council for Science and Technology Dehradun	Environmental Science & Forestry	2	NATURAL DISASTERS IN UTTARAKHAND: A REVIEW	215
Parul	Department of Biological Sciences College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Botany	1	A NOVEL BIOCOLORANT WITH STABLE BIOLOGICAL PROPERTIES	113
Payal Snehi	Department of Pharmacy GRD (PG) Institute of Management and Technology Rajpur-248009 Dehradun	Medical Science including Pharmaceutical Science	1	MARKET SURVEY ON DONPRIZIL IN ALZHEIMER DISEASES AND ITS DIET SCHEDULE	303
Pooja Joshi	Forest Protection Division Forest Pathology Discipline Forest Research Institute PO- New Forest Dehradun	Environmental Science & Forestry	1	EFFECT OF LEAF BLIGHT DISEASE ON THE MAJOR OIL COMPONENTS OF JAVA CITRONELLA AND IN VITRO SCREENING OF TRICHODERMA ISOLATES FROM PATHOGEN	207
Pooja Kapoor	Forest Protection Division Forest Pathology Discipline Forest Research Institute PO- New Forest Dehradun	Environmental Science & Forestry	1	STUDIES ON LEAF SPOT DISEASE ON GMELINA ARBOREA	208
Prachi Gupta	Wood Anatomy Discipline Forest Research Institute PO- New Forest Dehradun	Botany	1	EFFECT OF ECOLOGICAL FACTORS ON THE MICROSTRUCTURE OF SECONDARY XYLEM OF OAKS	114



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Pragya Goswamy	Department of Agricultural Communication College of Agriculture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Science & Society/ Science Communication	1	DESIGNING AND TESTING OF NEED-BASED COMMUNITY RADIO PROGRAMME ON INTEGRATED PEST MANAGEMENT IN NAINITAL DISTRICT OF UTTARAKHAND	429
Pramod Kumar Chourasia	Forest Extension Forest Research Institute PO- New Forest Dehradun	Science & Society/ Science Communication	1	OPPORTUNITIES FOR BAMBOO ENTREPRENEURSHIP DEVELOPMENT AND LIVELIHOOD GENERATION IN UTTARAKHAND	430
Prashant Singh	Department of Chemistry DAV (PG) College Dehradun	Innovator	4	INDIGENOUS AND INNOVATIVE WATER TESTING KIT FOR DRINKING WATER SECURITY IN UTTARAKHAND	262
Pratik Deb	Garhwal Regional Science Centre G.B. Pant National Institute of Himalayan Environment and Sustainable Development Upper Bhaktiyana-246174 Srinagar Pauri	Earth Sciences including Geology, Geomorphology, Geophysics, Glaciology and Geography	1	ANALYSIS OF RECENT CHANGES IN LAND USE LAND COVER, RAINFALL AND TEMPERATURE TRENDS IN MID-HIMALAYAN WATERSHED	179
Pratyush Chandrayan	Department of General Medicine Himalayan Institute of Medical Sciences SRHU Swami Ram N agar-248140 Dehradun	Medical Science including Pharmaceutical Science	2	ACUTE ENCEPHALITIS SYNDROME: A HOSPITAL-BASED CROSS-SECTIONAL STUDY OF THE ETIOLOGY AND OUTCOMES FROM THE NORTH INDIAN STATE OF UTTARAKHAND	315
Praveen Joshi	Govt. (PG) College (Kumaun University Nainital) Dwarahat Almora	Botany	1	ELEMENTAL ANALYSIS OF MEDICINAL PLANT PAEONIA EMODI USED IN TRADITIONAL MEDICINE BY ATOMIC ABSORPTION SPECTROSCOPY	115
Preeti Sachan	Department of Environmental Science Kanya Gurukula Mahavidyalaya Gurukula Kangri Vishwavidyalaya Haridwar	Biotechnology, Biochemistry & Microbiology	2	ISOLATION AND CHARACTERIZATION OF TWO EFFICIENT PHENOL DEGRADING BACTERIA ISOLATED FROM PULP AND PAPER MILL EFFLUENT	75
Preeti Sharma	Department of Environmental Science College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Environmental Science & Forestry	1	APPLICATION OF ORTHOPHOSPHATE AND BIOCHAR FOR HYDROGEN PRODUCTION FROM ORGANIC FRACTION OF MUNICIPAL SOLID WASTE	209
Prithwiraj Dey	Department of Agronomy G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	STUDY OF WEED SEED BANK IN SOIL AND EFFECT OF WEED MANAGEMENT PRACTICES ON SEED BANK DYNAMICS IN SWEET CORN UNDER TARAI REGION OF UTTARAKHAND	14
Priya P.	Tissue Culture Discipline Genetics and Tree Propagation Division Forest Research Institute Dehradun	Biotechnology, Biochemistry & Microbiology	2	MASS MULTIPLICATION, GENETIC VARIABILITY ANALYSIS AND TOTAL PHENOLICS ESTIMATION OF NARDOSTACHYS JATAMANSI: A CRITICALLY ENDANGERED MEDICINAL PLANT OF WEST HIMALAYA	76
Priyanka Basu Baul	Department of Biochemistry Himalayan Institute of Medical Sciences SRHU Swami Ram Nagar-248140 Dehradun	Medical Science including Pharmaceutical Science	2	EFFECT OF ATORVASTATIN THERAPY ON LIPID PROFILE AND DIABETIC PROFILE OF PATIENTS WITH TYPE 2 DIABETES MELLITUS WITH GOOD GLYCEMIC CONTROL	316
Priyanka Rawat	Department of Physics D.A.V. (PG) College Dehradun	Physics	2	EXCITATION OF UPPER HYBRID WAVE BY TWO RELATIVISTIC HOLLOW GAUSSIAN LASER BEAMS IN MAGNETIZED PLASMA AND PARTICLE ACCELERATION	411
Priyanka Shah	Department of Agricultural Communication College of Agriculture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Science & Society/ Science Communication	1	A STUDY OF MARKETING STRATEGY OF WOMEN SELF HELP GROUPS IN DEHRADUN DISTRICT OF UTTARAKHAND	431
Priyanka Swami	Department of Agrometeorology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	AGRO-CLIMATIC ANALYSIS OF UTTARAKHAND REGION	15



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Pushpendra Sharma	G.B. Pant Institute of Engineering and Technology Ghurdauri Pauri	Biotechnology, Biochemistry & Microbiology	2	ANTIMICROBIAL POTENTIAL AGAINST HUMAN PATHOGENS OF ENDOPHYTIC ACTINOBACTERIAL ISOLATES RECOVERED FROM PINUS ROXBURGHII	77
Rachita Pandey	Department of Botany D.S.B. Campus Kumaun University Nainital (UK)	Botany	1	SEASONAL VARIATION IN FINE ROOT BIOMASS OF SHOREA ROBUSTA GAERTN. F. IN SUB-TROPICAL SAL FOREST OF CENTRAL HIMALAYA, INDIA	116
Radha Ballabha	Department of Botany S.R.T. Campus H.N.B. Garhwal University Badshahithaul Tehri	Botany	2	DIVERSITY, DISTRIBUTION AND MANAGEMENT PLAN FOR CONSERVATION OF HIGHER PLANTS IN AND AROUND SRINAGAR HYDROELECTRIC POWER PROJECT IN ALAKNANDA VALLEY OF GARHWAL HIMALAYA, INDIA	124
Ragini Pant	Biotechnology Department Kumaun University Bhimtal Campus Bhimtal Nainital	Biotechnology, Biochemistry & Microbiology	2	DRUG REPURPOSING AGAINST MYCOBACTERIUM TUBERCULOSIS	78
Raj Dev Rawat	School of Allied Sciences Graphic Era University 566/6 Bell Road Clement Town Dehradun	Rural Technology	3	ECONOMIC VIABILITY OF VALUE ADDITION TO LANTANA CAMARA VIS-À-VIS DEVELOPMENT OF TECHNOLOGY FOR ISOLATION OF DYES	425
Rakesh Kumar	Dehradun Smart City Limited Saatvik Tower Kaulagarh Road Rajender Nagar Dehradun- 248171	Mathematics; Statistics & Computer Science	2	LONG TERM LOAD FORECASTING FOR UTTARAKHAND STATE USING ARTIFICIAL NEURAL NETWORKS	280
Rakhi Tyagi	Chemistry and Bioprospecting Division Forest Research Institute PO- New Forest Dehradun	Chemistry	1	CATIONIC GUAR GUM: SYNTHESIS AND CHARACTERIZATION	145
Ramveer Singh	Gurukula Kangri Vishwavidyalaya Haridwar	Biotechnology, Biochemistry & Microbiology	1	PLANT-MEDIATED SYNTHESIS OF SILVER NANOPARTICLE (AgNP) AND THEIR ANTIBACTERIAL ACTIVITY AGAINST THE EAR, NOSE, AND THROAT (ENT) PATHOGENS	62
Rashmi Bisht	Uttarakhand Council for Biotechnology Biotech Bhawan Haldi U.S. Nagar	Biotechnology, Biochemistry & Microbiology	1	SERUM LEVELS OF TOTAL ANTIOXIDANT STATUS (TAS), MARKER OF LIPID PEROXIDATION (MDA) AND SOME TRACE ELEMENTS IN BREAST DISEASE PATIENTS OF KUMAUN REGION OF UTTARAKHAND	63
Rashmi Chauhan	Uttarakhand Technical University Sudhewala Dehradun	Biotechnology, Biochemistry & Microbiology	3	SALIVARY BIO MARKERS: REFLECTION OF PATHOLOGICAL INCIDENCES	84
Rashmi T. Chamoli	Dolphin (PG) Institute of Biomedical & Natural Sciences Manduwala Dehradun 248 007	Environmental Science & Forestry	3	A WONDER PLANT - NYCTANTHES ARBOR-TRISTIS	219
Rekha Devrani	Department of Chemistry D.B.S. (PG) College Dehradun	Chemistry	2	ENZYME-ASSISTED EXTRACTION OF PHENOLICS ANTIOXIDANTS FROM BIOMASS RESIDUES OF POPLAR AND LEMONGRASS	151
Rekha Goswami	Department of Electronics and Communication Engineering Graphic Era (Deemed to be University) 566/6, Bell Road, Clement Town Dehradun	Environmental Science & Forestry	1	INITIAL PERFORMANCE OF HYBRID SUB-SURFACE CONSTRUCTED WETLAND SYSTEM FOR THE TREATMENT OF DAIRY WASTEWATER	210
Rekha Palariya	Department of Zoology D.S.B. Campus Kumaun University Nainital (UK)	Zoology	1	SOCIAL AND COOPERATIVE BREEDING BEHAVIOUR OF WHITE- CRESTED KALIJ PHEASANT (LOPHURA LEUCOMELANOS HAMILTONI) AT NAINITAL ZOO	457
Renu Thapliyal	Tech Counsellor Research & Consultancy HN 403, Umraw Nagar PO - Padampur Motadhak Kotdwar-246149 Pauri	Innovator	4	SMART FIRE BLOWER DEVICE	263



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Richa Sharma	Department of Physics H.N.B. Garhwal Central University Campus Badshahithaul Tehri	Physics	1	POST ANNEALING EFFECTS ON STRUCTURAL, MORPHOLOGICAL AND OPTICAL PROPERTIES OF SPIN COATED AL DOPED ZNO THIN FILMS	404
Rishika Guleria	Chemistry and Bioprospecting Division Forest Research Institute PO- New Forest Dehradun	Chemistry	1	PINUS ROXBURGHII NEEDLES: AN IMPORTANT SOURCE OF SHIKIMIC ACID, A PRECURSOR OF TAMIFLU	146
Ritika Bhaskar	Department of Agronomy G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	EFFECT OF FOLIAR SPRAY OF NUTRIENTS AND GROWTH REGULATORS ON YIELD AND SEED QUALITY OF MUNGBEAN (VIGNA RADIATA L. WILCZEK)	16
Rohit Kumar	Department of Electrical Engineering College of Technology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Engineering Science and Technology	2	SIMULATION AND ANALYSIS OF SWITCHED RELUCTANCE MOTOR DRIVES FOR ELECTRIC VEHICLE APPLICATIONS USING MATLAB	196
Rupesh Dhyani	G.B. Pant National Institute of Himalayan Environment and Sustainable Development Kosi-Katarmal-263643 Almora	Environmental Science & Forestry	1	PAST 307 YEARS PRE-MONSOON PRECIPITATION RECONSTRUCTION BASED ON TREE RING WIDTH CHRONOLOGY OF PINUS ROXBURGHII FROM WESTERN HIMALAYA	211
S Suresh Kumar	Department of Computer Science Graphic Era University 566/6, Bell Road, Clement Town Dehradun	Innovator	4	MANAGEMENT OF E - WASTE IN AND ENVIRONMENTALLY SOUND MANNER AT THE STATE OF UTTARAKHAND	264
Sadhna Yadav	Indian Institute of Remote Sensing Department of Space 4- Kalidas Road Dehradun	Environmental Science & Forestry	2	TREE HEIGHT ESTIMATION USING ADVANCED SPACEBORNE SYNTHETIC APERTURE RADAR TECHNIQUE IN TROPICAL FOREST -UTTARAKHAND	216
Sakeena Gul Niazi	Silviculture and Forest Management Division Forest Research Institute PO- New Forest Dehradun	Environmental Science & Forestry	1	EFFECT OF CUTTING LENGTH AND CUTTING DIAMETER ON MACROPROPAGATION OF MELIA COMPOSITA	212
Saloni Singh	Forest Ecology and Climate Change Division Forest Research Institute PO- New Forest Dehradun	Environmental Science & Forestry	1	SEASONAL VARIATIONS IN PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF BAMBOO CLONES GROWN IN HIMALAYAN FOOTHILLS: AN APPROACH TO INVESTIGATE ADAPTATION POTENTIAL OF BAMBOO PLANTS	213
Samarth Tewari	Department of Agronomy G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	EFFECT OF IRRIGATION AND NUTRIENT LEVELS ON FILLED AND UNFILLED GRAIN RELATIONSHIP IN DRIP IRRIGATED BASMATI RICE	17
Sandeep Singh Charak	High Altitude Plant Physiology Research Centre (HAPPRC) H.N.B. Garhwal Central University Srinagar Pauri	Agricultural Sciences	2	CONSERVATION BY MEANS OF EFFICIENT MACROPROPAGATION OF JURINEA MACROCEPHALA ROYLE (C.B CLARKE), A THREATNED MEDICINAL HERB OF WESTERN HIMALAYA	26
Sandhya Bind	Department of Biological Sciences College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Biotechnology, Biochemistry & Microbiology	1	SCREENING OF HIGH ETHANOL TOLERANT YEAST STRAIN AND PRODUCTION OF BIOETHANOL USING AGRO-INDUSTRIAL WASTE	64
Sanjana Pathak	Department of Genetics and Plant Breeding G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	GENE EFFECT STUDIES FOR SEED YIELD AND RELATED TRAITS IN INDIAN-MUSTARD (BRASSICA JUNCEA L. CZERN & COSS)	18
Sanyogita	Department of Agronomy G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	INFLUENCE OF CROP DIVERSIFICATION AND IN-SITU RESIDUE MANAGEMENT USING ORGANICS ON GROWTH OF RICE (ORYZA SATIVA L.)	19



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Sapana Rani Charak	Department of Zoology School of Life Science H.N.B. Garhwal Central University Campus Badshahithaul Tehri (UK)	Zoology	1	EFFECT OF OSMOLALITY, PH AND MAGNESSIUM IONS ON SPERM MOTILITY IN GARHWAL HIMALAYAN MAHSEER (TOR PUTITORA)	458
Sapna Bhardwaj	Chemistry and Bioprospecting Division Forest Research Institute PO - New Forest Dehradun	Chemistry	2	EFFECT OF SEASONS ON PHYSICO-CHEMICAL CHARACTERISTICS AND ANTIOXIDANT ACTIVITY OF ARTEMISIA VULGARIS L. ESSENTIAL OIL	152
Sapna	Department of Chemistry D.S.B. Campus Kumaun University Nainital (UK)	Chemistry	1	CHEMICAL COMPOSITION AND ANTIBACTERIAL ACTIVITY OF ESSENTIAL OIL FROM ROOTS OF ZINGIBER CHRYSANTHUM ROSC.	147
Saroj Rana	SWCE G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Engineering Science and Technology	1	DECADAL TRENDS IN MONSOONAL RAINFALL FOR CHAMOLI DISTRICT OF UTTARAKHAND	190
Satinder Pal Kaur Malhotra	ICFAI Tech School ICFAI University Dehradun Rajawala Road, Selaqui Dehradun-248197	Chemistry	3	FABRICATION OF H IERARCHICAL ZNO NANOSTRUCTURES FOR PHOTOCATALYSIS APPLICATIONS	153
Satish Chandra Pandey	Cell and Molecular Biology Laboratory Department of Zoology Kumaun University S.S.J campus Almora	Medical Science including Pharmaceutical Science	1	INVITRO ANTILEISHMANIAL EVALUATION OF COMPUTATIONALLY SCREENED COMPOUNDS TARGETING DEAD BOX RNA HELICASE OF LEISHMANIA DONOVANI	304
Savita Petwal	Department of Biotechnology Modern Institute of Technology Dhalwala Rishikesh Dehradun	Biotechnology, Biochemistry & Microbiology	2	SCREENING OF MEDICINAL PLANTS AND THEIR ANTIBACTERIAL POTENTIAL AGAINST ORAL PATHOGEN	79
Sayyed Ashfaquallah	Department of Botany D.S.B. Campus Kumaun University Nainital	Botany	1	HIGH VALUE MEDICINAL PLANT - ORIGANUM VULGARE L. : AN OVERVIEW	117
Seema Singh	Division of Genetics and Tree Improvement Forest Research Institute PO - New Forest Dehradun	Biotechnology, Biochemistry & Microbiology	1	EFFECT OF FLUORESCENT PSEUDOMONAS SPECIES ON GROWTH AND DROUGHT TOLERANCE OF DENDROCALAMUS STRICTUS	65
Shahana	Department of Civil Engineering College of Technology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Engineering Science and Technology	1	RAINFALL RUNOFF MODELLING USING SWAT MODEL FOR KOSI RIVER, RAMNAGAR	191
Shail Kulshrestha	Chemistry Department D.B.S. (PG) College Dehradun	Environmental Science & Forestry	3	PHYTOREMEDIATION POTENTIAL OF NATURALLY GROWING WILD PLANT PARTHENIUM HYSTEROPHORUS L. FOR CD, CR, CU, FE, NI, PB AND ZN FROM CONTAMINATED SOIL	220
Shekhar Singh	SWCE G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Engineering Science and Technology	1	GROUNDWATER FLUCTUATION STUDY USING GRACE SATELLITE DATA FOR POPULOUS CITIES OF INDIA	192
Shepali Chalotra	Department of Zoology D.A.V. (PG) College Dehradun	Zoology	1	ECOLOGICAL ASPECTS AND IMPACT OF POLLUTION ON PHYSICO-CHEMICAL CONDITIONS OF SONG RIVER IN DOON VALLEY, DEHRADUN, UTTARAKHAND	459
Shiv Ashish Dhondiyal	Graphic Era University 566/6, Bell Road, Clement Town Dehradun	Environmental Science & Forestry	1	WATER MANAGEMENT AND CONSERVATION TECHNIQUE: A CASE STUDY OF UFFRAINKHAL MODEL	214
Shivani Farswan	Department of Zoology D.A.V. (PG) College Dehradun	Zoology	1	LARVIVOROUS FISH DIVERSITY IN WATER BODIES OF DOON VALLEY WITH PARTICULAR REFERENCE TO THEIR LARVIVOROUS POTENTIAL TOWARDS IMMATURE MOSQUITOES	460



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Shivani Lodha	Faculty of Pharmacy Uttarakhand Technical University Sudhowala Dehradun	Medical Science including Pharmaceutical Science	1	ELUCIDATING THE MECHANISM OF ONCOSTATIN-M (OSM) MEDIATED OXYGEN INDEPENDENT STABILIZATION OF HIF-1 α IN M2 POLARIZED MACROPHAGES ASSOCIATED WITH BREAST CANCER	305
Shubham Baliyan	Sardar Bhagwan Singh University Balawala Dehradun	Medical Science including Pharmaceutical Science	1	METABOLIC SYNDROME AND IT'S MANAGEMENT	306
Shubhra Kala	Department of Physics H.N.B. Garhwal Central University Srinagar Pauri	Material Science & Nano Technology	2	SYNTHESIS OF MONODISPERSE, QUASI-SPHERICAL AND CRYSTALLINE PD NANOPARTICLES AND THEIR HYDROGEN SENSING BEHAVIOUR	271
Shweta Suri	Department of Foods and Nutrition College of Home Science G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Home Science	1	VALUE ADDITION OF COWPEA LEGUME (PANT LOBIA-5) THROUGH INNOVATIVE FOOD PROCESSING TECHNIQUES FOR LIVELIHOOD SECURITY	253
Simanshu Kumar	Department of Physics S.S.J. Campus Kumaun University Almora	Physics	1	WIGNER FUNCTION ANALYSIS OF TWO - PHOTON INTERFERENCE	405
Smriti Raj Verma	Department of Biological Sciences College of Basic Sciences and Humanities G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Botany	1	WILD FLORA OF PANTNAGAR	118
Smriti	Graphic Era University 566/6, Bell Road, Clement Town Dehradun	Zoology	1	SPIDER'S DIVERSITY IN DOON VALLEY ALONG ALTITUDE GRADIENT	461
Sofiya Ansari	Gyani Inder Singh Institute of Professional Studies Mussoorie Diversion Road Opp. Malsi Deer Park Dehradun (UK)	Medical Science including Pharmaceutical Science	1	FORMULATION AND EVALUATION OF TRANSDERMAL PATCH OF ACECLOFENAC DIETHYLAMINE	307
Sonam Gupta	Department of Biotechnology Indian Institute of Technology Roorkee Roorkee Haridwar	Biotechnology, Biochemistry & Microbiology	2	TARGETING FUNGAL BIOFILM USING BIOSURFACTANT DRIVED FROM BACILLUS LICHENIFORMIS SV1	80
Subhash Chandra	Department of Pharmaceutical Chemistry H.N.B. Garhwal Central University Srinagar Pauri	Medical Science including Pharmaceutical Science	2	IN VITRO ANTIMICROBIAL ACTIVITY, ANTIOXIDANT ACTIVITY AND PHYTOCHEMICAL SCREENING OF PAEONIAEMODI	317
Sunita Bhatt	Department of Chemistry D.S.B. Campus Kumaun University Nainital	Chemistry	1	IMPACT OF DRYING ON THE ANTIOXIDANT POTENTIAL AND VOLATILE CONSTITUENTS OF OCIMUM AMERICANUM L.	148
Sunita Walia Tiwari	Department of Pharmaceutical Sciences Faculty of Technology Bhimtal Campus Bhimtal Kumaun University Nainital	Medical Science including Pharmaceutical Science	2	ANTISTRESS ACTIVITY OF KERNEL EXTRACT OF WILD APRICOT (PRUNUS ARMENIACA L.) IN EXPERIMENTAL ANIMALS: FOLK MEDICINAL USE TO SCIENTIFIC APPROACH	318
Tabassum	Department of Genetics and Plant Breeding G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	A STUDY OF MANIFESTATION OF HETEROSIS IN F1 HYBRIDS FOR GRAIN YIELD AND ITS COMPONENT TRAITS IN BREAD WHEAT (TRITICUM AESTIVUM L. EM THELL)	20
Taniya Khampa	G.R.D. (PG) Institute of Management and Technology 214 Rajpur Road Dehradun	Medical Science including Pharmaceutical Science	1	FORMULATION AND EVALUATION OF CELECOXIB OLIVE OIL EMULGEL	308
Tushar Jos hi	Department of Biotechnology Bhimtal Campus Bhimtal Kumaun University Nainital	Biotechnology, Biochemistry & Microbiology	1	TARGETING PEPTIDE DEFORMYLASE AGAINST XANTHOMONAS ORYZAE PV. ORYZAE USING IN SILICO TECHNIQUES	66



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Upasana	Department of Family Resource Management College of Home Science G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Innovator	4	VALUE ADDITION AND UTILIZATION OF PEA INDUSTRY WASTE FOR DEVELOPING BIODEGRADABLE PRODUCT	265
Usha Devi	FE & CC Division Forest Research Institute PO- New Forest Dehradun	Biotechnology, Biochemistry & Microbiology	2	A STEP AHEAD TO INCREASE SOIL HEALTH BY USING NOVEL BACTERIAL STRAINS CONFERRING BIOFERTILIZER, BIOCONTROL AND BIOREMEDIATION ACTIVITIES	81
V. Bahuguna	Department of Biotechnology Uttaranchal University Arcadia Grant Prem Nagar-248007 Dehradun	Zoology	2	IDENTIFICATION, DISTRIBUTION AND MOLECULAR CHARACTERIZATION OF THREE BUFONID SPECIES FROM UTTARAKHAND HIMALAYA	465
Vaibhav Deoli	SWCE G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Engineering Science and Technology	1	TEMPORAL WATER FEATURE INFORMATION EXTRACTION OF RAMGANGA RESERVIOR USING LANDSAT 8 DATA	193
Vaishali Chandola	High Altitude Plant Physiology Research Centre H.N.B. Garhwal Central University Srinagar Pauri	Agricultural Sciences	1	ANTI-OXIDANT POTENTIAL, TOTAL PHENOLIC, FLAVONOID AND TANNIN CONTENT OF TRILLIUM GOVANIUM WALL EX D. DON, AN IMPORTANT HIMALAYAN HERB	21
Vandana Jaggi	Department of Microbiology G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Biotechnology, Biochemistry & Microbiology	1	EVALUATING ANTAGONISTIC POTENTIAL AND MULTIFARIOUS PLANT GROWTH PROMOTING PROPERTIES OF RHIZOBACTERIA FROM WHEAT FIELDS ACROSS LARGEST PRODUCING STATES OF INDIA AGAINST FOLIAR BLIGHT PATHOGENS	67
Vartika Budhlakoti	Department of Genetics and Plant Breeding College of Agriculture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	COMBINING ABILITY ANALYSIS FOR YIELD AND YIELD CONTRIBUTING TRAITS IN RICE	22
Vasudha Pant	Green Hills Trust Kranti Kutir East Pokharkhali Almora	Agricultural Sciences	3	ANALYSIS OF STINGING NETTLE FOR ITS SIGNIFICANCE IN NUTRITIONAL SECURITY	28
Vignesh Prabhu	Doon University PO Ajabpur Kedarpuram Dehradun	Environmental Science & Forestry	2	INVESTIGATION OF INDOOR AIR QUALITY EXPOSURE AT A HIGHER EDUCATIONAL INSTITUTION LOCATED IN DEHRADUN, UTTARAKHAND, INDIA	217
Vijay Kumar	Central Molecular Research Laboratory Department of Biochemistry Shri G uru Ram Rai Institute of Medical & Health Sciences Patel Nagar Dehradun	Biotechnology, Biochemistry & Microbiology	2	GENOTYPE VARIATIONS CHARACTERIZATION IN CLINICAL ISOLATES AND ITS CLINICAL UTILITY FOR DISEASE MONITORING	82
Vijay Laxmi Rai	Department of Entomology College of Agriculture G.B. Pant University of Agriculture and Technology Pantnagar U.S. Nagar	Agricultural Sciences	2	EVALUATION OF BAITING TECHNIQUE FOR THE MANAGEMENT OF HETEROTERMES INDICOLA (ISOPTERA: RHINOTERMITIDAE) IN HOUSEHOLD ECOSYSTEM	27
Vinay Singh	Department of Zoology D.S.B. Campus Kumaun University Nainital (UK)	Zoology	1	DIVERSITY OF AVIAN FAUNA IN SURAI RESERVED FOREST RANGE, UDHAM SINGH NAGAR, UTTARAKHAND	462
Vineet Pal	Uttarakhand Space Application Centre 93, Phase-2 Vasant Vihar Dehradun	Rural Technology	1	EMPOWERING PANCHAYATI RAJ INSTITUTION IN KAILASH SACRED LANDSCAPE (PITHORAGARH) – INDIA	424
Vinod Chandra Joshi	Centre for Socioeconomic development G.B. Pant National Institute of Himalayan Environment and Sustainable Development Garhwal Regional Centre Srinagar-246174 Pauri	Botany	1	TEMPORAL CHANGES IN FOREST STRUCTURE, SPECIES COMPOSITION AND DIVERSITY IN SUBTROPICAL AND TEMPERATE FOREST STANDS IN THE WESTERN HIMALAYA	119



13th UTTARAKHAND STATE SCIENCE AND TECHNOLOGY CONGRESS 2018-19

Selected Abstract List ORAL Presentation Presenting Author wise

Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
Vinod Kumar Bhatt	Navdanya 105 Rajpur Road Dehradun	Agricultural Sciences	3	STATUS OF DEHRADUNI BASMATI: HERITAGE OF THE DOON VALLEY	29
Vinod Singh	Department of Physics VSKC Govt. (PG) College Dakpatthar Vikasnagar Dehradun	Physics	2	CROSS FOCUSING OF TWO INTENSE COSH-GAUSSIAN LASER BEAM IN MAGNETIZED PLASMA	412
Vipin Tiwari	Department of Physics S.S.J. Campus Kumaun University Almora	Physics	1	POLARIMETRIC CHARACTERIZATION OF SPATIAL LIGHT MODULATOR USING MUELLER MATRIX IMAGING	406
Vishleshwar	G.B. Pant National Institute of Himalayan Environment and Sustainable Development Kosi-Katarmal -263643 Almora	Earth Sciences including Geology, Geomorphology, Geophysics, Glaciology and Geography	1	WEAKENING TRADITIONAL LIVELIHOOD PRACTICES IN RURAL AREAS: A GEOGRAPHICAL ANALYSIS OF THE UTTARAKHAND HIMALAYA	180
Yashaswi Singh	Tissue Culture Laboratory Genetics and Tree Propagation Division Forest Research Institute PO- New Forest Dehradun	Biotechnology, Biochemistry & Microbiology	2	TECHNIQUE TO SCREEN WILT/DIEBACK DISEASE TOLERANT GENOTYPES OF SHISHAM (DALBERGIA SISOO) IN VITRO AND QUANTIFICATION OF THEIR INFECTION	83
Yogita Tyagi	Faculty of Pharmacy DIT University Mussoorie Diversion Road Makkawala P.O Bhagwantpur Dehradun	Medical Science including Pharmaceutical Science	1	A SMART APPROACH FOR DELIVERING FLUVOXAMINE LOADED BIO- NANOSUSPENSION VIA OCULAR ROUTE	309