



**12<sup>th</sup> UTTARAKHAND STATE SCIENCE AND  
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Presenting Author*	Affiliation/ Organization	Discipline	Cat.	Title of Abstract	Roll No
A. Pokhriyal*	Department of Microbiology Sai Institute of Paramedical and Allied Sciences Rajpur Road, Near Cross Road Mall Dehradun	Biotechnology, Biochemistry & Microbiology	1	ISOLATION AND CHARACTERIZATION OF PLANT GROWTH PROMOTING RHIZOBACTERIA FROM SUGARCANE RHIZOSPHERE	<b>64</b>
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Ajeet Kaur*	Centre of Excellence on Forest Based Livelihood Uttarakhand State Council for Science and Technology (UCOST) Dehradun	Environmental Science & Forestry	3	MARKET SURVEY AND TRADE ECONOMICS OF MOSS- A NON-TIMBER FOREST PRODUCT OF UTTARAKHAND	<b>265</b>
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Akhilesh Chandra*	Department of Rural Technology H.N.B. Garhwal University (A Central University) Srinagar Pauri	Rural Technology	1	ASSESSMENT OF WATER QUALITY INDEX (WQI) OF SPRINGWATER IN KYUNJA GAD WATERSHED, DISTRICT RUDRAPRAYAG, UTTARAKHAND	<b>439</b>
Alka N. Choudhary*	Department of Pharmaceutical Sciences Shri Guru Ram Rai University Patel Nagar Dehradun	Medical Science including Pharmaceutical Science	2	ECO-FRIENDLY SYNTHESIS, BIOLOGICAL EVALUATION AND QSAR STUDIES OF DIHYDROPYRIMIDINONE/THIONE DERIVATIVES	<b>380</b>
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Amit Kumar*	Forest Research Institute Deemed University Forest Research Institute PO- New Forest Dehradun	Agricultural Sciences	1	EFFECT OF NUTRIENT SOURCES ON CARBON STORAGE AND YIELD OF TURMERIC UNDER HARDA (TERMINALIA CHEBULA) BASED AGROFORESTRY SYSTEM	<b>1</b>
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Amit Kumar*	Division of Virology Indian Veterinary Research Institute Mukteswar Nainital	Veterinary Sciences & Animal Husbandry	2	RECOMBINANT EXPRESSION OF MYRISTOYLATED L1R PROTEIN OF GOATPOX VIRUS IN HETEROLOGOUS SYSTEM WITH POTENTIAL DIAGNOSTIC AND IMMUNOGENIC IMPLICATIONS	<b>471</b>
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Anil Kumar Bairwa*	Department of Genetics & Plant Breeding College of Agriculture G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	GENETIC DIVERGENCE ANALYSIS IN EARLY GENERATION SUGARCANE CLONES	<b>2</b>
Anil Kumar Shah*	Department of Pharmaceutical Sciences Shri Guru Ram Rai Institute of Technology & Science Patel Nagar Dehradun	Medical Science including Pharmaceutical Science	1	TO STUDY RISK FACTORS FOR MULTIDRUG-RESISTANT TUBERCULOSIS AMONG PATIENTS IN TERTIARY CARE TEACHING HOSPITAL IN DEHRADUN: A CASE-CONTROL STUDY	<b>352</b>
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Anisha Adarsh*	Department of Physiotherapy S.B.S. (PG) Institute of Biomedical Sciences & Research Balawala Dehradun	Medical Science including Pharmaceutical Science	1	EFFECTIVENESS OF NEUROMOTOR TASK TRAINING IN DEVELOPING FINE MOTOR SKILL IN CHILDREN WITH DEVELOPMENTAL CO-ORDINATION DISORDER	<b>353</b>
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Ankita Rajpoot*	Zoological Survey of India North Regional Centre 218-Kaulagarh Road Dehradun	Biotechnology, Biochemistry & Microbiology	1	PHYLOGENY AND BIOGEOGRAPHY OF MONITOR LIZARDS IN THE SPECIAL EMPHASIS OF INDIAN SPECIES INFERRED FROM MITOCHONDRIAL GENE	<b>65</b>
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Anoop Kumar Shukla*	Department of Civil Engineering Indian Institute of Technology Roorkee Roorkee Haridwar	Environmental Science & Forestry	2	OVERALL INDEX OF POLLUTION (OIP) BASED WATER QUALITY INDEX- AN INSTRUMENT FOR WATER RESOURCES MANAGEMENT	<b>258</b>
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Anshul Arya*	Department of Plant Pathology G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	EVALUATIONS OF THE BOTANICALS FOR THE MANAGEMENT OF FUSARIUM WILT OF LENTIL CAUSED BY FUSARIUM OXYSPORUM F.SP. LENTIS	<b>3</b>
Anshul Kala*	Department of Biochemistry Shri Guru Ram Rai Institute of Medical & Health Sciences Patel Nagar Dehradun	Medical Science including Pharmaceutical Science	2	TO ESTIMATE THE LEVELS OF SERUM FSH, LH, PROLACTIN, THYROID STIMULATING HORMONE, OESTROGEN AND AMH IN PCOS CASES	<b>381</b>
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Archana Dhyani*	Himalayan Institute of Pharmacy & Research Rajawala-248007 Dehradun (UK)	Medical Science including Pharmaceutical Science	1	NOVEL MICROPARTICULATE DELIVERY SYSTEM OF ATENOLOL FOR OPHTHALMIC DELIVERY	<b>355</b>
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Arunima Paliwal*	Department of Agronomy G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	INFLUENCE OF DIFFERENT CONSERVATION AGRICULTURE PRACTICES ON SOIL BIOLOGICAL PROPERTIES UNDER RICE-WHEAT SYSTEM	<b>6</b>



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Arvind Kumar*	Department of Biotechnology Indian Institute of Technology Roorkee Roorkee Haridwar	Agricultural Sciences	3	ROLE OF VALUE ADDED AGROMET ADVISORY SERVICES FOR SUSTAINABLE AGRICULTURE IN UTTARAKHAND	<b>33</b>
Arvind Singh*	D.A.V. (PG) College Dehradun	Botany	2	FLORISTIC DIVERSITY AND SPECIES COMPOSITION ALONG TONS RIVERINE ECOSYSTEM IN UTTARKASHI AND DEHRADUN DISTRICTS OF UTTARAKHAND	<b>126</b>
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Ashutosh Singh*	Wildlife Institute of India Chandrabani Dehradun	Biotechnology, Biochemistry & Microbiology	2	COMPARISON OF GENETIC AND VOCALIZATION DIFFERENCE IN HIMALAYAN FLYCATCHERS FOUND IN UTTARAKHAND AND OTHER EASTERN STATES	<b>79</b>
Atul Bamrara*	School of Education Uttarakhand Open University Study Centre - Maitri Institute of Management and Study Malelgaon, PO Diuli Pauri	Science & Society/ Science Communication	2	MANAGING THE CHALLENGES TO INCORPORATE ICT BASED PEDAGOGY IN GOVERNMENT SCHOOLS OF UTTARAKHAND	<b>452</b>
Atul Kumar*	Department of Geography H.N.B. Garhwal University (A Central University) Srinagar Pauri	Earth Sciences including Geology, Geomorphology, Geophysics, Glaciology and Geography	1	Analysis of the Anthropogenic Activities and Resource Utilisation in Rudraprayag District, Garhwal Himalayan region	<b>191</b>
B.P. Tamta*	Non-Wood Forest Product Division Forest Research Institute PO- New Forest Dehradun	Environmental Science & Forestry	3	NATURAL OCCURRENCE AND DISTRIBUTION OF OROXYLUM INDICUM AN ENDANGERED MEDICINAL TREE IN UTTARAKHAND	<b>266</b>
Bharti Neha*	Department of Physiotherapy S.B.S. (PG) Institute of Biomedical Sciences & Research Balawala Dehradun	Medical Science including Pharmaceutical Science	1	THE EFFECT OF CYRIAX AND MYOFASCIAL RELEASE IN ADHESIVE CAPSULITIS- A COMPARATIVE STUDY	<b>356</b>
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	<b>357</b>
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Chenesh Patel*	Department of Entomology College of Agriculture G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	PRELIMINARY STUDIES ON SEASONAL INCIDENCE AND GROWTH PARAMETERS OF Helicoverpa armigera (HUBNER) ON WHEAT AT PANTNAGAR	<b>7</b>
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Chirag Sedani*	Department of Nuclear Science and Technology University of Petroleum & Energy Studies (UPES) PO- Bidholi, Via Premnagar Dehradun	Medical Science including Pharmaceutical Science	1	A REVIEW ON RADIONUCLIDES PRODUCTION FOR THERAPEUTIC AND DIAGNOSTIC MEDICAL USES: CURRENT STATUS AND FUTURE PROSPECTS	<b>358</b>
Cris Thomas*	Department of Aerospace Engineering University of Petroleum & Energy Studies (UPES) PO- Bidholi, Via Premnagar Dehradun	Engineering Science and Technology	1	VOICE CONTROLLED DRONE	<b>207</b>
D. Mahanta*	M.V.Sc (Veterinary Anatomy) G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Veterinary Sciences & Animal Husbandry	1	GROSS MORPHOLOGICAL, MORPHOMETRICAL AND HISTOLOGICAL STUDIES ON THE MAJOR LYMPHOID ORGANS OF DAY OLD KADAKNATH CHICK	<b>465</b>
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Deepika Sharma*	Faculty of Pharmacy DIT University Mussoorie Diversion Road Makkawala P.O Bhagwantpur Dehradun	Medical Science including Pharmaceutical Science	1	EPIDEMIC ARBOVIRAL DISEASE: A NEED FOR PREVENTION AND TREATMENT	<b>359</b>
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Devanshu Dev*	Department of Plant Pathology G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	IN VIVO EVALUATION OF FUNGICIDES AGAINST MAJOR DISEASES OF RAPESEED-MUSTARD	<b>8</b>
Devender Sharma*	Department of Genetics & Plant Breeding G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	ASSESSMENT OF TERMINAL HEAT TOLERANCE ABILITY OF WHEAT GENOTYPES BASED ON MORPHO- PHYSIOLOGICAL TRAITS USING DISCRIMINANT FUNCTION ANALYSIS	<b>9</b>
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Diksha Bisht*	College of Home Science G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Home Science	1	DEVELOPMENT OF GLUTEN FREE MUFFINS	<b>301</b>
Dinesh Singh Rawat*	Department of Botany and Microbiology H.N.B. Garhwal University (A Central University) Srinagar Pauri	Botany	2	PHYTODIVERSITY OF WESTERN RAMGANGA VALLEY, CHAMOLI, UTTARAKHAND	<b>129</b>
Ekpo Mfon Luke*	Central Molecular Research Laboratory Biochemistry Department Shri Guru Ram Rai University, Patel Nagar Dehradun	Biotechnology, Biochemistry & Microbiology	2	MOLECULAR AND MICROBIOLOGICAL ASSAYS FOR THE CHARACTERIZATION OF MULTI-DRUG RESISTANT TUBERCULOSIS (MDR-TB)- CLINICAL RELEVANCE FOR THE DISEASE DIAGNOSIS AND TREATMENT	<b>80</b>
Faheem Ahamad*	Limnology and Ecological Modelling Lab. Department of Zoology & Environmental Sciences Gurukula Kangri University Haridwar	Environmental Science & Forestry	1	EFFICIENCY OF COMBINED SAND INTERMITTENT FILTRATION AND PLANT LEAF BASED ABSORBENTS TECHNOLOGY FOR WASTE WATER TREATMENT	<b>240</b>
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Ganga Datt*	Department of Seed Science and Technology H.N.B. Garhwal University (A Central University) Srinagar Pauri	Agricultural Sciences	2	EFFECTS OF HYDROPRIMING ON SEED GERMINATION AND SEEDLING GROWTH IN PADDY UNDER RAINFED AREAS OF UTTARAKHAND HILLS	<b>23</b>
Gaurav Chaturvedi*	Department of Agrometeorology College of Agriculture G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	EFFECT OF CLIMATE CHANGE ON PRODUCTIVITY OF SCENTED AND BOLD SEEDED RICE VARIETIES USING CROP SIMULATION MODEL	<b>10</b>



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Gauri*	Department of Physics Birla Campus H.N.B. Garhwal University (A Central University) Srinagar Pauri	Physics	1	ANALYSIS OF CAPACITY DEGRADATION OF LEAD ACID BATTERIES USING SIMULATED FIELD CHARGING CONDITIONS	<b>424</b>
Gautam Tomar*	Shri Guru Ram Rai Institute of Technology & Science Patel Nagar Dehradun	Medical Science including Pharmaceutical Science	1	A VALIDATED STABILITY INDICATING RP HPLC METHOD DEVELOPMENT FOR DETERMINATION OF TELMISARTAN IN FORMULATIONS	<b>360</b>
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Gyanendra Awasthi*	Department of Biochemistry Dolphin (PG) Institute of Biomedical & Natural Sciences Manduwala Dehradun 248 007	Biotechnology, Biochemistry & Microbiology	3	HEMATOLOGICAL AND LIPID PROFILING OF ROORKEE POPULATION	<b>85</b>
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Preeti Chaturvedi*	Department of Biological Sciences College of Basic Sciences and Humanities G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Botany	3	BRYOPHYTES: A PARADIGM SHIFT OF STATUS FROM WASTE TO ECOFRIENDLY PLANT PROTECTANTS	<b>140</b>
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Priyanka Lohani*	G.B. Pant National Institute of Himalayan Environment and Sustainable Development Kosi-Katarmal Almora	Earth Sciences including Geology, Geomorphology, Geophysics, Glaciology and Geography	1	CHARACTERISTICS OF CONVECTIVE SURFACE LAYER TURBULENCE OF SPRING AND AUTUMN SEASONS OVER CENTRAL HIMALAYA	<b>195</b>
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Sajal Debbarma*	Department of Vegetable Science College of Agriculture G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Agricultural Sciences	1	RESPONSE OF CAPSICUM TO DRIP IRRIGATION LEVELS AND BLACK PLASTIC MULCH UNDER NATURALLY VENTILATED POLYHOUSE	<b>17</b>
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Sandeep Singh Charak*	High Altitude Plant Physiology Research Centre H.N.B. Garhwal University (A Central University) Srinagar Pauri	Agricultural Sciences	2	CONSERVATION BY MEANS OF EFFICIENT MACROPROPAGATION OF JURINEA MACROCEPHALA ROYLE (C.B CLARKE), A THREATENED MEDICINAL HERB OF WESTERN HIMALAYA	<b>29</b>
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Sourab Singh*	Center of Excellence for NRDMS Department of Geography S.S.J. Campus Kumaun University Almora	Environmental Science & Forestry	1	SPATIAL DYNAMIC CHANGE OF FOREST COVER OF UTTARAKHAND STATE (2000-2016) USING GOOGLE EARTH ENGINE (GEE)	<b>253</b>
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Supriyo Saha*	Department of Pharmaceutical Sciences S.B.S. (PG) Institute of Biomedical Sciences & Research Balawala Dehradun	Medical Science including Pharmaceutical Science	2	ANTI INFLAMMATORY, ANALGESIC AND TOXICITY STUDIES OF SYNTHESIZED IMIDAZOLYL-TRIAZOLO HYDROXAMIC ACID	<b>386</b>
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Wani Ilyas*	Department of Veterinary Medicine CVASc. G.B. Pant University of Agriculture & Technology Pantnagar U.S. Nagar	Veterinary Sciences & Animal Husbandry	1	EPIDEMIOLOGICAL STUDY OF CAPRINE NEONATAL KID DISEASES AND THEIR CLINICAL MANAGEMENT IN TARAI AND BHAWAR AREA (U.S. NAGAR & NAINITAL DISTRICTS) OF UTTARAKHAND	<b>470</b>
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