

3-Day National Conference

Environment, Climate and Sustainability: Science, Policy and Pathways

Theme: Biodiversity and Conservation

List of Oral Presentations

SERIAL NO.	CODE	TITLE	AUTHOR NAME	AFFILIATION	MODE OF PRESENTATION
1	BC-O-01	Arboriculture of Ploriferation in Prophetic Medicine for the Environmental Sustainability of India	Shafi Abdullah Zuhuri	Board of Prophetic Medical Science	ORAL
2	BC-O-02	Bioconversion of Industrial Residues Including Fish Processing and Herbal Waste Using Black Soldier Fly Larvae for Sustainable Resource Recovery	Ankit Kumar; Kanchan Kumari; Er. Karthik N. Raghunathan	CSIR-National Environmental Engineering Research Institute (NEERI), Kolkata Regional Centre; Academy of Scientific and Innovative Research (ACSIR), Ghaziabad	ORAL
3	BC-O-03	Assessing Freshwater Pollution Levels Across Indian Regions Using Benthic Macroinvertebrates: A Comprehensive Study	Komal Kushwaha; Kanchan Kumari; Raju Pal; Raima Datta	CSIR-National Environmental Engineering Research Institute (NEERI), Kolkata Zonal Centre	ORAL
4	BC-O-04	Multidimensional Niche Partitioning in a Parasitoid Guild Attacking Xylotrechus stebbingi (Coleoptera: Cerambycidae) in Its Native Indian Himalayan Range	Amir Maqbool; Iqra Maqbool; Aijaz Ahmad Wachkoo; Harvinder Kour Sidhu; Abass Hassan	SHMM Government Degree College, Anantnag; Desh Bhagat University; Government Degree College, Kulgam; Desh Bhagat University; Lovely Professional University	ORAL
5	BC-O-05	Accelerated Eutrophication in Kashmir Himalayan Lakes Modulates Fish and Aquatic Health – A Quantitative Assessment by Using Integrative Multivariate Modelling Approach	Ummer Rashid Zargar	Department of Zoology, GDC Dooru, Anantnag, Jammu and Kashmir	ORAL
6	BC-O-06	Lichen Diversity Patterns Across a Land-Use Gradient in the Kashmir Himalaya: Implications for Biodiversity Conservation	Asma Hussan Wani	Shri Venkateshwara University, Gajrula, Uttar Pradesh	ORAL
7	BC-O-07	Economic Evaluation of Fish Resources and Trapa natans in Wular Lake, Kashmir: Implications for Sustainable Wetland Management	Qurat Un Nisa; Sami Ullah Bhat	Department of Environmental Science, School of Earth and Environmental Sciences, University of Kashmir, Srinagar	ORAL
8	BC-O-08	Assessing the Ecological and Socio-Economic Services of the Floral Diversity of Riparian Wetlands: Insights into Urpada Beel, Assam	Ankita Tamuli; Sujit Deka	Department of Geography, Bodoland University, Kokrajhar, BTR, Assam, India; Professor, Department of Geography, Bhattacharya University, Pathsala, Assam, India	ORAL
9	BC-O-09	Optimization of Growing Media and Indole-3-Butyric Acid Concentrations for Vegetative Propagation of Lemon Balm (Melissa officinalis L.) Under Temperate Himalayan Conditions	Amerjeet Singh; Mariya Mushtaq; P. A. Sofi; Peerzada Ishtiyak Ahmad; A. R. Malik; Tahir Mushtaq	Division of Forest Products and Utilization, Faculty of Forestry, SKUAST-K, Benhama Ganderbal	ORAL
10	BC-O-10	Socio-Spatial Inequities in Urban Green Infrastructure Use and Ecosystem Service Perception at Srinagar, Jammu and Kashmir	Tuba Naqshbandi; Nashmeen Showkat; Javaid M Dad	Department of Environmental Science, University of Kashmir	ORAL
11	BC-O-11	Effect of Growing Media Mixtures on the Propagation and Survival of Jasminum mesnyi Hance Under Temperate Himalayan Conditions	Shaheryar Hussain Khan; Gazala Qazi	Department of Environmental Science, University of Kashmir	ORAL
12	BC-O-12	Addressing the Fuelwood Energy Deficit in Jammu and Kashmir: Scaling Agroforestry for Enhanced Tree Cover and Reduced Forest Dependency	Farhana Manzoor; A. H. Mughal; G. M. Bhat; Megna Rashid	Division of Silviculture and Agroforestry (SAF), Faculty of Forestry, SKUAST-Kashmir	ORAL
13	BC-O-13	Technological Advancements in Social Forestry of Kashmir Valley	Abdul Rouf Farooqi	Desh Bhagat University, Punjab	ORAL
14	BC-O-14	Characterization of Resistance Mechanisms in Maize Genotypes Against the Oriental Armyworm (Mythimna separata) for Sustainable Pest Management	Bilal Ahmad Sheikh; Tahmina Mushtaq; Tariq Ahmad	Insect Ecology and Pest Management Research Laboratory, Department of Zoology, University of Kashmir; Division of Entomology, SKUAST-K	ORAL
15	BC-O-15	Awareness, Perceptions and Ecosystem Services of Shallabugh Wetland (Ramsar Site)	Hadi Murtaza Tak; Arshid Jehangir	Department of Environmental Science, University of Kashmir	ORAL

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List of Poster Presentations

SERIAL NO.	CODE	TITLE	AUTHOR NAME	AFFILIATION	MODE OF PRESENTATION
16	BC-P-16	Assessment of Horsefly Diversity (Diptera: Tabanidae) Across Climatic Gradients in the Kashmir Himalaya, India	Dilkash Gulzar; Altaf Hussain Mir	Entomology Research Laboratory, Department of Zoology, University of Kashmir	POSTER
17	BC-P-17	Crenic Biodiversity of Freshwater Springs in South Kashmir: Insights from Periphytic, Algal and Macroinvertebrate Communities	Taayaba Reyaz; Mohd Sharjeel Sofi	Department of Environmental Science, University of Kashmir	POSTER
18	BC-P-18	Pollinator Diversity in Traditional and High-Density Apple Orchards Along an Altitudinal Gradient in the Kashmir Himalaya	Iftisam Gulzar; Anzar Ahmad Khuroo; Tariq Ahmad	IPM Research Laboratory, Department of Zoology, University of Kashmir; Center for Biodiversity & Taxonomy, Department of Botany, University of Kashmir	POSTER
19	BC-P-19	Phytohormone-Induced Defensive Response of Kale Genotypes Against Cabbage Aphid, <i>Brevicoryne brassicae</i> (Hemiptera: Aphididae)	Shaista Amin; Barkat Hussain; Tariq Ahmad	IPM Research Laboratory, Department of Zoology, University of Kashmir; Division of Entomology, SKUAST Kashmir	POSTER
20	BC-P-20	Public Green Spaces as Refuges for Insect Pollinators in Urban Landscapes: Evidence from Srinagar City, Kashmir	M. A. Rather; T. Ahmad; A. A. Khuroo	Department of Zoology & Department of Botany, University of Kashmir	POSTER
21	BC-P-21	Integrating Life-History Data and Body Shape Analysis to Better Protect and Manage Fish Populations: A Review	Aadil Rasheed; Y. Bakhtiyar; D. S. Iqbal	Department of Zoology, University of Kashmir; SKUAST-K, Rangil	POSTER
22	BC-P-22	Periphytic Algal and Macroinvertebrate Assemblages as Indicators of Ecological Health of Freshwater Springs of North Kashmir, Himalaya	Shugufta Manzoor; Mohd Sharjeel Sofi; Sami Ullah Bhat	Alumni, Department of Environmental Science, University of Kashmir	POSTER
23	BC-P-23	Assessing Avian Diversity Patterns Across the Jhelum Basin in Kashmir Himalaya	Shazia Shafayat; Tariq Ahmad; Fayaz Ahmad Ahanger	Department of Zoology, University of Kashmir; Department of Zoology, Govt. Degree College, Ganderbal	POSTER
24	BC-P-24	Crenic Biodiversity of Some Freshwater Springs of Central Kashmir	Fumeena Hashim; Yasir Qurashi; Sami Ullah Bhat	Department of Environmental Science, University of Kashmir	POSTER
25	BC-P-25	Role of Exogenous Application of Proline in Mitigating Lead Toxicity in Chickpea (<i>Cicer arietinum</i> L.)	K. M. Shaifali; Aditi A. Bisht; Shailika A. Sharma	Department of Bioscience (UIBT), Chandigarh University, Mohali	POSTER
26	BC-P-26	Macroinvertebrate Community Structure in the Sindh River, Kashmir Himalaya, and Its Relevance to the Feeding Ecology of the Ibisbill (<i>Ibidorhyncha struthersii</i>)	Inam Sabha; Iqram Ul Haq; Khursheed Ahmad; Ishrat Nazir	Division of Wildlife Sciences, SKUAST-K, Srinagar	POSTER
27	BC-P-27	Phytochemical Characterization and In Vitro Antimicrobial Activity of <i>Malus domestica</i> L. Delicious (Apple) Peel Extracts Against Selected Bacterial Skin Pathogens	Rasia Manzoor; Gazala Qazi	Department of Environmental Science, University of Kashmir	POSTER
28	BC-P-28	Unraveling Orchid Mycorrhizal Associations: A Molecular Approach Towards Sustainable Biodiversity Management	Rimzim Pawar; L. K. Attri	Chandigarh University	POSTER
29	BC-P-29	Prioritizing Medicinal Plant Conservation in the Jammu and Kashmir Himalaya: A Multi-Parametric Valuation Approach	Bilal Ahmad Tali; Aijaz Hassan Ganie	Department of Botany, S. P. College Srinagar; Department of Botany, University of Kashmir North Campus	POSTER
30	BC-P-30	Bacteriocins as Next-Generation Antimicrobials for Food and Aquaculture Systems: A Sustainable Alternative to Antibiotics	Marofull Nisa; Ruqeya Nazir	Centre of Research and Development (CORD), University of Kashmir	POSTER
31	BC-P-31	Phenological Studies of Plant Diversity: A Key to Monitor Population Dynamics	Wahid Iqbal	S.P. College Srinagar	POSTER
32	BC-P-32	Carbon Sequestration Potential of Macrophytes in Freshwater Wetlands of Kashmir Himalaya	Maheen Javaid; Arshid Jehangir; Aadil Hamid; A. R. Yousuf	Department of Environmental Science, University of Kashmir	POSTER
33	BC-P-33	Floristic Composition and Diversity Patterns of Vascular Plants at Guryul Ravine (A Fossil Park), Pampore	Naseer Ahmad Kumhar; Shamsul Haq; Javaid M. Dad	Department of Environmental Science, University of Kashmir	POSTER
34	BC-P-34	Lichen Flora of Bhaderwah, Northwestern Himalaya: Taxonomic Richness and Substrate Affinities	Pihu Gupta; Dk Upreti; Anil K. Raina	Department of Environmental Sciences, University of Jammu; Lichenology Laboratory, CSIR-NBRI, Lucknow	POSTER
35	BC-P-35	Carbon Stock Assessment Across Vegetation Layers and Forest Carbon Pools in the Deciduous Forests of the Northwestern Himalayas	R. Mohan; I. Mohan; A. K. Raina	Department of Environmental Sciences, University of Jammu	POSTER
36	BC-P-36	Kashmir in the Global Bird-Sound Archive: A Citizen-Science Case Study of Xeno-Canto and the Kaetj Interface	Natiq Nabi Sofi; Gazifa Amin; Baasit Abubakr	Centre for Design Your Degree, University of Kashmir (Institute of Technology, Zakura Campus)	POSTER
37	BC-P-37	Nanotechnology-Enabled Delivery of Antimicrobial Peptides: Emerging Strategies and Clinical Translation for Combating Antimicrobial Resistance	Rizwana Ali; Ruqeya Nazir; Insha Amin; Burhan Hamid	Centre of Research for Development, University of Kashmir	POSTER
38	BC-P-38	Ichthyofaunal Diversity of Lotic Waterbodies of Jammu and Kashmir	Muntaha Anjum; Shaista Javaid; Yahya Bakhtiyar	Fish Biology and Limnology Research Laboratory, Department of Zoology, University of Kashmir	POSTER
39	BC-P-39	Ichthyofaunal Diversity of Major Lentic Waterbodies of Kashmir	Biyaza; Shaista Javaid; Yahya Bakhtiyar	Fish Biology and Limnology Laboratory, Department of Zoology, University of Kashmir	POSTER

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40	BC-P-40	Integrated Approaches for Spatio-Temporal Fish Diversity Assessment to Support Adaptive Fisheries Management in the Jhelum River Basin, Kashmir	Nisha Rafiq; Mukeshkumar Bhendarkar; Yahya Bakhtiyar	Fish Biology and Limnology Research Laboratory, Department of Zoology, University of Kashmir; ICAR-National Institute of Abiotic Stress Management, Maharashtra	POSTER
41	BC-P-41	Gut Microbial Ecology in Gastrointestinal Nematode Infections: Emerging Insights for Sustainable Parasite Control in Small Ruminants	Quratul Aien; Hidayatullah Tak; Bashir Ahmad Ganai	Department of Zoology, University of Kashmir; Centre of Research for Development, University of Kashmir	POSTER
42	BC-P-42	Morpho Molecular Identification of Platyhelminthes (Flatworms) in Small Ruminants of Kashmir and Their Microbial Associations	Sabreenah Parveen; Hidayatullah Taq; Bashir Ahmad Ganai	Department of Zoology, University of Kashmir; Center of Research for Development, University of Kashmir	POSTER
43	BC-P-43	Deciphering the Psychrophilic Protease Bacteria from Soils in Lamayuru, Ladakh, India Using a 16S rRNA Sequencing Approach	Hina Mushtaq; Arshid Jehangir; Bashir Ahmad Ganai	Government Degree College for Women, Baramulla; Department of Environmental Science, University of Kashmir; Centre for Research and Development, University of Kashmir	POSTER
44	BC-P-44	Morphometric and Meristic Characterization of the Hillstream Loach <i>Nemacheilus rubidipinnis</i> (Blyth) from River Mandal, Garhwal Himalaya	Richa Bamola; C. B. Kotnala; Pankaj Bahuguna; A. K. Dobriyal; Nidhi Singh	H. N. B. Garhwal University Campus, Pauri Garhwal	POSTER
45	BC-P-45	Litter Decomposition Across Treeline Ecotone in Kashmir Himalaya: Disentangling Role of Microbial Biomass in Nutrient Cycling	Ikhtlaq Majeed; Arshid Jehangir; Irfan Rashid	Department of Environmental Science, University of Kashmir; Department of Botany, University of Kashmir	POSTER
46	BC-P-46	Estimation of Soil Nutrients and Tree Biomass of Riverine Ecosystem of Dachigam National Park of Kashmir Himalaya, India	Bisma Rafi; Azra Nahid Kamili	Department of Environmental Science, University of Kashmir; Center of Research for Development, University of Kashmir	POSTER
47	BC-P-47	Machine Learning Algorithms for the Volume Estimation of Himalayan Cedar (<i>Cedrus deodara</i> Roxb. Loud) in Jhelum Valley Forest Division of Kashmir Himalaya	Anam Gowher; Aasif Ali Gatoo; Akhtlaq Amin Wani; M. Iqbal Jeelani; Shah Murtaza; M. A. Islam; K. A. Sofi	Division of NRM, Faculty of Forestry, SKUAST Kashmir; Division of Agricultural Statistics, Faculty of Horticulture, SKUAST Kashmir	POSTER
48	BC-P-48	Life Form Spectra of Lower and Upper-Elevation Zones in Billawar Forest Division, Jammu and Kashmir, India	Indica Mohan; Ritica Mohan; Anil K. Raina	Department of Environmental Sciences, Central University of Jammu; Department of Environmental Sciences, University of Jammu	POSTER
49	BC-P-49	Forest Fires in the North-Western Himalaya: Current Knowledge, Emerging Trends, and Future Research Priorities: A Systematic Review	Majid Hassan Mir; Farooq Ahmad Dar	University of Kashmir, Department of Geography and Disaster Management	POSTER
50	BC-P-50	Evaluation of the Antimicrobial Activity and Secondary Metabolites of <i>Beta vulgaris</i> L. Peel	Syed Moomina Toyib; Gazala Qazi	Department of Environmental Science, University of Kashmir	POSTER
51	BC-P-51	Comparative Evaluation of the Antimicrobial Activity and Quantitative Estimation of Secondary Metabolites in Two Varieties of <i>Tagetes erecta</i> L. (African Marigold) Cultivars Pusa Basanti and Pusa Narangi Against Skin-Associated Bacterial Pathogens	Humaira Manzoor; Gazala Qazi	Department of Environmental Science, University of Kashmir	POSTER
52	BC-P-52	Forest Ecosystems as Natural Carbon Sinks: A Review of Carbon Sequestration Dynamics, Sustainable Management and Future Horizons	Harsha Gupta	University of Jammu, Jammu and Kashmir	POSTER
53	BC-P-53	Commercial Hunting and Wildlife Decline: A Study of Biodiversity Loss and Conservation Challenges in India with Special Focus on Himalayan Fauna	Suresh. J	Department of History, University College, University of Kerala, Thiruvananthapuram, Kerala	POSTER

Summary: 15 Oral presentations (O) and 38 Poster presentations (P); Total = 53 abstracts.

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Environment, Climate and Sustainability: Science, Policy and Pathways

Theme: Cryosphere and Cold Region Processes

List of Oral Presentations

SERIAL NO.	CODE	TITLE	AUTHOR NAME	AFFILIATION	MODE OF PRESENTATION
1	CCRP-O-01	A TRANSFERABLE INSAR-OPTICAL FRAMEWORK FOR SEMI-AUTOMATED MAPPING OF DEBRIS-COVER GLACIERS: INSIGHTS FROM THE BARA SHIGRI, SIACHEN, ZEMU AND GANGOTRI GLACIERS IN THE HIMALAYAS	Rakesh Joshi; Umakanth Uppara; Swapna Pannickal	Jawaharlal Nehru University, New Delhi, India; Indian Institute of Tropical Meteorology, Pune, India	ORAL
2	CCRP-O-02	SPATIO-TEMPORAL EVOLUTION AND DYNAMICS OF SUPRAGLACIAL LAKES ON GANGOTRI GLACIER, CENTRAL HIMALAYAS	Rakesh Joshi; Padmini Pani	Jawaharlal Nehru University	ORAL
3	CCRP-O-03	POTENTIAL PERMAFROST DISTRIBUTION IN THE INDUS BASIN: FIRST RESULTS	Manoj Kumar; S Kumar; A Reza; S Mal	Jawaharlal Nehru University, New Delhi	ORAL
4	CCRP-O-04	GLACIAL GEOMORPHOLOGY AND PALEO-GLACIER RECONSTRUCTION OF THE AKSAI CHIN TRANS-HIMALAYA	Uqba Shafat; Khalid Omar Murtaza	Department of Geoinformatics, University of Kashmir	ORAL
5	CCRP-O-05	AUTOMATED APPROACHES FOR CRYOCONITE HOLE MAPPING ON DRANG DRUNG GLACIER	Seerat Magray; Irfan Rashid; Sami Ullah Bhat	Department of Geoinformatics, University of Kashmir, Jammu and Kashmir, India; Department of Environmental Science, University of Kashmir, Jammu and Kashmir, India	ORAL
6	CCRP-O-06	TIME-VARYING BATHYMETRY AND CALVING DYNAMICS OF AN ICE-CONTACT PROGLACIAL LAKE IN TRANS-HIMALAYAN LADAKH	Syed Hameem Gulzar; Irfan Rashid; Pervez Ahmed	Department of Geography and Disaster Management, University of Kashmir, Srinagar, 190006, India; Department of Geoinformatics, University of Kashmir, Srinagar, 190006, India	ORAL
7	CCRP-O-07	MAPPING THE CRYOSPHERIC GEOMORPHOLOGY OF PIR PANJAL, WESTERN HIMALAYA: BASELINE FOR PERMAFROST RESEARCH	Shabar Hussain; Irfan Rashid	Department of Geoinformatics, University of Kashmir, Srinagar, 190006, India	ORAL
8	CCRP-O-08	GLACIER THICKNESS CHANGE AND GEODETIC MASS BALANCE OF GLACIERS IN THE DRASS BASIN, WESTERN HIMALAYA	Nufaisa Farooq; Khalid Omar Murtaza; Mohammad Farooq Mir; Shakil Ahmad Romshoo	Department of Geoinformatics, University of Kashmir; Department of Physics, University of Kashmir; Islamic University of Science and Technology, Jammu and Kashmir, India	ORAL
9	CCRP-O-09	ANALYZING THE GLACIER RECESSION OF LAKE AND LAND TERMINATING GLACIERS OF SURU BASIN, TRANS-HIMALAYA INDIA	Mansha Bashir; Irfan Rashid	Department of Civil Engineering, Indian Institute of Technology Ropar, Rupnagar, Punjab, India; Department of Geoinformatics, University of Kashmir, Srinagar, Jammu and Kashmir, India	ORAL
10	CCRP-O-10	DEBRIS COVER VARIABILITY AND DEBRIS THICKNESS ESTIMATES OF MACHOI GLACIER AS REVEALED BY REMOTE SENSING AND IN SITU OBSERVATIONS	Nowsheen Firdous; Irfan Rashid; Imtiyaz Ahmad Bhat	Department of Geoinformatics, University of Kashmir, Hazratbal, 190006, Jammu and Kashmir	ORAL
11	CCRP-O-11	HYDROGEOMORPHIC AND CLIMATIC SIGNATURES OF GLOF-PRODUCING GLACIAL LAKES ACROSS HIGH MOUNTAIN ASIA	Insha Rashid Narwari; Syed Danish Rafiq Kashani	Department of Geoinformatics, University of Kashmir, Hazratbal, 190006, Jammu and Kashmir	ORAL
12	CCRP-O-12	A REGIONAL INVENTORY OF ROCK GLACIERS AND THEIR CONTRIBUTION TO MOUNTAIN WATER STORAGE IN THE WESTERN HIMALAYA	Imtiyaz Ahmad Bhat; Irfan Rashid; RAAJ Ramsankaran; Argha Banerjee	Department of Geoinformatics, University of Kashmir, Hazratbal, Srinagar, 190006, India; Department of Civil Engineering, Indian Institute of Technology Bombay, Mumbai 400076, India; Earth and Climate Science, Indian Institute of Science Education and Research, Pune, 411008, India	ORAL
13	CCRP-O-13	SPECIATION AND SOURCES OF VOCs OVER HIMALAYAN GLACIERS	Aishwaryashri Tamrakar; Shamsh Pervez	School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, India	ORAL
14	CCRP-O-14	SPATIAL AND SEASONAL VARIABILITY OF MICROPLASTICS IN HIGH ALTITUDE GLACIER-FED HIMALAYAN RIVERS	Irteza Qayoom; Gulzar A. Bhat; Irfan Rashid; Anoop Ambili	Centre For Interdisciplinary Research and Innovations, University of Kashmir, Srinagar, India; Department of Chemistry, University of Kashmir, Srinagar, Jammu and Kashmir, India; Department of Geoinformatics, University of Kashmir, Srinagar, Jammu and Kashmir, India; Department of Earth and Environmental Sciences, Indian Institute of Science Education & Research Mohali, Mohali, Punjab, India	ORAL

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Environment, Climate and Sustainability: Science, Policy and Pathways

Theme: Cryosphere and Cold Region Processes

List of Poster Presentations

SERIAL NO.	CODE	TITLE	AUTHOR NAME	AFFILIATION	MODE OF PRESENTATION
15	CCRP-P-15	CRYOSPHERIC GEOMORPHOLOGY OF NAMSURU-LINGBER CATCHMENT IN TRANS-HIMALAYAN LADAKH	Andeleep Nazir; Shahid Younis Bhat; Irfan Rashid	Department of Geoinformatics, University of Kashmir, Srinagar, 190006, India	POSTER
16	CCRP-P-16	IMPACT OF CREVASSES ON THE GLACIER DYNAMICS IN THE WESTERN HIMALAYA	Mahvish Ayoob; Khalid Omar Murtaza	Department of Geoinformatics, University of Kashmir, Srinagar, 190006, India	POSTER
17	CCRP-P-17	MICROPLASTIC CONTAMINATION IN ENVIRONMENTAL MATRICES OF GANGGLASS CATCHMENT, TRANS-HIMALAYAN LADAKH	Waseem Rasool; Afreen Khursheed; Sami Ullah Bhat; Irfan Rashid; Ghulam Jeelani; Mohd Sultan Bhat	Department of Geoinformatics, University of Kashmir, Srinagar, Jammu & Kashmir, India; Department of Environmental Science, University of Kashmir, Srinagar, India; Department of Earth Sciences, University of Kashmir, Srinagar, India; Department of Geography, University of Kashmir, Hazratbal, India	POSTER
18	CCRP-P-18	GLACIAL LAKES AND GLOFS IN A WARMING HIMALAYA-KARAKORAM REGION: CURRENT UNDERSTANDING, CHALLENGES, AND THE WAY FORWARD	Abid Farooq Rather; Rayees Ahmed; Taha Shamim; Abrar Farooq; Syed Hameem Gulzar; Saqiba Hussain; Faizan Yousuf; Pervez Ahmed	Department of Geography and Disaster Management, University of Kashmir, 190006, India; Divecha Centre for Climate Change, Indian Institute of Science, Bangalore, India	POSTER
19	CCRP-P-19	BATHYMETRIC AND MORPHOMETRIC CHARACTERIZATION OF HIGH-ALTITUDE THERMOKARST AND ICE CONTACT LAKES IN THE TRANS-HIMALAYAN LADAKH, INDIA	Fayaz Ahmad Bhat; Reet Kamal Tiwari; Irfan Rashid	Department of Civil Engineering, Indian Institute of Technology Ropar, 140001, Punjab, India; Department of Geoinformatics, University of Kashmir, Srinagar, Jammu and Kashmir, India	POSTER
20	CCRP-P-20	MONITORING THE RECENT SURGE OF MANLUNG GLACIER IN THE EAST KARAKORAM USING DENSE OPTICAL SATELLITE TIME SERIES	Haroon Rashid Lone; Reet Kamal Tiwari; Irfan Rashid	Department of Civil Engineering, Indian Institute of Technology Ropar, Rupnagar, Punjab, India; Department of Geoinformatics, University of Kashmir, Srinagar, 190006, India	POSTER
21	CCRP-P-21	ASSESSING GLACIER AND GLACIAL LAKE DYNAMICS OF THE HARMUKH GLACIER	Faizan Yousuf; Aasif Maqbool; Abrar Farooq; Syed Hameem Gulzar; Pervez Ahmed	Department of Geography and Disaster Management, University of Kashmir, Srinagar, India	POSTER
22	CCRP-P-22	TEMPORAL VARIATION OF MICROPLASTICS IN SEASONAL SNOWPACK AT ROHTANG PASS, WESTERN HIMALAYA	Faisal Zahoor Jan; Irfan Rashid; Chandan Sarangi; Indumathi Manivannan Nambi	Department of Geoinformatics, University of Kashmir, Hazratbal 190006, India; Department of Civil Engineering, Indian Institute of Technology Madras, Chennai, 600036, India	POSTER
23	CCRP-P-23	CRYOSPHERIC GEOMORPHOLOGY OF THE SASSER LA, EASTERN KARAKORAM, INDIA	Shahid Younis Bhat; Irfan Rashid; Imtiyaz Ahmad Bhat; Shahzad Ahmad Lone	Department of Geoinformatics, University of Kashmir, Srinagar, Jammu and Kashmir, India	POSTER
24	CCRP-P-24	CLIMATE-DRIVEN GLACIER RETREAT IN THE LIDDER WATERSHED, WESTERN HIMALAYA: EVIDENCE FROM TWO DECADES OF SATELLITE OBSERVATIONS (2000-2020)	Owais Nazir; Pervez Ahmed	Department of Geoinformatics, University of Kashmir, Srinagar, Jammu and Kashmir, India	POSTER

Summary: 14 Oral presentations (O) and 10 Poster presentations (P); Total = 24 abstracts.

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Theme: Climate Change and Sustainable Development

List of Oral Presentations

SERIAL NO.	CODE	TITLE	AUTHOR NAME	AFFILIATION	MODE OF PRESENTATION
1	CCSD-O-01	VALORIZING AGRICULTURAL RESIDUES FOR LOW-CARBON BIOETHANOL: A SUSTAINABLE ROUTE TO CIRCULAR BIOECONOMY USING WHEAT STRAW AND ASPERGILLUS FLAVUS	Anita Singh*1, Arti Devi1, Zaheer Ud Deen Sheikh1 and Neha Kotwal1	Department of Environmental Studies, Central University of Haryana, Mahendergarh, Haryana	ORAL
2	CCSD-O-02	DECOUPLING SPATIAL AND INTRINSIC DRIVERS OF URBAN ALBEDO DECLINE OVER HYDERABAD, INDIA	V. S. Sai Krishna Sakuru*1, Reema Mathew1 and Subin Jose1	National Remote Sensing Centre, Hyderabad	ORAL
3	CCSD-O-03	ASSESSING FOREST RISK AND VULNERABILITY IN THE HIMALAYAN ECOSYSTEM OF JAMMU & KASHMIR: IMPLICATIONS FOR SUSTAINABLE FOREST MANAGEMENT	Padma Sharma*1, Abhishek Jamwal1 and Majid Farooq1	Department of Ecology, Environment and Remote Sensing, Jammu and Kashmir-180006	ORAL
4	CCSD-O-04	CLIMATE CARE INDIA: A STUDY PROTOCOL FOR DIGITAL TRANSFORMATION OF HEALTH SYSTEMS FOR NON-COMMUNICABLE DISEASE MANAGEMENT AND CLIMATE CHANGE ADAPTATION	Rubina Mandlik*1, Chidvilas More1, Anuradha Vaman Khadilkar1, Tarun Reddy Katapally1,2,3and Jasmin Bhawra1,4	Hirabai Cowasji Jehangir Medical Research Institute, Jehangir Hospital, Pune, Maharashtra, India Children's Health Research Institute, Lawson Health Research Institute, 750 Base Line Road East, Suite 300, London, Ontario, Canada Department of Epidemiology and Biostatistics, Schulich School of Medicine and Dentistry, Western University, London, Ontario, Canada CHANGE Research Lab, School of Occupational and Public Health, Toronto Metropolitan University, Toronto, Ontario, Canada	ORAL
5	CCSD-O-05	CLIMATE CHANGE IMPACTS ON AGRICULTURE, HEALTH AND WELLBEING IN RURAL INDIA: CAPTURING THE LOCAL PERSPECTIVES	Chidvilas More*1, Rubina Mandlik1, Anuradha Khadilkar1, Jasmin Bhawra1,4, Katarina Bursac4 and Tarun Reddy Katapally1,2,3	Hirabai Cowasji Jehangir Medical Research Institute, Jehangir Hospital, Pune, Maharashtra, India Children's Health Research Institute, Lawson Health Research Institute, 750 Base Line Road East, Suite 300, London, Ontario, Canada Department Of Epidemiology and Biostatistics, Schulich School of Medicine and Dentistry, Western University, London, Ontario, Canada CHANGE Research Lab, School of Occupational and Public Health, Toronto Metropolitan University, Toronto, Ontario, Canada	ORAL
6	CCSD-O-06	UPPER-TROPOSPHERIC WARMING AND HUMIDITY ENHANCEMENT: INSIGHTS FROM RADIO OCCULTATION OBSERVATIONS	Kandula V Subrahmayam*1, Rabindra Kumar Nayak1, M. V. Ramana1 and N. Aparna1	Earth and Climate Sciences Area (ECSA), National Remote Sensing Centre, Indian Space Research Organization (ISRO), Hyderabad-500037, India	ORAL
7	CCSD-O-07	RAINFALL REGIME AND URBAN FLOOD VULNERABILITY IN THE CONTEXT OF CLIMATE CHANGE: A GEOMORPHOLOGICAL ASSESSMENT OF THE 2006 AND RECENT FLOOD EVENTS IN SURAT CITY, INDIA	Kulsum Salahuddin*1	Department of Geography, Aligarh Muslim University	ORAL
8	CCSD-O-08	MEASURING THE URBAN CLIMATE RESILIENCE CONTRIBUTION OF UNIVERSITIES: DEVELOPMENT OF A COMPOSITE INDEX FOR DELHI	Amena Siddiqui*1 and Mohammad Afsar Alam1	Department of Geography, Jamia Milia Islamia, New Delhi	ORAL
9	CCSD-O-09	SPATIO-TEMPORAL DYNAMICS OF LST AND UHI EFFECTS IN PATNA CITY: IMPLICATIONS FOR CLIMATE RESILIENCE, SUSTAINABLE URBAN DEVELOPMENT, AND SDG 11	Abu Bakar Waheedi*1 and Mohammad Afsar Alam1 Department of Geography, Jamia Millia Islamia, New Delhi		ORAL
10	CCSD-O-10	ASSESSMENT OF HEATWAVES UNDER CLIMATE CHANGE IN JAMMU & KASHMIR DURING 1980-2024	Ausra Alliaie*1, Taha Shamim1, Akhtar Alam1 and M. Sultan Bhat1	Department of Geography & Disaster Management, University of Kashmir	ORAL
11	CCSD-O-11	ASSESSING THE ENVIRONMENTAL CONSEQUENCES OF TOURISM AND VEHICULAR GROWTH IN JAIPUR (2003 TO 2023)	Huba Abidi*1, Mohammed Faiz2 and Rashid Aziz Faridi1	Department of Geography, Aligarh Muslim University, Uttar Pradesh, India Interdisciplinary Department of Remote Sensing and GIS applications, Aligarh Muslim University, Uttar Pradesh, India	ORAL
12	CCSD-O-12	LIVING WITH COASTAL HAZARDS: A COMPARATIVE ASSESSMENT OF HOUSEHOLD VULNERABILITY AND CLIMATE RESILIENCE IN CHELLANAM AND EDAVANAKKAD, KERALA	Nabila. M*1 and P. R. Suresh1	Department of Applied Economics, Cochin University of Science and Technology	ORAL
13	CCSD-O-13	SPATIO TEMPORAL VARIABILITY AND TRENDS OF RAINFALL AND TEMPERATURE IN UTTAR PRADESH: A CLIMATE CHANGE PERSPECTIVE	Aaley Nabi*1 and Baby Neehat1	Aligarh Muslim University, Aligarh, 202002	ORAL
14	CCSD-O-14	CLIMATE CHANGE-INDUCED HYDRO-METEOROLOGICAL HAZARDS AND COMMUNITY RESILIENCE IN THE WESTERN HIMALAYAS: EMERGING RISKS, IMPACTS, AND ADAPTATION PATHWAYS	Kirti Rai*1, Piyush Ojha1 and Anu Priya1	Department of Geography, University of Delhi	ORAL
15	CCSD-O-15	Assessment of Climatic Variables in Chenab Valley, Himachal Himalaya	Anu Priya*1 and B W Pandey1	Delhi School of Economics, Department of Geography, University of Delhi	ORAL
16	CCSD-O-16	ENHANCING SUSTAINABILITY THROUGH STUDENT-LED WASTE UTILIZATION PROJECTS-A CASE STUDY OF AMAR SINGH COLLEGE CAMPUS	Bazigha Badar*1	Amar Singh College, Srinagar	ORAL

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Theme: Climate Change and Sustainable Development

SERIAL NO.	CODE	TITLE	AUTHOR NAME	AFFILIATION	MODE OF PRESENTATION
17	CCSD-O-17	A MULTIVARIATE ANALYSIS OF HEAT EVENTS IN THE COLD DESERT OF LADAKH HIMALAYAS	Zeba Khanam*1	CSRD, JNU	ORAL
18	CCSD-O-18	MODERN SOCIAL MEDIA PLATFORMS FOR CLIMATE CHANGE AWARENESS: OPPORTUNITIES, CHALLENGES, AND FUTURE PROSPECTS	Akanksha Rajput*1, Abhishek Jamwal1 and Majid Farooq1	Department of Ecology Environment and Remote Sensing, Jammu (JKDEERS)	ORAL
19	CCSD-O-19	INDIAN KNOWLEDGE SYSTEMS FOR CLIMATE CHANGE ADAPTATION AND SUSTAINABLE DEVELOPMENT: BUILDING CLIMATE RESILIENCE IN TRIPURA	Anwesa Nath*1 and Lokanath Mishra1	Department of Education, Aizawl, Mizoram University	ORAL
20	CCSD-O-20	HISTORICAL AND PROJECTED CLIMATE EXTREMES IN JAMMU & KASHMIR: MULTI-INDICATOR ASSESSMENT OF RAINFALL, TEMPERATURE, AND CRYOSPHERE TRENDS	Kuljit Kour*1, Majid Farooq1 and Monika Sharma1	Department of Ecology, Environment and Remote Sensing	ORAL
21	CCSD-O-21	RATIONAL ENGINEERING OF A THREE-DIMENSIONAL AMINO-FUNCTIONALIZED ERBIUM(III) METAL-ORGANIC FRAMEWORK FOR SELECTIVE ULTRA-DEEP FUEL PURIFICATION VIA COOPERATIVE π - π AND LEWIS ACID-BASE INTERACTIONS	Mohd Zeeshan*1	Department of Chemistry, Aligarh Muslim University, Aligarh	ORAL
22	CCSD-O-22	Climate-Driven Geohazard Risk in Himalayan Hill Towns: The Joshimath Land Subsidence Crisis	Piyush Ojha*1	Delhi School of Economics, Department of Geography, University of Delhi	ORAL
23	CCSD-O-23	IMPACT OF URBAN MORPHOLOGY PARAMETERS ON URBAN MICROCLIMATE: A MULTI-SITE ASSESSMENT IN NOIDA	Huma Aftab*1 and Nishi Kumari1	Department of Geography, Aligarh Muslim University, Aligarh (U.P.)	ORAL
24	CCSD-O-24	EFFECT OF LAND USE AND LAND COVER CHANGES ON LAND SURFACE TEMPERATURE IN VARIOUS LULC CLASSES IN SRINAGAR CITY, KASHMIR HIMALAYA	Naeem Imtayaz*1, Shujaat Hussain2 and Mohd Muslim1	Department of Environmental Science, University of Kashmir Islamic University of Science and Technology (IUST)	ORAL
25	CCSD-O-25	DEVELOPMENT OF EMISSION FACTORS FOR ORGANIC AND INORGANIC GASEOUS POLLUTANTS FROM CULTURAL BURNING PRACTICES	Shamsh Pervez*1, Dharini Sahu1, Yasmin F. Pervez2, Manas K. Deb1	School Of Studies In Chemistry, Pt. Ravishankar Shukla University, Raipur, 492010, India Government Dr. Waman Wasudev Patankar Girls PG College, Durg, Chhattisgarh, 491001	ORAL
26	CCSD-O-26	ASSESSING THE IMPACT OF GREEN ENERGY INNOVATION AND CLIMATE CHANGE ON AGRICULTURAL GROWTH IN INDIA: EVIDENCE FROM THE ARDL APPROACH	Mohd Kadir Ansari*1 and Md. Firdos Ahmad1	Department of Economics, Aligarh Muslim University	ORAL
27	CCSD-O-27	ECO-EPIDEMIOLOGICAL IMPACTS OF CLIMATE VARIABILITY ON VECTOR-BORNE ILLNESSES IN THE HIMALAYAN FOOTHILLS OF JAMMU: A SYSTEMATIC APPRAISAL	Kaneez Fatima*1, Adnan Hussain Lone1and G.M. Rather1	Department of Geography and Disaster Management, University of Kashmir Srinagar-190006	ORAL
28	CCSD-O-28	IMPACTS OF URBANIZATION ON METEOROLOGICAL DYNAMICS IN MEGACITIES	Aasif Ahmad Wagay*1, Pauli Paasonen2, Tuukka Petäjä, Victoria Sinclair2, Shahzad Gani1,2 and Sarath Guttikunda 3,4	Centre for Atmospheric Sciences, Indian Institute of Technology Delhi, New Delhi, India Institute for Atmospheric and Earth System Research / Physics, University of Helsinki, Helsinki, Finland TRIP-Centre, Indian Institute of Technology Delhi, New Delhi, India Urban Emissions Information, Goa, India	ORAL
29	CCSD-O-29	ADAPTIVE LABORATORY EVOLUTION OF CANDIDA SHEHATAE FOR SUSTAINABLE ETHANOL PRODUCTION FROM RICE STRAW-DERIVED XYLOSE	Zaheer Ud Din Sheikh*1, Anita Singh2 and Deepak Pathania1	Department Of Environmental Sciences, Central University of Jammu, Samba, 181143, India Department Of Environmental Studies, Central University of Haryana, Haryana-123031, India	ORAL
30	CCSD-O-30	SACRED ECOLOGY: INTERDEPENDENCE, STEWARDSHIP, AND SUSTAINABLE DEVELOPMENT IN BUDDHIST AND SUFI THOUGHT	Javed Ahmed*1	Department of Buddhist Studies, University of Jammu, Jammu & Kashmir, India	ORAL

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List of Poster Presentations

31	CCSD-P-31	DYNAMICS OF LANDSCAPE TRANSFORMATION AND SOIL ORGANIC CARBON STOCK: A STUDY OF SOUTH KASHMIR HIMALAYA	Insha Gani*1 and Javeed Ahmad Rather1	Department of Geography and Disaster Management, University of Kashmir, Srinagar (J&K)	POSTER
32	CCSD-P-32	SUSTAINABLE SRINAGAR SMART CITY: TOURIST PERSPECTIVES	Somayya Madakam*1 and Sridhar M. Samant1	Nirma University, Ahmedabad, Gujarat, India	POSTER
33	CCSD-P-33	CLIMATE RESILIENT AND LIVABLE HIMALAYAN CITIES: INTEGRATING URBAN PLANNING AND SUSTAINABLE INFRASTRUCTURE IN UTTARAKHAND	Suryansh Sethi*1	School of Planning and Architecture (S.P.A.), New Delhi, India	POSTER
34	CCSD-P-34	WHY SEASONAL PASTORALIST MIGRATION IS CHANGING IN JAMMU AND KASHMIR - IS CLIMATE CHANGE THE ONLY CULPRIT	Atif Bashir*1 and Javaid M. Dad1	Department of Environmental Science, University of Kashmir	POSTER
35	CCSD-P-35	ASSESSING THE ROLE OF RURAL-URBAN LINKAGES IN ENHANCING CLIMATE-RESILIENT AGRICULTURAL DEVELOPMENT: A CASE STUDY OF ALIGARH DISTRICT, INDIA	Samreen Fatima*1	Aligarh Muslim University, Aligarh	POSTER
36	CCSD-P-36	CLIMATE VARIABILITY AND FARMERS PERCEPTIONS OF ITS IMPACTS ON THE LIVESTOCK AND HORTICULTURE SECTORS IN JAMMU DIVISION, HIMALAYAN REGION	Shafiq Ahmed*1, Inzamam ul Haq1, Habbibullah1 and Rashid Latief Bhat1	Department of Geography, University of Jammu	POSTER
37	CCSD-P-37	CLIMATE CHANGE AND SHIFTING SEASONAL DOMINANCE OF ATMOSPHERIC CIRCULATION OVER KASHMIR HIMALAYA	Samina Hamid*1 and Mohammad Muslim1	Department of Environmental Science, University of Kashmir	POSTER
38	CCSD-P-38	GLOBAL EVIDENCE, LOCAL REALITIES: THE MULTIDIMENSIONAL IMPACTS OF CLIMATE CHANGE ON WOMEN'S HEALTH IN THE KASHMIR HIMALAYA	Bilkeesa Bashir*1, Adnan Hussain Lone1 and G.M. Rather1	Department of Geography and Disaster Management, University of Kashmir Srinagar-190006	POSTER
39	CCSD-P-39	ANALYZING SPATIO-TEMPORAL TRENDS IN THE PRODUCTION OF MAJOR NON-APPLE FRESH FRUITS IN KASHMIR VALLEY	Qurat ul Afroz*1 and Mohammad Shafi Bhat1	Department of Geography and Disaster Management, University of Kashmir, India	POSTER
40	CCSD-P-40	CARBON FOOTPRINT ASSESSMENT OF HOUSEHOLDS IN KISHTWAR TOWN, JAMMU AND KASHMIR	Zarka Waza*1 and Anil Kumar Raina2	Department of Environmental Science, University of Kashmir, Srinagar, J&K Department of Environmental Science, University of Jammu, Jammu, J&K	POSTER
41	CCSD-P-41	UNLOCKING SUSTAINABLE HIGH-ENERGY SUPERCAPACITORS THROUGH LANTHANIDE MOF COMPOSITE ENGINEERING	MOHAMMAD YASIR KHAN*1	Aligarh Muslim University	POSTER
42	CCSD-P-42	UNLOCKING DESULFURIZATION MECHANISMS IN METAL-ORGANIC FRAMEWORKS: BRIDGING EXPERIMENTAL AND COMPUTATIONAL APPROACHES FOR SUSTAINABLE FUEL PURIFICATION	Mohd Mehtab*1, Mohd Zeeshan1, Manjeet Kumar1, Azaj Ansari1, Mohammad Yasir Khan1, Farasha Sama1, Musheer Ahmad1, and M. Shahid1	Aligarh Muslim University, Aligarh, Uttar Pradesh	POSTER
43	CCSD-P-43	UNVEILING THE CYANOBACTERIAL MICROBIAL BIO FACTORIES AND ITS VERSATILITY IN INDUSTRIAL PRACTICES AND BIOTECHNOLOGICAL APPLICATIONS	Navita Yadav*1, Yogita Kumari1, Meena Yadav1 and Sharma Mona1	Central University of Haryana	POSTER
44	CCSD-P-44	BOOM WITHOUT BOUNDS: A COMPOSITE ECOLOGICAL LOAD INDEX FOR THE TOURISM-INFRASTRUCTURE-CRYOSPHERE TRADE-OFF IN THE KASHMIR VALLEY REGION	Abhishek Anand*1, Waseem Ashraf1, Ishita Sarkar1, Anand Shankar2, Vaibhav Kumar3, Sumit Kumar Gond1, Rakesh Das1, Sourish Bondyopadhyay1 and Rajendra Kumar Jenamani1	Regional Meteorological Centre, India Meteorological Department (IMD), Kolkata 700027, India. Meteorological Centre, Doppler Weather Radar, India Meteorological Department (IMD), Anisabad, Patna, 800002, India. Institute Of Geosciences, National Research Council of Italy (CNR GEO), Via Madonna Alta 126, 06128, Perugia, Italy.	POSTER
45	CCSD-P-45	CLIMATE-INDUCED GREENING IN A HIGH-ALTITUDE COLD DESERT: IMPLICATIONS FOR CRYOSPHERIC IMPACTS AND VEGETATION CHANGE IN LEH DISTRICT, LADAKH	Mohd Wasit Manhas*1, Sumaira Javid and Owais Nazir University of Kashmir		POSTER
46	CCSD-P-46	IS ORGANIC FARMING IN SIKKIM SUSTAINABLE?	Dharmendra Kumar*1 and Punyatoya Patra2	University of Kashmir University of Delhi	POSTER
47	CCSD-P-47	FROM MOLECULAR PACKING TO SUSTAINABLE MATERIALS: ENGINEERING MECHANICAL DURABILITY IN POLYCYCLIC AROMATIC CRYSTALS	Ansar Ul Haq*1, Aritra Bhowmik2, Niyaz Ahmad Mir3, Manish Kumar Mishra2 and Yasser Azim1	Department of Applied Chemistry, Aligarh Muslim University, Aligarh, India. Physical and Materials Chemistry Division, CSIR-National Chemical Laboratory (NCL), Pune, India PG Department of Chemistry, Government Degree College, Anantnag, Jammu and Kashmir, India	POSTER
48	CCSD-P-48	LAKE ECOSYSTEM DYNAMICS IN THE KASHMIR HIMALAYA: A MULTIPROXY PALEOCLIMATE PERSPECTIVE	Aaniqa Qayoom*1, Irfan Rashid1, Reyaz Ahmad Dar2 and Arshid Jahangir3	Department of Botany, University of Kashmir Department of Geology, University of Kashmir Department of Environmental Science, University of Kashmir	POSTER
49	CCSD-P-49	CHITOSAN-FUNCTIONALIZED ZEROVALENT IRON/ZINC OXIDE (CS/NZVI/ZNO) AS A CARRIER FOR CELLULASE (CELLIC CTEC2) IMMOBILIZATION AND APPLICATION IN CELLULOSIC BIOMASS CONVERSION	Neha Kotwal*1, Anita Singh2 and Deepak Pathania1	Department Of Environmental Sciences, Central University of Jammu, Samba, J&K, 181143, India Department Of Environmental Studies, Central University of Haryana, Jant-Pali, Haryana, India	POSTER
50	CCSD-P-50	PEOPLES PERCEPTION TOWARDS LAND USE CONVERSION: A CASE STUDY OF DISTRICT PULWAMA, (JAMMU & KASHMIR), INDIA	Affifa Manzoor*1 and Javaid M Dad1 *1Department of Environmental Science, University of Kashmir, Srinagar 190006, India		POSTER

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51	CCSD-P-51	CLIMATIC TRENDS IN SOUTH KASHMIR (1985-2025): AN ANALYSIS OF MONTHLY TEMPERATURE AND PRECIPITATION TRENDS	Niyaz Ahmad Khan*1, Akshi Goyal2 a, Baba Uqab2, Mubashir Jeelani1, Syeed Mudasir1, Fayaz A. Malla3	Department Of Environmental Science, SRM University, Delhi-NCR, Haryana 131029, India Department Of Environmental Sciences, GDC Bemina, Cluster University Srinagar, India. Department Of Environmental Science, GDC Tral, Govt. Of Jammu and Kashmir	POSTER
52	CCSD-P-52	SCENARIO BASED ASSESSMENT OF FUTURE WATER DEMAND IN SRINAGAR AND GANDERBAL UNDER POPULATION GROWTH AND TOURISM EXPANSION USING WEAP	Mir Rohi Neelofar*1, Sami Ullah Bhat1 and Mohammad Muslim1	Department of Environmental Science, School of Earth and Environmental Sciences, University of Kashmir, Srinagar-190006, Jammu & Kashmir, India	POSTER
53	CCSD-P-53	WATER SMART RICE CULTIVATION: ENHANCING CROP WATER PRODUCTIVITY FOR SUSTAINABLE AGRICULTURE IN THE KASHMIR REGION	Amina*1, Tasneem Mubarak2 and Mohammad Muslim1	Department Of Environmental Science, University of Kashmir Hazratbal - 190006 Srinagar Mountain Research Centre for Field Crops, Sher-E-Kashmir University of Agricultural Sciences and Technology of Kashmir, Khudwani, Kulgam-192102	POSTER
54	CCSD-P-54	LINKING CLIMATE FORCING, BASIN MORPHOLOGY AND SEDIMENT DYNAMICS: A MULTI-PROXY STUDY FROM MANSAR LAKE, (J&K, INDIA)	Irfan Ahmad Wani*1 and Praveen K Mishra1	Cluster University of Jammu	POSTER
55	CCSD-P-55	FISH PROCESSING WASTE AS SUSTAINABLE RESOURCE FOR AQUAFEED	Tamana Latief *1	Division of Fisheries Resource Management, Faculty of Fisheries, SKUAST-K	POSTER

Summary: 30 Oral presentations (O) and 25 Poster presentations (P); Total = 55 abstracts.

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Theme: Disaster Risk Reduction

List of Oral Presentations

SERIAL NO.	CODE	TITLE	AUTHOR NAME	AFFILIATION	MODE OF PRESENTATION
1	DRR-O-01	CLIMATE - INDUCED FLOOD AND LANDSLIDE RISK ASSESSMENT IN KERALA - A STUDY	C Udayakala	University of Kerala, India	ORAL
2	DRR-O-02	DISASTER MANAGEMENT IN THE QURAN: AN ANALYSIS FROM THE STORY OF PROPHET YOUSUF (A.S.)	Shiekh Javaid Ayub	Higher Education Department, Jammu and Kashmir, India; Akal University, Punjab, India	ORAL
3	DRR-O-03	ASSESSING THE DISTRIBUTION AND GLOF HAZARD POTENTIAL OF ICE-CONTACT PROGLACIAL LAKES IN THE WESTERN HIMALAYA	Ulfat Majeed; Irfan Rashid	Department of Geoinformatics, University of Kashmir, Srinagar, India, 190006	ORAL
4	DRR-O-04	SEISMICITY CHARACTERISTICS AND EARTHQUAKE OCCURRENCE PROBABILITIES IN THE CENTRAL HIMALAYAN SEISMIC GAP	Arpita Biswas; Nitin Sharma; Prakash Kumar	CSIR-National Geophysical Research Institute, Hyderabad, Telangana, India, 500007	ORAL
5	DRR-O-05	ASSESSMENT OF SITE EFFECTS IN THE INDO-GANGETIC PLAINS DURING 2015 GORKHA-NEPAL EARTHQUAKE	Prashant Vishwakarma; Nitin Sharma; Prakash Kumar	CSIR-National Geophysical Research Institute, Hyderabad, Telangana, India, 500007	ORAL
6	DRR-O-06	STOCHASTIC GROUND MOTION SIMULATION AND PARAMETER OPTIMISATION FOR THE 2017 MW 5.6 GUPTKASHI EARTHQUAKE.	Tanishka Jadhav; Nitin Sharma; Prakash Kumar	CSIR-National Geophysical Research Institute, Hyderabad, Telangana, India, 500007	ORAL
7	DRR-O-07	SEASONAL VARIATIONS IN SITE RESPONSE CHARACTERISTICS AND SHALLOW SHEAR-WAVE VELOCITY STRUCTURE IN THE PALGHAR EARTHQUAKE SWARM REGION, WESTERN INDIA	Murarishetti Srikanth; V. Pavan Kumar; K. Sivaram; M. Shekar; Prakash Kumar	CSIR-National Geophysical Research Institute, Hyderabad, Telangana, India, 500007; AcSIR, Academy of Scientific and Innovative Research, Ghaziabad, India	ORAL
8	DRR-O-08	FLASH FLOOD RAINFALL THRESHOLDS IN CHANGING CLIMATE: A STUDY OF THE UPPER JHELM BASIN (UJB) IN NORTHWEST HIMALAYA	Tahir Ahmad Wani; Akhtar Alam; Arkaprabha Sarkar; M. Sultan Bhat; Shafkat Ahsan	Department of Geography and Disaster Management, University of Kashmir, Srinagar, 190006; National Institute of Disaster Management, New Delhi, India, 110042	ORAL
9	DRR-O-09	FLOODS, GLOF: A REVIEW OF CLIMATE-INDUCED HAZARD DYNAMICS IN THE HIMALAYAS	Ulfat Bashir; Akhtar Alam; M. Sultan Bhat	Department of Geography & Disaster Management, University of Kashmir, Srinagar, J & K, India	ORAL
10	DRR-O-10	MAPPING INHERENT VULNERABILITY OF FARMING COMMUNITIES IN LADAKH	Kaneez Fatima; Mohammad Muslim	Department of Environmental Science, University of Kashmir, Jammu and Kashmir, India, 190006	ORAL
11	DRR-O-11	HYDROCLIMATIC DRIVERS OF CHASHOTI DEBRIS FLOW	Maliha Nisar; Irfan Rashid; Shahid Younis Bhat	Department of Geoinformatics, University of Kashmir, Srinagar, Jammu and Kashmir, 190006	ORAL

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12	DRR-P-12	DEVELOPMENT OF A CONTINUOUS HAZARD INDEX AND EQUIVALENT PROBABILITY OF FAILURE CHART FOR RAINFALL-TRIGGERED ROCK SLOPE INSTABILITY ALONG NH-5, HIMACHAL PRADESH	Harsh Varshney; Tariq Siddique	Aligarh Muslim University, Aligarh, India, 20200	POSTER
13	DRR-P-13	RANDOM FOREST-BASED LANDSLIDE SUSCEPTIBILITY MAPPING OF HIGH-RISK PERIPHERAL SLOPES AROUND BAGESHWAR CITY, HIMALAYA	Atif Ahamad; Tariq Siddique	Department of Geology, Aligarh Muslim University, Aligarh, Uttar Pradesh, India	POSTER
14	DRR-P-14	SPATIAL-TEMPORAL VARIABILITY OF B-VALUE AND SEISMICITY PARAMETERS IN THE KASHMIR HIMALAYA NORTHWEST, INDIA	Nayeem Ahmad Bhat; Bikram Singh Bali; Sanjay Kumar; Prakash Kumar	CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad, 500007; Department of Earth Sciences, University of Kashmir, Srinagar, Jammu and Kashmir, India	POSTER
15	DRR-P-15	ANALYSING GLACIER RECESSION, PROGLACIAL LAKE EVOLUTION, AND GLACIAL LAKE OUTBURST FLOOD THREATS TO THE HYDROPOWER INFRASTRUCTURE IN THE CHENAB CATCHMENT, WESTERN HIMALAYA	Zahoor Ahmad Bhat; Irfan Rashid	Department of Geoinformatics, University of Kashmir, Srinagar, Jammu and Kashmir, India	POSTER
16	DRR-P-16	FLOOD SUSCEPTIBILITY MAPPING USING ADVANCED MACHINE LEARNING AND SHAP INTERPRETATION: A CASE STUDY OF BHAGALPUR DISTRICT, BIHAR, INDIA	Md Rashad; Md Alfaz Khan	Jamia Millia Islamia, India	POSTER
17	DRR-P-17	MACHINE LEARNING-BASED SNOW AVALANCHE SUSCEPTIBILITY MAPPING IN THE GULMARG, KASHMIR HIMALAYA	Nadeem Ahmad Najar; Irfan Rashid	Department of Geoinformatics, University of Kashmir, Hazratbal, Srinagar, 190006	POSTER
18	DRR-P-18	NARRATING RISK AND RESILIENCE: INTEGRATING DISASTER RISK REDUCTION FRAMEWORKS WITH ENGLISH LITERARY REPRESENTATIONS OF HAZARD, PREPAREDNESS, MITIGATION, AND RECOVERY	Flower Afsana Chaand; Flourance Chaand	Jammu University, P.G College Rajouri, Jammu and Kashmir, India	POSTER

Summary: 11 Oral presentations (O) and 7 Poster presentations (P); Total = 18 abstracts.

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Theme: Earth System and Hydrology

List of Oral Presentations

SERIAL NO.	CODE	TITLE	AUTHOR NAME	AFFILIATION	MODE OF PRESENTATION
1	ESH-O-1	SPATIO-TEMPORAL VARIABILITY AND HYDROGEOCHEMICAL CONTROLS ON URANIUM MOBILITY AND ASSOCIATED HEALTH RISKS IN GROUNDWATER OF THE UPPER GANGA PLAINS	Azka Azmi; Rashid Umar	Department of Geology, Aligarh Muslim University, Aligarh, UP, India	Oral
2	ESH-O-2	DEPTH-STRATIFIED VADOSE ZONE RESPONSE TO HEATWAVE FORCING AND ITS IMPLICATIONS FOR GROUNDWATER RECHARGE IN A SNOW-DOMINATED MOUNTAIN CATCHMENT	Sarah Qazi; Sofi Ukasha; Waseem A Shah; Muzamil Ahmad Khanday	Department of Geology, University of Kashmir	Oral
3	ESH-O-3	HYDROGEOCHEMICAL FACTORS INFLUENCING ARSENIC MOBILIZATION IN GROUNDWATER OF LAKHIMPUR KHERI, UTTAR PRADESH	Syed Salman Ahmad; Rashid Umar	Department of Geology, Aligarh Muslim University, Aligarh, UP, India	Oral
4	ESH-O-4	GROUNDWATER QUALITY APPRAISAL IN THE SARDA-GHAGHARA INTERFLUVE: A CASE STUDY FROM LAKHIMPUR, UTTAR PRADESH	Mohd Yousuf; Rashid Umar	Department of Geology, Aligarh Muslim University, Aligarh, UP, India	Oral
5	ESH-O-5	INTEGRATED APPROACHES TO GROUNDWATER REJUVENATION AND SUSTAINABLE AQUIFER MANAGEMENT FOR WATER SECURITY IN THE INDIAN HIMALAYAN REGION	Aalima Qayoom; Shah Murtaza; Akhlaq Amin Wani; Aasif Ali Gattoo; Mahida Shabir; Saniya Amin	Division of Natural Resource Management, Faculty of Forestry, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir; Division of Forest Products and Utilisation, Faculty of Forestry, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir	Oral
6	ESH-O-6	TEMPORAL EVOLUTION OF GUTENBERG-RICHTER PARAMETERS AS POTENTIAL PRECURSORS TO SIGNIFICANT HIMALAYAN EARTHQUAKES	R. Annusha; N. Venkatanathan	SASTRA Deemed University	Oral
7	ESH-O-7	GROUNDWATER CHEMISTRY, TRACE ELEMENTS, STABLE ISOTOPES ($\delta^2\text{H}$ AND $\delta^{18}\text{O}$), AND GEOCHEMICAL MODELLING STUDIES IN THE COASTAL AQUIFER REGIONS OF ODISHA STATE, INDIA	Atulya Kumar Mohanty; Bharat Moharana; B. Kiran Kumar; Devender Kumar; R. Dhakate	CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad, India	Oral
8	ESH-O-8	MULTILAYER PERCEPTRON NEURAL NETWORK-BASED INVERSION OF ELECTRICAL RESISTIVITY TOMOGRAPHY DATA FOR GROUNDWATER CONTAMINATION SITE CHARACTERIZATION	Jyoti; Payal Rani	Department of Geophysics, Kurukshetra University, Kurukshetra, Haryana, India; CSIR-National Geophysical Research Institute, Hyderabad, India	Oral
9	ESH-O-9	GEOSPATIAL MONITORING OF HYDROLOGICAL CHANGES ACROSS HIMALAYAN RIVER REGIMES	Sameeksha; Avijit Mahala	Department of Geography, University of Delhi, Delhi, India	Oral
10	ESH-O-10	BEYOND GROUNDWATER POTENTIAL ZONATION: A SPRING WATER POTENTIAL FRAMEWORK FOR HIMALAYAN TERRAIN USING AHP-GIS AND ROC VALIDATION	Shipali Billowria; Kajol Mankotia; Md. Sarfaraz Asgher	Department of Geography, University of Jammu, J&K, India	Oral
11	ESH-O-12	IS AN ENTROPY-BASED INTERACTION MODEL AN ALTERNATIVE TO THE DRASTIC MODEL?	N.C. Mondal; M.J. Nandan	Environmental Hydrology & Geophysics Group, CSIR-National Geophysical Research Institute, Hyderabad 500007, India; Academy of Scientific & Innovative Research (AcSIR), Ghaziabad 201002, India	Oral
12	ESH-O-13	INTEGRATED GEOPHYSICAL AND GEOSPATIAL MAPPING QUATERNARY ALLUVIUM OF INDO-GANGETIC PLAINS FOR EXPLORATION, ASSESSMENT AND SUSTAINABLE DEVELOPMENT OF GROUNDWATER IN HARYANA, INDIA	Dewashish Kumar; Savita; Shailesh Bhatnagar; Amal Joy	CSIR-National Geophysical Research Institute, Hyderabad -500007, India; AcSIR – Academy of Scientific and Innovative Research, Ghaziabad, India; CGWB North Western Region, Chandigarh	Oral

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List of Poster Presentations

13	ESH-P-14	SEASONAL CHARACTERIZATION OF GROUNDWATER QUALITY ALONG THE FLOODPLAINS OF THE RIVER JHELMUM, KASHMIR HIMALAYA	Peerzada Irfan; Aasimah Tanveer; Mohammad Muslim; Arshid Jehangir	Department of Environmental Science, University of Kashmir, Srinagar, 190006; Department of Water Management, GDC Boys Baramulla, Jammu and Kashmir, India, 193101	Poster
14	ESH-P-15	UNDERSTANDING DEEP GROUNDWATER CIRCULATION IN THE NORTHWESTERN HIMALAYA USING AN INTEGRATED HYDROGEOLOGICAL AND NUMERICAL INVESTIGATION	Tanveer Dar; Munir Ahmad Nayak	Department of Civil Engineering, National Institute of Technology Srinagar, 190006	Poster
15	ESH-P-16	ENHANCING GROUNDWATER POTENTIAL AND CONTAMINATION ASSESSMENT USING ELECTRICAL RESISTIVITY TOMOGRAPHY (ERT), GIS, HYDROCHEMICAL ANALYSIS, AND MACHINE LEARNING	Qariya Gull; Tanveer Dar; Munir Ahmad Nayak	Department of Civil Engineering, National Institute of Technology Srinagar, 190006	Poster
16	ESH-P-17	MULTI-TEMPORAL REMOTE SENSING ASSESSMENT OF FLUVIAL MORPHOLOGY FOR REGULATING RIVERBED SAND AND GRAVEL MINING: A CASE STUDY OF THE TAWI RIVER, JAMMU & KASHMIR, INDIA	Monika Sharma; Majid Farooq; A.S. Jasrotia	Department of Remote Sensing and GIS, University of Jammu, Jammu and Kashmir, India; Department of Ecology, Environment & Remote Sensing, Jammu and Kashmir, India	Poster
17	ESH-P-18	GIS-BASED GROUNDWATER RECHARGE SUITABILITY MAPPING FOR SUSTAINABLE WATER RESOURCE PLANNING IN LATUR DISTRICT, MAHARASHTRA USING AHP	Gayatri Govind Thakar	Department of Planning, COEP Technological University, Pune, Maharashtra, India	Poster
18	ESH-P-19	ASSESSING THE HOTSPOTS OF SALTWATER INTRUSION AND MAPPING SALINE VULNERABILITY IN COASTAL REGION OF JAMNAGAR, GUJARAT	Md Alfaz Khan; Md Rashad	Jamia Millia Islamia, New Delhi, India, 110025	Poster
19	ESH-P-20	NUTRIENT CONSTRAINTS ON TERRESTRIAL CARBON SEQUESTRATION: A SYNTHESIS OF MECHANISMS, MODELS, AND MANAGEMENT	Gulfraz Shabeer; Rakesh Kumar	Department of Environmental Sciences, University of Jammu, Jammu, India 180006	Poster
20	ESH-P-21	MONITORING SOIL MOISTURE DYNAMICS IN THE KASHMIR VALLEY USING AN INTEGRATED OPTRAM-STL FRAMEWORK	Anayat Hussain; Shabir Ahmad Bangroo; Mohammad Muslim	Department of Environmental Science, University of Kashmir, Srinagar, 190006; Division of Soil Sciences, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, 190025	Poster
21	ESH-P-22	ASSESSMENT OF HYDRO-CHEMICAL CHARACTERISTICS OF GROUNDWATER IN HARD REGION IN MARAR AREA, RAMGARH DISTRICT, JHARKHAND	Sumana Murmu; Rajendra Kumar Rawat; Nalini Das	Department of Applied Geology, Dr. H. S. Gour Vishwavidyalaya, Sagar, Madhya Pradesh, India; MECL, Nagpur, Maharashtra, India, 440006	Poster
22	ESH-P-23	SPATIAL DISTRIBUTION OF GROUNDWATER QUALITY FROM EXCELLENT TO UNSUITABLE CONDITIONS IN RAPIDLY URBANIZING FIROZABAD CITY OF INDIA	Waiza Khalid; Ateeque Ahmad	Interdisciplinary Department of Remote Sensing and GIS Applications, Faculty of Science, Aligarh Muslim University, Aligarh, India; Department of Geography, Faculty of Science, Aligarh Muslim University, Aligarh, India	Poster

Summary: 12 Oral presentations (O) and 10 Poster presentations (P); Total = 22 abstracts.

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Theme: Geospatial Science for Environmental Monitoring

List of Oral Presentations

SERIAL NO.	CODE	TITLE	AUTHOR NAME	AFFILIATION	MODE OF PRESENTATION
1	GSEM-O-01	URBAN GREEN SPACES ACCESSIBILITY MODELING IN SRINAGAR CITY USING GIS-BASED APPROACH	Mohammad Kaif; Akhlaq Amin Wani; Ma Islam; Aasif Ali Gattoo; Shah Murtaza; Mohammad Iqbal Jeelani	1Division of Natural Resource Management, Faculty of Forestry, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir; 2Division of Social and Basic Sciences, Faculty of Forestry, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir	Oral
2	GSEM-O-02	SPATIAL DYNAMICS OF LAND USE/LAND COVER TRANSFORMATION IN THE ALIGARH PERI-URBAN INTERFACE: A BUFFER-BASED GEOSPATIAL ANALYSIS	Sufia Khan; Shahab Fazal	Department of Geography, Aligarh Muslim University, India	Oral
3	GSEM-O-03	LANDSCAPE TRANSFORMATION AND THERMAL REGIME SHIFTS IN THE MOHAL KHAD WATERSHED, KULLU, NORTH-WESTERN HIMALAYA: INSIGHTS FROM SPATIAL ANALYSIS	Saptarshi Bharati; Vasudha Agnihotri	GB Pant National Institute of Himalayan Environment-Himachal Pradesh Regional Centre, Mohal, Kullu, Himachal Pradesh, India	Oral
4	GSEM-O-04	J&K CLIMATE INTELLIGENCE & MONITORING SYSTEM: A REAL-TIME, AI-POWERED GEOSPATIAL DASHBOARD FOR DISTRICT-LEVEL CLIMATE RISK MONITORING	Mohammad Umar; Majid Farooq	Department of Ecology, Environment and Remote Sensing, Bemina, Srinagar, J&K, India	Oral
5	GSEM-O-05	ASSESSING PRODUCTIVITY AND CARRYING CAPACITY OF THE HIGH-ALTITUDE PASTURES IN CHANGTHANG, LADAKH	Deachen Chosnit; Javaid Rashid; Mohammad Muslim	1Department of Environmental Science, University of Kashmir, Srinagar, India; 2Department of Social Work, University of Kashmir, Srinagar, India	Oral
6	GSEM-O-06	COMPREHENSIVE (0.1° × 0.1°) GRIDED METHANE EMISSION INVENTORY FOR INDIA: HIGHLIGHTING NORTH INDIAN STATES	Ashirbad Mishra; S K Sahu	Department of Environmental Science, Berhampur University, Odisha, India	Oral
7	GSEM-O-07	GEOINFORMATICS FOR ASSESSING THE LAND SYSTEM CHANGES IN RAKH-I-KUJER WETLAND SINCE LAST SIX DECADES	Moumin Ul Zaman; Irfan Rashid; Sheikh Aneaus	Department of Geoinformatics, University of Kashmir, Srinagar, 190 006, India	Oral
8	GSEM-O-08	SPATIO-TEMPORAL VARIABILITY OF ATMOSPHERIC POLLUTANTS IN PATNA MUNICIPAL CORPORATION, BIHAR (2019-2025): AN INTEGRATED SENTINEL-5P, GOOGLE EARTH ENGINE, AND GIS APPROACH	Priti Kumari	Patna Womens College, Patna University, India	Oral
9	GSEM-O-09	GEOSPATIAL ASSESSMENT OF SOIL AND WATER CONSERVATION INTERVENTIONS USING GOOGLE EARTH ENGINE: INTEGRATING LULC DYNAMICS, VEGETATION HEALTH, SOIL MOISTURE, AND SURFACE WATER RESPONSES IN THE DAPADA CLUSTER, SILVASSA, INDIA	Vicky Shirole; Kaushikbhai Ganvit; Vikasbhai Patel; Pranit Thakare; Sagar Chavan; Waman Kulkarni	Department of Natural Resource Management, BAIF Development Research Foundation, Pune, Maharashtra, India	Oral
10	GSEM-O-10	REMOTE SENSING OBSERVATION OF VEGETATION COVER DYNAMICS ALONG WITH THE DAL LAKE WATER	Ranjit Kumar Sarangi; Bhumika Vij; Bimal Kumar Bhattacharya	AESG/EPISA, Space Application Centre (ISRO), Ahmedabad; Maharaja Surajmal Institute of Technology, New Delhi	Oral

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List of Poster Presentations

11	GSEM-P-11	MONITORING URBAN ENVIRONMENTAL SUSTAINABILITY USING MULTI-TEMPORAL GEOSPATIAL INDICATORS: EVIDENCE FROM BIDHANNAGAR MUNICIPAL AREA OF KOLKATA, INDIA	Sujan Mandal; Pg Dhar Chakrabarti; Chandrani Bandyopadhyay	1School of Environment and Disaster Management, Ramakrishna Mission Vivekananda Educational and Research Institute, Kolkata, West Bengal, India, 700103; 2Department of Urban Planning, School of Planning and Architecture, New Delhi, India, 110002	Poster
12	GSEM-P-12	ASSESSMENT OF LAND ACQUISITION FOR THE SRINAGAR RING ROAD PROJECT	Aadil Hussain Bhat; Mohammad Muslim	Department of Environmental Science, University of Kashmir, Hazratbal, Srinagar, J&K, India	Poster
13	GSEM-P-13	INFLUENCE OF BLUE-GREEN SPACES ON URBAN HEAT ISLAND INTENSITY IN ALIGARH CITY, UTTAR PRADESH	Unnati Varshney	Aligarh Muslim University, Aligarh, India	Poster
14	GSEM-P-14	MONITORING PLANTATION TRANSFORMATION IN THE VICINITY OF WULAR LAKE USING HIGH-RESOLUTION SATELLITE DATA	Sahiba Nabi Shah; Irfan Rashid	Department of Geoinformatics, University of Kashmir, Srinagar, Jammu and Kashmir, India	Poster
15	GSEM-P-15	REMOTE SENSING AND MACHINE LEARNING FOR ASSESSING RIVER MORPHODYNAMICS UNDER CLIMATE VARIABILITY: A COMPREHENSIVE REVIEW	Modabbir Alam; Naved Ahsan	Department of Civil Engineering, Jamia Millia Islamia, New Delhi, India	Poster
16	GSEM-P-16	QUANTIFYING URBANIZATION IN AWANTIPORA TEHSIL FROM 1995 TO 2025 USING REMOTE SENSING	Shah Sabit; Sheikh Aneaus; Irfan Rashid	Department of Geoinformatics, University of Kashmir, Srinagar, Jammu and Kashmir, India	Poster
17	GSEM-P-17	GEOINFORMATICS FOR UNDERSTANDING LAND SYSTEM CHANGES IN URBAN FRINGES OF SRINAGAR CITY OVER THE LAST THREE DECADES	Aneeqa Khan; Sheikh Aneaus; Irfan Rashid; Suhaib A. Bandh	1Department of Environmental Science, Sri Pratap College Campus, Cluster University of Srinagar, Srinagar, Jammu & Kashmir, India, 190001; 2Department of Geoinformatics, University of Kashmir, Srinagar, Jammu and Kashmir, India	Poster
18	GSEM-P-18	SPATIO-TEMPORAL ASSESSMENT OF LAND SYSTEM CHANGES IN ANCHAR LAKE, KASHMIR HIMALAYA	Shazia Showket; Manzoor Ahmed Shah; Irfan Rashid	1Department of Botany, University of Kashmir, Srinagar, Jammu and Kashmir, India, 190006; 2Department of Geoinformatics, University of Kashmir, Srinagar, Jammu and Kashmir, India, 190006	Poster
19	GSEM-P-19	GEOSPATIAL MAPPING OF TREE CANOPY AND BUILT-UP AREA OF KASHMIR UNIVERSITY CAMPUS USING DEEPNESS PLUGIN IN QGIS	Lubna Farooq; Mohammad Muslim	Department of Environmental Science, University of Kashmir, Srinagar, India	Poster
20	GSEM-P-20	BATHYMETRIC AND MORPHOMETRIC ASSESSMENT OF SELECTED LAKES IN THE KASHMIR VALLEY	Mukhtar Iqbal; Mohammad Muslim	Department of Environmental Science, University of Kashmir, Srinagar, J&K, India, 190006	Poster
21	GSEM-P-21	CROP DIVERSIFICATION IN JAMMU & KASHMIR: AN ANALYSIS	Umer Jan Wani; Renu	1Higher Education Department of Jammu & Kashmir, India; 2Dr. K. N. Modi University, Newai, Rajasthan, India	Poster
22	GSEM-P-22	DISTRICT-LEVEL RICE YIELD PREDICTION IN BIHAR USING MACHINE LEARNING AND MULTI-SOURCE GEOSPATIAL DATA	Shaziya Farhat; Sirajuddin Ahmed	Department of Environmental Science, Jamia Millia Islamia, New Delhi, India	Poster
23	GSEM-P-23	ASSESSING METEOROLOGICAL DROUGHT AND ITS IMPACT ON VEGETATION DYNAMICS IN LEH DISTRICT, LADAKH	Nighat Akhter; Mohammad Muslim	Department of Environmental Science, University of Kashmir, Srinagar, J&K, India, 190006	Poster
24	GSEM-P-24	ASSESSING THE INFLUENCE OF TERRAIN-INDUCED SAR DISTORTIONS ON SENTINEL-1 LAND COVER CLASSIFICATION IN THE HIMALAYAN REGION	Shreyas Khobragade	Department of Information Technology, Vidyalkar Institute of Technology, Maharashtra, India	Poster
25	GSEM-P-25	GIS-BASED ASSESSMENT OF SOIL QUALITY IN AGRICULTURAL LANDS AROUND SUGAR INDUSTRIES OF MUZAFFARNAGAR DISTRICT, UTTAR PRADESH, INDIA	Baby Neehat	Aligarh Muslim University	Poster
26	GSEM-P-26	SPATIAL ASSESSMENT OF NATURAL CAPITAL IN NORTH KASHMIR, JAMMU & KASHMIR: A DISTRICT-LEVEL COMPARATIVE ANALYSIS	Shabeena Mapnoo; Ilyas Hussain; M. Sultan Bhat	Department of Geography & Disaster Management, University of Kashmir, Srinagar, J&K, India	Poster

Summary: 10 Oral presentations (O) and 16 Poster presentations (P); Total = 26 abstracts

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Theme: Environmental Pollution

List of Oral Presentations

S.No	Code	Title	Author(s)	Affiliation	Mode
1	EP-O-01	Long-Term Assessment of Urban Air Quality in Hyderabad, India: An Eight-Year Analysis Based on the Air Quality Index (AQI)	Syed Azeem Unnisa	Department of Environmental Science, UCS, Osmania University, Hyderabad	ORAL
2	EP-O-02	Bisphenol A Induces Oxidative Stress-Mediated Nephrotoxicity in NRK-52E Cells	Sameen Shafi, Deepak Kumar Ram, Hafizurrahman	Dept. of Zoology, Maharani Janki Kunwar College, Bettiah, Bihar; Dept. of Zoology, Mahatma Gandhi Central University, Motihari, Bihar	ORAL
3	EP-O-03	Assessment of Microplastic Pollution around Landfill Site and its Potential Risk to Fresh Water Systems and Human Health	Rama Mohan Kurakalva, Sravya Sai Guddeti, Yeshwini Dyagala, Eswara Venkata Ravi Kishore Vemana	CSIR-National Geophysical Research Institute, Hyderabad; Academy of Scientific and Innovative Research (AcSIR), Ghaziabad	ORAL
4	EP-O-04	Microplastic Contamination in Environmental Matrices of Fish Farms of Kashmir	Huma Khurshid Wani, Aarif Yaseen, Soha Ul Islam, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir, Srinagar	ORAL
5	EP-O-05	Assessment of Carbonaceous Particulate Load in Indoor and Outdoor Air: Threat to Climate and Public Health	Yasmeen Fatima Pervez, Shamsh Pervez, Sushant Ranjan Verma	Dept. of Chemistry, Govt. Dr. W.W. Patankar Girls' PG College, Durg, Chhattisgarh; School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur	ORAL
6	EP-O-06	From Reservoir to Resolution - Transforming Hospital Environment to Prevent Hospital-Acquired Infections	Munaza Aman	Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar	ORAL
7	EP-O-07	GIS-Based Landfill Site Suitability Analysis Using Analytic Hierarchy Process (AHP) for Sustainable Solid Waste Management in Meerut District	Mohd Zeeshan, Md Mushfique Reza, Syed Kausar Shamim	Aligarh Muslim University	ORAL
8	EP-O-08	Transgenerational Toxicity of Polyethylene Microplastics in Daphnia magna: Implications for Aquatic Risk Assessment	Alina Zehra, Sadasivam Anbumani	Ecotoxicology Laboratory, REACT Division, CSIR-Indian Institute of Toxicology Research (IITR), Lucknow; AcSIR, Ghaziabad	ORAL
9	EP-O-09	Mechanistic Evaluation of Bio-Waste Derived Hydroxyapatite as a Sustained-Release Phosphorus Fertilizer: A Kinetic Approach	Shubham Pramanik, Kanchan Kumari, Karthik Raghunathan	CSIR-NEERI, Kolkata Zonal Centre; CSIR-NEERI, Chennai Zonal Centre	ORAL
10	EP-O-10	Gelatin/Chitosan Based Bilayer Hydrogel Actuator - A Thermo- and pH-Responsive Hydrogel with Biomimetic Applications	Sahiba Nabi Shah, Aijaz Ahmad Dar	Soft Matter Research Group, Dept. of Chemistry, University of Kashmir, Hazratbal, Srinagar	ORAL
11	EP-O-11	Quantification of Industrial Mercury Emissions in India: Special Emphasis on the Northern States	Subhasmit Dash, S K Sahu	Department of Environmental Science, Berhampur University, Odisha	ORAL
12	EP-O-12	Occupational Air Pollution Exposure and Systemic Inflammation among Brick Kiln Workers: A Comparative Cross-Sectional Study	Zaiema Rouf Khan, Arshid Jehangir, Bashir Ahmad Ganai	Dept. of Environmental Science, University of Kashmir; Centre of Research for Development, University of Kashmir	ORAL
13	EP-O-13	Evaluation of Oxidative Stress and Biochemical Alterations Induced by Polystyrene Microplastics in Albino Rats	Ravees Hassan Ganaie, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir	ORAL
14	EP-O-14	Inventory and Water Quality of Springs from Tehsil Ganderbal and Wakoora of Ganderbal District	Afreen Khurshid, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir	ORAL
15	EP-O-15	Geochemical Assessment of Soil Contamination by Potentially Toxic Elements in the Vicinity of the Raichur Thermal Power Plant, Southern India	Yeshwini Dyagala, Rama Mohan Kurakalva	CSIR-National Geophysical Research Institute (NGRI), Hyderabad, Telangana	ORAL
16	EP-O-16	Environmental Pollution and Water Quality of Natural Springs in Mizoram: An Integrated Framework for Pollution Monitoring and Sustainable Spring-Water Management	Nirban Laskar, Lalsangzela Sailo, Ruhul Amin Mozumder, N. Vignesh Kumar	Department of Civil Engineering, Mizoram University	ORAL
17	EP-O-17	Algal Distribution and Trophic State of High Altitude Ramsar Wetland in the Western Himalaya, India	Mohmmad Irshad Rather, Rasikha Tu Nissa, Syed Danish Rafiq Kashani, Irfan Rashid, Sami Ullah Bhat	School of Climate Change and Sustainability, Azim Premji University, Bengaluru; Dept. of Environmental Science, University of Kashmir; Dept. of Geoinformatics, University of Kashmir	ORAL
18	EP-O-18	FASTag-Enabled Electronic Tolling: A Policy Intervention for Sustainable Transport towards Net-Zero in India	Saroj Kumar Sahu, Ashirbad Mishra	Department of Environmental Science, Berhampur University	ORAL

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19	EP-O-19	Hydrochemical Characterization and Trophic Status of Kounsarnag - An Alpine Lake in the Pir Panjal Range of the Kashmir Himalaya	Aftab Ahmad Bhat, Sami Ullah Bhat, Zahid Ayoub	Dept. of Environmental Science, Govt. Degree College, D.H. Pora, Kulgam; Dept. of Environmental Science, University of Kashmir, Srinagar	ORAL
20	EP-O-20	Vehicular Traffic Induced Heavy Metal Accumulation and Variations in Enzymatic Activities, Soil Microbial Biomass Carbon and Nutrient Pool of Karewa Soils	Shafat A Mir, Javeed I. A Bhat, Shamsul Haq, Arshid Jehangir	Division of Environmental Sciences, SKUAST-K; Dept. of Environmental Sciences, University of Kashmir	ORAL
21	EP-O-21	Targeting Mercury-Induced Transgenerational Renal Dysfunction: The Therapeutic Potential of Fisetin	Sameen Shafi, Hafizurrahman, Bajpai P	Dept. of Zoology, Mahatma Gandhi Central University, Motihari, Bihar; Dept. of Zoology, Maharani Janki Kunwar College, Bettiah, Bihar	ORAL
22	EP-O-22	Spatial Variability and Source Apportionment of PM _{2.5} Bound Polycyclic Aromatic Hydrocarbons across Urban Environments of Eastern India	Muhammed Yousuf Subair, Gazala Habib	Dept. of Civil and Environmental Engineering, IIT Delhi, New Delhi	ORAL
23	EP-O-23	Microplastic Occurrence, Characteristics and Removal in Municipal Sewage Treatment Plants: A Comparative Assessment of Fluidized Aerobic Bioreactor and Sequencing Batch Reactor Technologies in the Kashmir Himalaya	Soha Ul Islam, Aarif Yaseen, Huma Khurshid Wani, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir	ORAL
24	EP-O-24	Synthesis, Characterization, and Application of Pine Needle-Derived Nanobiochar for the Adsorptive Removal of Hexavalent Chromium from Wastewater	Iqra Manzoor, Naved Ahsan	Jamia Millia Islamia, New Delhi	ORAL
25	EP-O-25	Microplastic Transfer from Biofilms to the Amphipod Gammarus pulex in Springs of Srinagar, Kashmir Himalaya	Ronaq Wali, Mohd Sharjeel Sofi, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir	ORAL
26	EP-O-26	Day-Night Variability in Chemical Composition and Hygroscopicity of Size-Segregated PM in Wintertime-Delhi	M. V. Mohd. Haneef, Aiman Kafeel, Zainab Arub, Gazala Habib, Wiedensohler	Dept. of Civil and Environmental Engineering, IIT Delhi	ORAL
27	EP-O-27	Road Transport Emission Inventory for Gaseous Pollutants in India Using Improved Activity Data and Real-World Emission Factors	Mohd Shahzar Khan, Gazala Habib, Mohd Imran, Aisha Baig Warsi, Meheebub Un Nabi, Rahul Kumar	Dept. of Civil and Environmental Engineering, IIT Delhi, New Delhi	ORAL
28	EP-O-28	Evaluating Microplastic Contamination in a Commercially Important Freshwater Fish, Rohu (Labeo rohita), from the Sutlej River, Punjab, India	Shahnaz Shaikh, Sharali Sharma	Dept. of Biosciences, University Institute of Biotechnology (UIBT), Chandigarh University, Mohali	ORAL
29	EP-O-29	Occurrence, Distribution, and Morphological Characterization of Microplastics in Surface Water of Wular Lake, Kashmir Himalaya	Waseem Irshad Dar, Arshid Jehangir	Department of Environmental Science, University of Kashmir, Srinagar	ORAL
30	EP-O-30	Indoor and Outdoor Exposure Assessment in Residential Communities near the Ghazipur Landfill, Delhi NCR	Himanshu Jhariya, Gazala Habib, Joseph V. Puthussery	Department of Civil & Environmental Engineering, IIT Delhi	ORAL

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31	EP-P-31	Macroinvertebrate Based Ecological Assessment of Headwaters of Vishav Stream	Mohammad Mohsin Mir, Sami Ullah Bhat, Sajad Hussain Parey	Department of Environmental Science, University of Kashmir, Srinagar; Insect Systematics Research Lab, Dept. of Zoology, Baba Ghulam Shah Badshah University, Rajouri	POSTER
32	EP-P-32	Assessment of Heavy Metal Contamination and Source Apportionment in Freshwater Resources of the Telbal Nallah Catchment of Dal Lake	Mohmad Younis Dar, Arshid Jehangir, Gh Jeelani, Aadil Hamid	Dept. of Environmental Science, University of Kashmir, Srinagar; Dept. of Earth Sciences, University of Kashmir, Srinagar; Dept. of Environmental Science, Govt. Degree College, Kulgam	POSTER
33	EP-P-33	Spatio-Temporal Quantification of Paddy Stubble Burning Emissions in Haryana, India (2020–2025): A VIIRS-Based Dual-Method Inventory for Evidence-Based Air Quality Management	Rahul Langyan, Sunil Gulia, Rajesh Dhankhar	Dept. of Environmental Sciences, Maharshi Dayanand University, Rohtak; CSIR-National Environmental Engineering Research Institute, Delhi Zonal Centre, New Delhi	POSTER
34	EP-P-34	Assessment of Biochemical Parameters of Selected Tree Species Exposed to Vehicular Emissions	Maheen Fatima, Anil K. Raina	University of Jammu	POSTER
35	EP-P-35	From Hepatic Lesions to Molecular Responses: Polyethylene Microplastics Intensify Lead Toxicity in Common Carp (<i>Cyprinus carpio</i> var. <i>communis</i>)	Aarif Yaseen, Huma Khurshid Wani, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir	POSTER
36	EP-P-36	From Waste to Resource: Biochar-Polymer Hydrogels for the Removal of Phosphates, Nitrates and TOC from Dal Lake and their Valorization as Slow-Release Fertilizers	Naazim Basheer, Aijaz Ahmad Dar	Soft Matter Research Group, Physical Chemistry Section, Dept. of Chemistry, University of Kashmir, Hazratbal, Srinagar	POSTER
37	EP-P-37	UASB–SNAP System as a Possible Modification of Conventional UASB Process: Possibilities and Challenges for Enhanced Removal of Organics and Nutrients from Sewage — A State-of-the-Art Review	Tariq Ahmad Wani, Shashikant Kumar, Abid Ali Khan	National Institute of Technology, Srinagar	POSTER
38	EP-P-38	Spatio-Temporal Variability of Trophic Status and Organic Carbon Dynamics of Wular Lake, a Ramsar Site in the Kashmir Himalaya	Tufaid Ashraf Wani, Sami Ullah Bhat, Showkat Subhan Mir	Department of Environmental Science, University of Kashmir; Govt. Degree College, Sogam, Kupwara	POSTER
39	EP-P-39	Assessment of Algal Composition and Trophic State Index of Some Springs of District Kupwara	Heeliya Liyaqat, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir	POSTER
40	EP-P-40	Nitrogen-Doped Carbon Quantum Dots: A Promising Platform for Heavy Metal Sensing	Shahnaza Akhter, Sami Ullah Bhat, Mohsin Ahmad Bhat	Department of Environmental Science, University of Kashmir; Department of Chemistry, University of Kashmir	POSTER
41	EP-P-41	Solid Waste Generation and Management Practices across Different Income Groups in Residential Areas of Jammu	Eesha Talat Bhat, Komal Sharma, Manpreet Kour, Ashish Choudhary, Palvi Katal	University of Kashmir; University of Jammu	POSTER
42	EP-P-42	Solid Waste and Environmental Health in Rapidly Growing Cities: A Geographical Perspective	Aiman Nawaz	Department of Geography, Aligarh Muslim University	POSTER
43	EP-P-43	Assessment of Surface and Groundwater Pollution and its Implications on Environment in Surrounding Areas of Lalmatia Coal Mine, Jharkhand, India	Sulekha Murmu, Chanchal Lakra	University Department of Geology, Ranchi University, Ranchi	POSTER
44	EP-P-44	Plastic Pollution Awareness, Perceptions, and Behavioral Practices in a Higher Education Institution: Implications for Sustainable Waste Management	Milad Ahmed Lone, Gazala Qazi, Arshid Jehangir	Department of Environmental Science, University of Kashmir	POSTER
45	EP-P-45	From Waste to Remedy: Sludge-Derived Biochar for Sustainable Water and Wastewater Pollution Control	Zoha Khairiowala	Dept. of Civil Engineering, Zakir Husain College of Engineering and Technology (ZHCET), Aligarh Muslim University, Aligarh	POSTER
46	EP-P-46	Assessment of Noise Exposure and Annoyance among Students and Teachers in District Budgam, Jammu and Kashmir	Habsa Nazir, Shamsul Haq	Department of Environmental Science, University of Kashmir, Hazratbal	POSTER

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47	EP-P-47	Chemical Fingerprinting of PM2.5 Emissions from Various Anthropogenic Sources in the Kashmir Himalaya	Shah Ishfaq, Arshid Jehangir, Gazala Habib, Mohd Shahzar Khan, Karigowda, Jyoti Kumari	Department of Environmental Science, University of Kashmir; Dept. of Civil & Environmental Engineering, IIT Delhi	POSTER
48	EP-P-48	Physicochemical Characterization of Brine Sludge and Development of an Epoxy-Based X-Ray Shielding Composite from Chlor-Alkali Industrial Waste	Suraya Farooq, Arti Maan, Suman Kumar	Department of Environmental Science, University of Kashmir, Srinagar; Dept. of Environmental Science, Sharda University, Greater Noida; R&D Division, Shriram Institute for Industrial Research, Delhi	POSTER
49	EP-P-49	Assessment of Water and Soil Pollution and its Environmental Impact in the Ashoka Block, North Karanpura Coalfield, Jharkhand	Juhi Pragati Dhanwar, Chanchal Lakra, Chandan Kumar Mahto, Sulekha Murmu	Department of Geology, Ranchi University, Ranchi	POSTER
50	EP-P-50	Water and Soil Pollution, Heavy Metal Contamination, and Sustainable Remediation Strategies	Deepak Chouhan, Sunita Arora, Meena Barupal	Department of Botany, Jai Narain Vyas University, Jodhpur	POSTER
51	EP-P-51	Hydrochemical Variability of Springs across an Urbanization Gradient in the Jammu Himalayan Region, India	Neeraj Kumari, Shivali Sharma, Tsering Dolkar, Saheem Feroz, Deepika Slathia	Department of Environmental Sciences, University of Jammu	POSTER
52	EP-P-52	Rainwater Composition as a Diagnostic Tool for Deciphering Air Quality and Source Identification of Pollutants	Taniya Sharma, Rakesh Kumar	Department of Environmental Sciences, University of Jammu	POSTER
53	EP-P-53	Geochemical Fractionation Approaches for Understanding Metal Speciation, Mobility, Bioavailability, and Ecological Risk	Priya Thakur, Rakesh Kumar	Department of Environmental Sciences, University of Jammu	POSTER
54	EP-P-54	Assessing the Health Impact of Occupational Workers Exposed to Particulate Matter (PM2.5) Pollution from Kashmir Valley: An Integrated Epidemiology Approach	Idrees Yousuf Dar, Zaiema Rouf Khan, Arshid Jehangir, Bashir Ahmad Ganai	Department of Environmental Science, University of Kashmir	POSTER
55	EP-P-55	Assessing Household-Level Air Pollution Sources, Health Risks, and Community Awareness: A Case Study of Rural Village of Poonch, Jammu & Kashmir, India	Toiaba Rashid Dar, Raj Kumar Rampal	Department of Environmental Sciences, University of Kashmir, Srinagar; Department of Environmental Sciences, University of Jammu	POSTER
56	EP-P-56	Hydrochemical Characterization and Bathymetry Profiling of Khushal Sar and Gilsar Lakes	Istishada Maqbool, Mohd Sharjeel Sofi, Mohammad Mohsin Mir, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir	POSTER
57	EP-P-57	Characterization of PM2.5-Bound Heavy Metals and Associated Human Health and Ecological Risks in the Western Himalaya	Tanveer Ahmad Najar, Ruqia Bhat, Gazala Habib, Arshid Jehangir	Department of Environmental Science, University of Kashmir, Hazratbal, Srinagar; Dept. of Civil Engineering, IIT Delhi	POSTER
58	EP-P-58	Comparative Assessment of Drinking Water Quality of Springs in the Krimchi-Mansar and Udhampur City Areas of Udhampur District, J&K	Sunali Jamwal, Priya Sharma, Tsering Dolkar, Deepika Slathia	Department of Environmental Sciences, University of Jammu	POSTER
59	EP-P-59	Population Dynamics of Genus Keratella in Dal Lake, Kashmir	Mohd Shafi Bhat	Department of Zoology, Govt. College for Women, Nawakadal	POSTER
60	EP-P-60	Evaluation of Oxidative Stress and Biochemical Alterations Induced by Polyethylene Microplastics in Albino Rats	Zuhaib Bashir, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir, Srinagar	POSTER
61	EP-P-61	Unveiling the Silent Threat: A Cross-Sectional Perspective of Noise Levels, Annoyance and Related Health Risks in Urban Himalayan Landscape	Muzafar Zaman, Arshid Jehangir, Mohd Muslim	Department of Environmental Science, University of Kashmir	POSTER
62	EP-P-62	Activity-Based Estimation of Criteria Pollutant Emissions from Construction Equipment in the Kashmir Valley	Saiqa Nisar, Shah Ishfaq, Arshid Jehangir	Department of Environmental Science, University of Kashmir	POSTER
63	EP-P-63	Development of a Spatio-Temporal Emission Inventory of Commercial Eateries in Kashmir Valley	Aswah Manzoor, Shah Ishfaq, Arshid Jehangir	Department of Environmental Science, University of Kashmir	POSTER
64	EP-P-64	On-Road Vehicular Emissions in Srinagar: A Thorough Assessment	Sakeena Akhter, Shah Ishfaq, Arshid Jehangir	Department of Environmental Science, University of Kashmir	POSTER
65	EP-P-65	Microplastic Burden in Spring Waters and Freshwater Snails of Srinagar City	Iqra Rasheed, Mohd Sharjeel Sofi, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir	POSTER
66	EP-P-66	Air Pollution and its Impact on Public Health: A Comprehensive Analysis of Health Effects and Mitigation Strategies	Zainab Mushtaq	Department of Environmental Sciences, Govt. Degree College, Baramulla	POSTER
67	EP-P-67	Land-Use Driven Changes in Soil Biochemical Functioning in Temperate Himalayan Ecosystems	Aqib Zahoor, Shamsul Haq, Mumtaz Ahmad Ganie	Department of Environmental Science, University of Kashmir; Division of Soil Science, Wadura, SKUAST-Kashmir	POSTER
68	EP-P-68	Pollution Chronology and Diatom-Inferred Environmental Change in Ahansar Lake, Kashmir Himalaya, India	Wani Muneer, Arshid Jehangir, Sandhya Misra, Yadav Ankit, Ambili Anoop, Praveen K. Mishra	Dept. of Environmental Science, University of Kashmir; Birbal Sahni Institute of Paleosciences, Lucknow; Dept. of Earth and	POSTER

3-Day National Conference

Environment, Climate and Sustainability: Science, Policy and Pathways

Theme: Environmental Pollution

				Environmental Sciences, IISER Mohali; Wadia Institute of Himalayan Geology, Dehradun	
69	EP-P-69	Typha-Derived Biochar as a Sustainable Adsorbent for Efficient Methylene Blue Removal	Suhail Abdullah Malik	Desh Bhagat University	POSTER
70	EP-P-70	Inventory and Hydrochemical Characterization of Freshwater Springs in the Shopian District of Kashmir Himalaya	Muntazir Ahmad Thoker, Mohd Sharjeel Sofi, Sami Ullah Bhat	Alumni, Department of Environmental Science, University of Kashmir, Srinagar	POSTER
71	EP-P-71	Heavy Metal Toxicity through Dietary Intake: A Case Study of Selected Vegetables in Srinagar City, Kashmir	Iqrah Nazir, Shams Ul Haq	Department of Environmental Science, University of Kashmir, Hazratbal, Srinagar	POSTER
72	EP-P-72	Assessment of Sediment and Water Quality of Shallabugh Wetland - A Ramsar Site in the Kashmir Himalaya	Kifayat Bashir, Arshid Jehangir	Department of Environmental Science, University of Kashmir, Srinagar	POSTER
73	EP-P-73	Municipal Solid Waste and Public Health in Aligarh City: Environmental Pathways and Urban Sustainability Challenges	Yagini Chaudhary	Department of Geography, Aligarh Muslim University	POSTER
74	EP-P-74	Fungal Nano-Factories: Synthesis and Characterization of Silver Nanoparticles from Soil-Borne Fungus and their Anti-Microbial Potential	Insha Amin, Ruqeya Nazir	Microbiology Research Laboratory, Centre of Research and Development, University of Kashmir	POSTER
75	EP-P-75	Evaluation of Oxidative Stress and Biochemical Alterations Induced by Polyvinyl Chloride (PVC) Microplastics in Albino Rats	Shabeena Shareef, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir	POSTER
76	EP-P-76	Study of Pesticide Residues in Different Matrices of Wular Lake, Kashmir	Zareena Akhter, Sami Ullah Bhat, Shaheen Majeed Wani, Javid A. Sofi, Ishrat Jan, Alamgir A. Dar	Department of Environmental Science, University of Kashmir; Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST-K)	POSTER
77	EP-P-77	Dose-Dependent Effects of Foliar-Applied Zinc Oxide Nanoparticles on Growth, Photosynthetic Pigments and Antioxidant Defense of Mung Bean	Archna, Rachna Bhateria	Department of Environmental Sciences, Maharshi Dayanand University, Rohtak	POSTER
78	EP-P-78	Real-World Emission Factors of Gaseous Pollutants for Household Solid Fuel Combustion and their Mitigation Using Advanced Adsorbent Materials	Dharini Sahu, Shamsh Pervez	School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh	POSTER
79	EP-P-79	Interfacial Engineering in CoMn2O4/g-C3N4 Heterostructures for High-Performance Flexible Solid-State Supercapacitors	Mohd Suhail Chaudhary, Mohammad Zain Khan	Environmental Research Laboratory, Dept. of Chemistry, Aligarh Muslim University; Electrochemical Research Laboratory, Dept. of Industrial Chemistry, Aligarh Muslim University	POSTER
80	EP-P-80	Temporal Trends in Ambient Air Quality and their Linkage to Respiratory Health Outcomes: Evidence from the Rural Kashmir Valley (J&K)	Syeed Mudasir Mushtaq, Mubashir Jeelani, Akshi Goyal, Niyaz Ahmad Khan, Baba Uqab	Dept. of Environmental Sciences, SRM University, Delhi-NCR, Sonapat; Dept. of Environmental Sciences, Abdul Ahad Azad Memorial Degree College, Bemina, Cluster University Srinagar	POSTER
81	EP-P-81	Microplastic Invasion into the Himalayan Glacier of Indian Sub-Continent: Fresh Water Bodies Tell the Story	Mudasir Ahmad Tantray, Adil Gani, Asima Shah	Department of Food Science & Technology, Food Bioactive Lab, University of Kashmir, Srinagar	POSTER
82	EP-P-82	Inventory and Water Quality Assessment of Freshwater Springs of Tehsil Budgam, Kashmir	Zubair Hassan, Sami Ullah Bhat	Department of Environmental Science, University of Kashmir	POSTER
83	EP-P-83	Water Pollution and Ecological Imbalances: Kerala Context	Robinson Jose K	Associate Professor of History, University College, Thiruvananthapuram, Kerala	POSTER
84	EP-P-84	Membranes from Microbes: Bacterial Cellulose-Graphene Oxide Composite Membranes for Water Filtration	Ishfaq Showket Mira, Ali Riaz, Ludovic F. Duméec, Younès Messaddeq	National Institute of Scientific Research, Québec, Canada; Université Laval, Québec, Canada; Curtin University, Western Australia, Australia	POSTER
85	EP-P-85	Selective Recovery of Critical Metals from Spent LIB Black Mass: Emerging Hydrometallurgical Strategies and Process Integration Challenges	Inamul Haq	Jamia Millia Islamia, New Delhi	POSTER

Summary: 30 Oral presentations (O) and 55 Poster presentations (P); Total = 85 abstracts.

3-Day National Conference

Environment, Climate and Sustainability: Science, Policy and Pathways

Theme: Science Policy Interface

List of Oral Presentations

SERIAL NO.	CODE	TITLE	AUTHOR NAME	AFFILIATION	MODE OF PRESENTATION
1	SPSI-O-01	CITIZEN SCIENCE-LED PARTICIPATORY PATHWAYS FOR AVIFAUNA CONSERVATION: A STUDY OF EBIRD, MERLIN BIRD ID, AND XENO-CANTO DATA FROM JAMMU AND KASHMIR	Baasit Abubakr; Natiq Nabi; Gazifa Amin; Asra Wani; Fizza Afiffa; Hya Hussain Kira; Mutahir Rashid; Syed Ibad Rufai; Ubaid Malik	Centre For Design Your Degree, Institute of Technology Zakura Campus, University of Kashmir	Oral
2	SPSI-O-02	NET-NEGATIVE J&K: PATHWAYS FOR CLIMATE ACTION	Mahpara Muzammil; Majid Farooq	Department of Ecology, Environment and Remote Sensing, Bemina, Srinagar (J&K)	Oral
3	SPSI-O-03	BASILINE STUDY ON THE PERCEPTION OF LOCAL PEOPLE ON SOCIO-ECONOMIC AND ENVIRONMENTAL IMPACTS OF TOURISM IN GULMARG: A TOOL FOR SUSTAINABILITY ANALYSIS	Shazia Lone; R.G Jaybhye; Fayaz A. Lone	1Department of Environmental Science, Government Degree College (Women), Kupwara; 2Department Of Geography, SPPU, Pune; 3Government Degree College (Women), Kupwara	Oral
4	SPSI-O-04	CHALLENGES TO SUSTAINABLE RURAL LIVELIHOODS UNDER THE NATIONAL RURAL LIVELIHOODS MISSION (DAY-NRLM): A CASE STUDY OF DISTRICT BUDGAM, JAMMU AND KASHMIR	Sarafraz Ahmad; Shabnum Aara	Department of Social Work, University of Kashmir	Oral
5	SPSI-O-05	REFORMING GROUNDWATER GOVERNANCE: A LEGAL PATHWAY FOR CLIMATE-RESILIENT SUSTAINABLE DEVELOPMENT IN JAMMU AND KASHMIR	Ratul Dhiman	Department of Law, University of Jammu	Oral
6	SPSI-O-06	ENVIRONMENTAL STEWARDSHIP AND SUSTAINABILITY IN THE THOUGHT OF SEYYED HOSSEIN NASR: ADDRESSING CONTEMPORARY ECOLOGICAL CHALLENGES	Basit Parvaiz	Department of English Language and Literature, Islamic University of Science and Technology, Awantipora	Oral
7	SPSI-O-07	SPATIAL PATTERNS OF FEMALE WORK PARTICIPATION AND SOCIO-ECONOMIC DEVELOPMENT IN ALIGARH DISTRICT, UTTAR PRADESH	Gulafshan; Tariq M. Usmani; Ayesha Zainab; Waiza Khalid	Department of Geography, Aligarh Muslim University, Aligarh, Uttar Pradesh, India	Oral
8	SPSI-O-08	URBAN SPRAWL AND SUSTAINABILITY: A BIBLIOMETRIC SYNTHESIS OF ENVIRONMENTAL AND SOCIOECONOMIC IMPACTS	Ayesha Zainab; Md Naiyer Zaidy; Aaley Nabi; Baby Neehat	Department of Geography, Aligarh Muslim University, Aligarh, Uttar Pradesh, India	Oral
9	SPSI-O-09	LEARNING FROM THE ALPINE MODEL: A DETAILED STUDY OF THE SCIENCE-POLICY-SOCIETY INTERFACE (SPSI) IN SWITZERLAND AND INDIA	Shaikh Tanzeel Hussain; Javaid M. Dad	Department of Environmental Science, University of Kashmir, Hazratbal-190006	Oral
10	SPSI-O-10	BEYOND DREDGING: POLICY PATHWAYS FOR ECOSYSTEM-BASED RESTORATION IN KASHMIR'S WATERS	Arshi Tariq; Tasaduq H. Shah; Farooz A. Bhat; Syed Talia Mushtaq; Imtiyaz Qayoom; Nageena Nazir; Tariq Hussain Bhat	1Division of Fisheries Resource Management, Faculty of Fisheries, SKUAST-K; 2Division of Aquatic Environment Management, Faculty of Fisheries, SKUAST-K; 3Division of Agricultural Statistics, SKUAST-K; 4Division of Post-Harvest Technology, Faculty of Fisheries, SKUAST-K	Oral
11	SPSI-O-11	CLIMATE GOVERNANCE IN THE NORTHWESTERN HIMALAYAS: REVIEW OF POLICIES FOR SUSTAINABLE MOUNTAIN DEVELOPMENT	Muskaan Choudhary; Shamim Ahmad Shah; Adnan Hussain Lone	University of Kashmir, Dept. of Geography and Disaster Management	Oral
12	SPSI-O-12	INCLUSIVE AND SUSTAINABLE TOURISM IN KASHMIR: ACCESSIBILITY AND THE EXPERIENCES OF TOURISTS WITH DISABILITIES IN SRINAGAR	Sarafraz Ahmad; Shabnum Aara	Department of Social Work, University of Kashmir, Srinagar. 190006.	Oral

3-Day National Conference

Environment, Climate and Sustainability: Science, Policy and Pathways

Theme: Science Policy Interface

List of Poster Presentations

13	SPSI-P-13	PERCEPTIONS AND REALITIES TOWARDS MANAGEMENT OF DAL LAKE IN KASHMIR HIMALAYA	Sami Ullah Bhat; Umara Qayoom; Mohd Sharjeel Sofi; Shahid Ahmad Dar; Mika Sillanpa	1Department of Environmental Science, University of Kashmir, Srinagar, 190006, India; 2Department of Biological and Chemical Engineering, Aarhus University, Nørrebrogade 44, 8000 Aarhus C, Denmark; Department of Chemical Engineering, School of Mining, Metallurgy and Chemical Engineering, University of Johannesburg, P. O. Box 17011, Doornfontein 2028, South Africa	Poster
14	SPSI-P-14	SUSTAINABILITY ASSESSMENT OF ORCHARD SYSTEMS IN KASHMIR: A COMPARATIVE STUDY OF PESTICIDE USE, WATER USE EFFICIENCY, AND LAND USE IN CONVENTIONAL AND HIGH-DENSITY PLANTATIONS	Sadaf Akash; Parvaiz Ahmad	Department of Environmental Science, Sri Pratap College Campus, Cluster University of Srinagar, Jammu & Kashmir, 190001, India	Poster
15	SPSI-P-15	ECONOMIC ANALYSIS OF FISH FARMING IN DISTRICT ANANTNAG OF JAMMU AND KASHMIR	Mehwish Hameed; Shamsul Haq; Fahim Jeelani Wani	1Department of Environmental Science, University of Kashmir Srinagar-190006; 2Division of Agricultural Economics and Statistics, FAO Wadura, SKUAST-Kashmir-193201	Poster
16	SPSI-P-16	JAMMU & KASHMIR WETLAND INTELLIGENCE AND MONITORING SYSTEM: AN IOT, REMOTE SENSING AND GIS-BASED DASHBOARD FOR WETLAND HEALTH ASSESSMENT AND DECISION SUPPORT	Ubaid Yousuf; Majid Farooq	Department of Ecology, Environment and Remote Sensing, SDA Colony Bemina, Srinagar-190018	Poster
17	SPSI-P-17	ANTHROPOGENIC DRIVERS OF ENVIRONMENTAL TRANSFORMATION IN KASHMIR VALLEY: INTEGRATING SCIENCE INTO CLIMATE GOVERNANCE	Waseem Ashraf; Abhishek Anand; Ishita Sarkar	Regional Meteorological Centre, India Meteorological Department, MoES, GOI, Kolkata - 700008	Poster
18	SPSI-P-18	THE RHETORIC AND THE REALITY OF ECOTOURISM (POLICY) IN JAMMU AND KASHMIR	Munazzah Bilal; Zubair A Sheergujri; Mifta Ul Shafiq; Javid M Dad	1Department of Environmental Science, University of Kashmir, Srinagar 190006, India; 2Assistant Professor, Department of Geography, School of Sciences, Cluster University of Srinagar 190008, Jammu and Kashmir, India	Poster
19	SPSI-P-19	BLOCK-LEVEL INEQUALITIES IN WOMEN EMPOWERMENT: EVIDENCE FROM SELF-HELP GROUP MEMBERS IN RURAL WEST BENGAL (DAKSHIN DINAJPUR)	Limon Sarkar; Madiha; Ghulam Mustafa	Department of Geography & Disaster Management	Poster
20	SPSI-P-20	DUAL IMPACT OF SOCIAL MEDIA ON SOCIETY: EVIDENCE FROM DAKSHIN DINAJPUR DISTRICT, WEST BENGAL, INDIA	Ghulam Mustafa	Department of Geography and Disaster Management, University of Kashmir, Srinagar-190006	Poster
21	SPSI-P-21	EVALUATION OF ENVIRONMENTAL IMPACT ASSESSMENT OF HYDEL POWER PROJECT PAHALGAM ANANTNAG, JAMMU & KASHMIR INDIA	Naila Nabi; Abdul Rouf Farooqi	Department of Environmental Science, University of Kashmir, Srinagar, Jammu & Kashmir, India	Poster
22	SPSI-P-22	PUBLIC SECTOR REFORMS AND SUSTAINABLE DEVELOPMENT IN INDIA: CHALLENGES, OPPORTUNITIES, AND POLICY PATHWAYS	Mohd Aaqil	Aligarh Muslim University	Poster
23	SPSI-P-23	TRANSFORMING WASTE INTO SUSTAINABILITY: SCIENCE, GOVERNANCE, AND POLICY PATHWAYS FOR DISTRICT SRINAGAR	Ubad Hassan	Lovely Professional University, Punjab, India	Poster
24	SPSI-P-24	THE THENMALA ECOTOURISM MODEL: ECOLOGY, COMMUNITY ENGAGEMENT, AND SUSTAINABLE DEVELOPMENT IN THE WESTERN GHATS	Lekha Rani M.L.	Associate Professor and Head, Department of History, All Saints College, Thiruvananthapuram, Kerala University	Poster
25	SPSI-P-25	DIGITAL GOVERNANCE AND CLIMATE POLICY: REIMAGINING ENVIRONMENTAL GOVERNANCE IN JAMMU AND KASHMIR	Mohd Afzal; Syed Najiullah	Department of Public Administration, MANUU Hyderabad	Poster

Summary: 12 Oral presentations (O) and 13 Poster presentations (P); Total = 25 abstracts