

**National Conference on Global Perspective on Science and Technology for Sustainable Future
organized by NSCBM Govt. College Hamirpur (H. P.) in Collaboration with The Indian Science
Congress- Shimla Chapter
on
(21-22, September, 2023)
Abstract Number and List of Abstracts**

Abstract No.	Author (S) - (Dr. / Prof./ Mr./ Mrs. / Ms.), and Affiliation	Title of the Accepted Abstract
1	Krishan Lal Department of Zoology, NSCBM Govt. College Hamirpur (H. P.)	Avifauna in India: A Review
2	Dr Mala Sharma Department of Chemistry, Sidharth Govt. Degree College Nadaun, Distt.-Hamirpur (H.P.)	The Role of Food Security for Sustainable Future
3	Jagjit Singh Patyal Government College Bhoranj (Tarkwari) District Hamirpur (Himachal Pradesh) India -177025	Effect of Science and Technology on Culture and Ethics of the Society
4	Rakesh Kumar Department of Botany, Wazir Ram Singh Govt. College Dehri, (Kangra), H.P., India- 176022	<i>Spirulina</i> : The Superfood of the Future
5	Vikram Singh Thakur, Associate Professor, Department of Commerce, Sidharth Govt. College, Nadaun, District, Hamirpur (H.P)	A Study on Stress Management among College Teachers in Himachal Pradesh
6	Shyam Lal, Department of Hindi, GPGC Bilaspur, (HP)	Current Scenario of Information Technology in India : An Overview
7	Dr. Rajiv Kumar Associate Professor Zoology Government Degree College Sarkaghat	WILDLIFE CONSERVATION: ISSUES AND CHALLENGES
8	Viveka Nand Sharma	Factors Responsible for the Decline of House

	Assistant Professor of Zoology, Dr. S. Radhakrishnan Govt. Degree College Dharampur (Mandi), H.P.	Sparrows in Himachal Pradesh
9	<u>Sachin Sharma*</u> , Manisha Pandey & Prof. S. P. Joshi Eco-Taxonomy Research Laboratory, Department of Botany, D.A.V. (P.G) College, Dehradun, Uttarakhand-248001 [Hemvati Nandan Bahuguna Garhwal (A Central University) Srinagar, Garhwal, Uttarakhand, India]	A Study of the Biological Spectrum, Phenology, and Diversity of Ruderals and Agrestals Weeds in Moradabad District
10	Manisha Pandey, Sachin Sharma & Prof. S.P Joshi Eco-Taxonomy Research Laboratory, Department of Botany, D.A.V. (P.G) College, Dehradun, Uttarakhand-248001. [Hemvati Nandan Bahuguna Garhwal (A Central University) Srinagar, Garhwal, Uttarakhand, India.]	REGENERATION STATUS AND PHYTOSOCIOLOGICALSTUDYOFRAIPUR RANGE, GARHWAL HIMALAYA
11	Sandeep Kumar Department of Zoology, NSCBM Govt. College Hamirpur (H. P.), India	Threats to aquatic biodiversity: A review
12	Poonam Kumari Gautam ¹ and G. C. Rana ² 1. Department of Mathematics, Bahra University, Wagnaghat, Solan (H.P.) 2. Department of Mathematics, NSCBM, Govt. P. G. College, Hamirpur (H.P.)	NATURAL CONVECTION OF A NON-NEWTONIAN CASSON NANOFLUID SHEET IN HIGH POROSITY
13	Renu Bala Associate Professor, Govt college Solan H.P	Food Security for Sustainable Future: Challenges, Strategies and Solutions
14	<u>Prem Jeet</u> <u>Associate Professor</u> <u>Govt. College Bilaspur (HP)</u>	Information and Communication Technology: A Futuristic View
15	Dr. Gulshan Kumar Associate Professor Physics Govt. Degree College Baldwara, District Mandi H.P.-175033	Behavioral variations in role of Ozone in stratospheric and tropospheric layers in Atmosphere
16	Dr. Pradeep Singh Tomar Assistant Professor in Economics Government P.G. College Poanta Sahib, Distt. Sirmour H.P.173025	<u>IMPACT OF CLIMATE CHANGE ON THE INDIAN ECONOMY</u>
17	Dr. Naisergik Deepika Khanna ¹ and Dr. Anil Kumar ² Assistant Professor, Department of Chemistry, Govt. College Hamirpur ¹ , Govt. College Nadaun ²	UV-Visible Spectrophotometric Methods for the Cr(VI) Metal Ions Removal from the Synthetic water by Sugarcane waste
18	Dr Devender Singh ^{1*} , Dr Arvind Paul ² and Dr Banita Kumari Saklani ³ 1. Department of Zoology, Govt.	Avian Diversity of District Hamirpur in Special Reference to status of Pheasants

	<p>College Jukhala, Distt. Bilaspur (HP)</p> <p>2. Department of Geography, RKMV Shimla, Distt. Shimla (HP)</p> <p>3. Department of Botany, Vallabh Govt. College Mandi, Distt. Mandi (HP)</p>	
19	<p>Jyotsna</p> <p>Associate Professor, Department of Physics, NSCBM Govt. College Hamirpur (HP),</p>	Zero emission Electric Vehicles: Climatic and Environmental issues
20	<p>1. Alpana Sharma (Associate Professor)</p> <p>2. Pawan Kumar (Assistant Professor)</p> <p>Department of Economics NSCBM. Government College Hamirpur H.P</p>	Development and Environmental Conservation
21	<p>¹Samjeet Singh Thakur, ¹Hem Suman Jamwal, ²Dharmvir Singh,</p> <p>¹Assistant Professor, Chemistry, NSCBM Govt. College Hamirpur, Himachal Pradesh</p> <p>²Associate Professor, Chemistry, RGM Govt. College, Joginder Nagar, Himachal Pradesh</p>	Role of Artificial Intelligence in Medicinal Chemistry
22	<p>Dr. Amarjit Lal Associate Professor of Sociology, NSCBM Govt. college Hamirpur (HP) India</p>	Science, Culture, and Ethics in Society: A Comprehensive Analysis
23	<p>Sanjay Chauhan</p> <p>Assistant Professor in Zoology, Department of Zoology, NSCBM GC Hamirpur HP India.</p>	Vermicomposting - A Reveiw
24	<p>Bikram Singh^a and Shilpa Sood^a</p> <p><i>^aDepartment of Mathematics and Statistics, Career Point University, Hamirpur, Himachal Pradesh-176041, INDIA</i></p>	HYBRID NANOFUID APPLICATIONS IN SCIENCE AND TECHNOLOGY: A REVIEW
25	<p>Ms Apoorva Thakur</p> <p>Assistant Professor, English NSCBM Govt. College Hamirpur(H.P.)</p>	Human Greed in the Anthropocene: A Study of Amitav Ghosh's <i>The Living Mountain</i>
26	<p>Dr. Satish Soni</p> <p>Associate Profession Govt. Degree College, Hamirpur (HP)</p>	ROLE OF ICT IN E-COMMERCE BUSINESS EMERGING
27	<p>Lavli Rana¹ ,Sandesh Kumari ²</p> <p>¹Assistant Professor, Dept. of Physics,</p>	FRACTIONAL-ORDER FILTERS FOR FUTURE

	GC Hamirpur, Himachal Pradesh ² Assistant Professor, Dept. of Management Studies, GC Hamirpur, Himachal Pradesh	COMMUNICATION DEVICES
28	Monika Puri Research Scholar Career Point University, Hamirpur (HP)	MULTI-COMPONENT ANALYSIS OF SOME IMPORTANT CATEGORIES OF ANTI-HYPER DRUGS BY USING RP-HPLC METHOD
29	Neelam Kumari Associate Prof. of Physics Govt. College Hamirpur (H.P)	Solar Cells- A Premier Source of Green Energy for Sustainable Development
30	Kanchana Devi Ph.D. Research Scholar Career Point University Kota, Rajasthan	Environmental Corporate Social Responsibility: A Study of Cement Industry in India
31	<i>Shakti Chand</i> <i>Assistant Professor Dept. of Commerce</i> <i>RNT Govt. Degree College Sarkaghat</i>	E-Banking in India: Present Status, Challenges and Opportunities
32	Sudama Ram, Associate Professor Government College Jukhala District Bilaspur Himachal	Anthropogenic Activities And Environmental Degradation: An Overview
33	Sakshi Dhiman ¹ , Asha kumari ² , Rahul Sharma ³ Department of Chemistry, Career Point University Hamirpur (H.P.) India (176041)	"Aegle marmelos mediated biosynthesis of ZnO nanoparticles using Microwave method for enhanced Photocatalytic applications"
34	Anjali Kumari ^{1,2} , Savita Soni ^{1,2} , Ajay Sharma ^{1,2*} ¹ Department of Chemistry, Career Point University, Tikker-Kharwarian, Hamirpur, Himachal Pradesh 176041, India. ² Centre for Nano-Science and Technology, Career Point University, Tikker - Kharwarian, Hamirpur, Himachal Pradesh 176041, India	Fe-based layered double hydroxide: Synthesis and Characterization
35	Shweta Kaushal ^{*ab} , Kuldeep Kumar ^{*ab} ^a Department of Chemistry, Career Point	Synthesis and Characterization of <i>Citrus</i>

	University, Bhoranj (Tikker-Kharwarian), Hamirpur, Himachal Pradesh, 176041, India ^b Center for Nano-Science and Technology, Career Point University, Tikker-Kharwarian, Hamirpur, Himachal Pradesh, 176041, India	<i>limon</i> mediated Ce and Zn doped CuO Nanoparticles
36	Kashama Sharma ^{a,b} , Rahul Sharma ^{a,b} , Asha Kumari ^{a,b*} ^a Department of Chemistry, Career Point University Bhoranj, (Tikker - Kharwarian), Hamirpur, MDR 35, Himachal Pradesh 176041, India ^b Centre of Nano Science & Technology, Career Point University, Bhoranj, (Tikker - Kharwarian), Hamirpur, MDR 35, Himachal Pradesh 176041, India	"Aegle marmelos-Assisted CuO Nanoparticles: Exploring Their Versatility in Environmental Applications"
37	¹ Dr. Mohinder Kumar and ² Dr. Sandeep Kumar ¹ Associate Professor in Chemistry, Govt. College Bhoranj (Tarkwari), Hamirpur, H.P., India ² Assistant Professor of Geography, Govt. College Bhoranj (Tarkwari), Hamirpur, H.P., India	Global Warming and Climate Change: A Critical Review
38	Dr Bhanu Priya Assistant Professor, BBA Department NSCBM Govt. Degree College Hamirpur	A Study on Job Stress of Banking sector Employees; An Empirical Analysis to PNB Solan District, H.P.
39	Dr. Sangeeta Singh Associate Professor of English NSCBM Govt. College Hamirpur	Vandana Shiva's Environmental Legacy: Pioneering the Conservation of Ecology and Biodiversity in the Modern Era
40	Tej Singh Verma, Associate Professor of Mathematics, RNTGC Sarkaghat Distt. Mandi HP)	Developing Scientific Attitude
41	Shashi Sharma Associate Professor, Department of Chemistry N.S.C.B.M. Govt College Hamirpur	Pollution, Global Warming And Climate Change
42	Dr .Ratan C Sharma	THE FURY OF NORTH-WEST MONSOON IN

	Associate Professor in chemistry NSCBM Govt College Hamirpur	<u>HIMACHAL PRADESH</u>
43	Sunita Saklani: Department of Zoology, Sidharth Govt. Utkrisht College Nadaun, District Hamirpur Himachal Pradesh, India.	Constraints in Beekeeping in Himachal Pradesh.
44	Vijay Kumar Associate Prof, Dept. of Zoology NSCBM Govt. College Hamirpur (H.P)	Man Made Environmental Challenges in India
45	DR. UTTAM KUAMR SHARMA, ASSISST. PROFESSOR IN POLITICAL SCIENCE, GOVT. DEGREE COLLEGE, HAMIRPUR (H.P.)	NATIONAL INTEGRATION THROUGH SCIENCE AND TECHNOLOGY
46	Babita Suman* and Sunil Pathak** *Assistant Professor of Botany, Govt. College, Hamirpur,H.P. **Assistant Professor of Botany, Govt. College, Barsar, H.P.	Ethnomedicinally important Pteridophytes of district Hamirpur, Himachal Pradesh, India
47	Bhagwati Prashad Sharma Department of Botany, Sidharth Government college Nadaun, Himachal Pradesh, India	Study on Ethnomedicinal importance of grasses in Kangra District of Himachal Pradesh, India
48	Dr. Leena Sharma ¹ , Rohini Rana ² , Dr. Anju ³ 1. Assistant Professor in Zoology, Govt. College Daulatpur Chowk, Distt. Una, Himachal Pradesh 2. Assistant Professor in Botany, Govt. College DaulatpurChowk, Distt. Una, Himachal Pradesh 3. Assistant Professor in Physical Education, Govt. College Daulatpur Chowk, Distt. Una, Himachal Pradesh	Agricultural Extension Services in Himachal Pradesh-Status and Impact on Livelihood
49	Rakesh Kumar Assistant Professor Dept. of Political Science RNT Govt. Degree College Sarkaghat Distt. Mandi (H.P)	Role of Technology in Stress Management at Modern Workplace
50	Ruchi Sangal, Sidharth Govt. Degree College, Nadaun , Distt. Hamirpur (H. P.) Anjna Kumari, Assist. Professor, NSCNM Govt. College, Hamirpur (H. P.)	Bioaccumulation of heavy metals by earthworm species in contaminated soils: An Overview
51	Dr. Bihari Lal Asso. Prof. of Economics, Govt. College Jhandutta Distt. Bilaspur (H.P.)	ENVIRONMENTAL SUSTAINABILITY AND ECONOMIC GROWTH
52	Dr. Monika Panchani Associate Professor, Department of Zoology, VGC Mandi	Utilization of Biomass as Renewable Energy Source
53	Mr. Naresh Kumar* Assistant Professor in Commerce, NSCBM Government College Hamirpur (Himachal Pradesh)	Impact of BPL Welfare Programs for Sustainable Development of BPL Families

54	Sita Ram Associate professor (Pol. Sc.) SVGC Ghumarwin	Food Security For Sustainable Future
55	Dr. Pawan Kumar Verma, Associate Professor, Dept. of Physical Education, G.C.Hamirpur (H.P.)	Modern health problems and their prevention
56	Sanjay Kango and G. C. Rana Department of Mathematics, NSCBM Govt. College, Hamirpur (HP)	Importance of Mathematics in Space Sciences
57	Dr. Sapana Kumari Assistant Professor, Department of Chemistry, NSCBM Govt. Degree College Hamirpur,	Role of Science and Technology in Disaster Management
58	Aishwarya Sharma ¹ and Shailja Kumari ¹ ¹ Division of Zoology, Department of Biosciences, Career Point University, Hamirpur-176041, Himachal Pradesh, India	Microplastic degradation by <i>Amyynthascorticis</i> species of earthworm
59	Dr. Rohit Sandal, Suresh Kumar, Parshant Sharma Assistant Professor, Department of Physics	The Recent Trends in Optical Fiber Communication
60	Satish Kumar, Associate Professor (Physics) Govt. College Jhandutta Distt. Bilaspur (H.P.)	Leveraging Science and Technology in Higher Education: A Transformative Paradigm Shift
61	DR. BALBIR CHAND, ASSISTANT PROFESSOR MUSIC (INS.), GOVT. COLLEGE JHANDUTTA BILASPUR (HP)	GLOBAL WARMING AND ITS IMPACTS ON INDIA.
62	Ranjeet Singh Associate Professor Department of Chemistry Govt. P.G. College Bilaspur H.P	EFFECTS OF ENVIRONMENT POLLUTION AND CLIMATE CHANGE ON BIODIVERSITY
63	Vanshika Sharma ¹ , Shailja Kumari ¹ , Dharam Singh ² ¹ & *Division of Zoology, Department of bio-sciences, Career Point University, Hamirpur-176041 ² Division of biotechnology, CSIR-IHBT Palampur-176062, Himachal Pradesh	Study on microbial degradation of synthetic dyes
64	Sandeep Kumar and Nitika Chaudhary* Department of Zoology, NSCBM Govt. College Hamirpur (H. P.), India	Change in Climate, Environment and its impacts on humanity: An overview

	Department of Botany, NSCBM Govt. College Hamirpur (H. P.), India*	
65	Neha Thakur ^a , Indu Sharma ^{a*} ^a Department of Physics, Career Point University, Hamirpur (H.P.)	Structural and Magnetic Properties of Nickel doped Barium M-type hexaferrites
66	Pawan Kumar , Assistant Professor, Department of Mathematics, NSCBM Govt. College Hamirpur	Role of Science and Technology
67	Dr. Surinder Singh Associate Professor in Economics Government Degree College Bilaspur District Bilaspur, Himachal Pradesh	NATURE, EXTENT, AND PATTERN OF MIGRATION ACCORDING TO REGION AND RESIDENCE IN HIMACHAL PRADESH

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Program Schedule

Day 1 (21st Sep. 2023)

Activity	Time
Registration (Room No. 122)	9:00 AM- 10:00 AM
Inaugural Function Welcome Address: Patron-cum- Principal Dr. Pramod Patial GC Hamirpur (H.P.) Concept Note: Convenor- Dr. Krishan Lal GC Hamirpur (H.P.) About ISCA: Convenor -ISCA Shimla Chapter Sh. KK Sharma Shimla Address by Chief Guest: Prof. (Dr.) S. Ramakrishna Former General Secretary (Membership Affairs, ISCA Kolkata) Bangalore Keynote Address: Prof. (Dr.) Arvind K. Bhatt HPU Shimla Vote of Thanks: Prof. (Dr.) Neeraj Sharma Former Convenor -ISCA Shimla Chapter	10:00 AM -1:00 PM
Lunch	1:00 PM – 2:00 PM
Technical Session 1 Conference Hall –II (Room No. 129) Chairperson(s) Prof. (Dr.) Neeraj Sharma Shimla Mr. Sunil Pathak, GC Barsar Technical Facilitator: Mr. Sushil Kumar GC Hamirpur Oral Presentations of Abstracts No. 1 to 22	2:00 PM – 4:00PM

Technical Session 2 Room No. 242 (Science Block) Chairperson(s) Dr. Rakesh Kumar, GC Dehri Ms. Alpana Sharma, GC Hamirpur Technical Facilitator: Mr. Pankaj Kumar GC Hamirpur Oral Presentations of Abstracts No. 23 to 44	2:00 PM – 4:00 PM
Program Schedule	
Day 2 (22nd Sep. 2023)	
Activity	Time
Plenary Lecture Dr. Sunil Katoch Associate Professor GC Palampur (H. P.)	10:00 AM -10:40 AM
Tea Break	10:40 AM – 11:00 AM
Technical Session 3 Conference Hall –II (Room No. 129) Chairperson(s) Dr. Gulsan Kumar, GC Baldwara Mr. Sudama Ram, GC Jukhala Technical Facilitator: Mr. Sushil Kumar GC Hamirpur Oral Presentations of Abstracts No. 45 to 68	11:00 AM -1:00 PM
Technical Session 4 Room No. 242 (Science Block) Chairperson(s) Dr. Mohinder Guleria, GC Bhoranj Dr. Bihari Lal, GC Bilaspur Technical Facilitator: Mr. Pankaj Kumar GC Hamirpur Research Methodology Lecture by Mr. Sunil Pathak Oral Presentations by M. Sc. Zoology 3rd sem. Students	11:00 AM -1:00 PM
Lunch	1:00 PM -2:00 PM
Poster Presentations by M. Sc. Zoology 1st Sem. Students In Zoology Department Chairperson(s) Dr. Rajiv Rana, GC Sarkaghat Dr. Satish Kumar, GC Jhandutta	2:00 PM -2:30 PM
Valedictory Function Conference Hall –II (Room No. 129)	2:30 PM -3:30 PM
High Tea	3:30 PM -4:00 PM