

# Accepted Abstracts

International Conference “Recent Trends and Innovations for A Greener Future”  
Govt. College Hamirpur, February 9-10, 2024

Dear Participants,

Warm greetings from the Organizing Team of the International Conference.

We would like to express our deep appreciation for your submission of abstracts for the upcoming International Conference, scheduled to be held on February 9-10, 2024. We are pleased to inform you that following **112** abstracts has been accepted by the organizing committee till **4<sup>th</sup> Feb 2024**.

E Registration is mandatory for all participants (Ignore if already done).

Registration link

<https://forms.gle/zv49fCpjFFJkDoLW6>

Thanks & Best regards,

Organizing Team

S.No.	Abstract No.	Paper Title	Author	Institutional Address
1	OP 1	Impact of Climate Change and Global Warming	Neena	Department of Chemistry,RGGDC Chaura Maidan, Shimla, Himanchal Pradesh, India - 171004
2	OP 2	Potential of Algae for a Greener Future	Rakesh Kumar	Department of Botany, Wazir Ram Singh Govt. College Dehri, (Kangra), H.P., India-176022
3	OP 3	Green Polymers for Sustainable Development: A Comprehensive Exploration	Dr Suresh Kumar	Associate Professor, Department of Chemistry, Govt. College Una, Himachal Pradesh, 174303
4	OP 4	Fish Fauna of Himalayas: An Overview	Krishan Lal	Department of Zoology, NSCBM Govt. College Hamirpur (H. P.)
5	OP 5	A Volumetric and	Richa Sharma,Suva	<sup>1</sup> Department of Chemistry, Career P

		Compressibility Analysis of Cationic Surfactant (CTAB) in Aqueous Solutions of Anti-HIV Drugs Across Varied Temperatures	Chauhan and Kulde Kumar	University, Hamirpur (H.P.) India-17 <sup>2</sup> Department of Chemistry, Himachal Pradesh University, Shimla (H.P.) India-171005
6	OP 6	Green Hydrogels for a Sustainable Environment	Dr. Manju Kumari	Asstt. Professor, Department of Chemistry, Govt. College Sarkaghat, Distt. Mandi, (H.P.)
7	OP 7	Breakthroughs in Nanoscience and Technology	Jyotsna	Associate Professor, Department of Physics, NSCBM Govt. College Hamirpur (HP)
8	OP 8	National Policies for Protection of Environment and Sustain Development	Amit Kumar	Department of Chemistry, Govt. College Bilaspur HP
9	OP 9	Analysis Of Impact Of Industrial Pollution On Our Society And Environment	Dr. Ina Rani	Assistant Professor Commerce, Government College Barotiwala, District Solan (HP)
10	OP 10	Role of Information and Communication Technology in Sustainable Development	Dr. Gourav Mahajan	Assistant Professor (Education) Govt. College Dharamshala
11	OP 11	THERMAL DECOMPOSITION OF MIXED-METAL ACETATO-ISOPROPYLPHEOXIDE [MNb <sub>2</sub> (OAc) <sub>2</sub> (OC <sub>6</sub> H <sub>4</sub> Pr <sup>i</sup> -2/4) <sub>10</sub> ] (M = Cd, Pb) TO OXIDES	Dr Mala Sharma	Department of Chemistry, Sidharth Govt. Utkrisht College Nadaun, Distt.-Hamirpur (H.P.)
12	OP 12	Renewable Energy: "A Comprehensive Analysis of Technologies, Challenges, and Opportunities"	Rakesh Rathore and Hemant Pal	Associate Professor, Government Degree College Chamba (H.P.), PIN - 176310
13	OP 13	ECOLOGICAL SECURITY & AGRICULTURE- A OVERVIEW	Dr. Ratan C Sharma	Associate Professor, NSCBM Govt Degree College, Hamirpur (H.P.)
14	OP 14	Synthesis routes of doped nickel ferrite nanoparticles: A review	Seema Kumari	Department of Chemistry, Govt College Nadaun, Hamirpur, Himachal Pradesh, India
15	OP 15	Nanotechnology: A step towards Green Future	Dr. Krishna Sharma	Department of Chemistry, Maharana Pratap Govt. College Amb, Distt.,

				Una, HP-177203
16	OP 16	Deciphering the Structural Dynamics of SMN1 Protein: A Computational Exploration for Functional Revelation	Pankaj Bagga, Sudhakar Singh, Gobind Ram	<sup>1</sup> School of Bioengineering & Biosciences, Lovely Professional University, Jalandhar Punjab 144411. <sup>2</sup> PG Department of biotechnology, Lyallpur Khalsa College, Jalandhar, Punjab. 144001.
17	OP 17	Vacancy Disorder in Quaternary Heusler alloy	Dr. K. Seema	Assistant Professor, Department of Physics, Wazir Ram Singh Govt. College Dehri, Kangra, H.P.
18	OP 18	Interaction Between Frugivorous Birds and Medicinal Plants: A Case Study in Temple Town Jawalamukhi in District Kangra of Himachal Pradesh, India	Bhagwati Prashad Sharma and Sunita Saklani	Department of Botany <sup>1</sup> ; Department of Zoology <sup>2</sup> Sidharth Government College Nadaun, Himachal Pradesh, India <sup>1&amp;2</sup>
19	OP 19	SYNTHESIS, CHARACTERISATION AND PHOTOCATALYTIC ACTIVITY OF FALKALI DOPED COBALT FERRITE NANOPARTICLES	Shaweta Chandel and Kuldeep Kumar	<sup>1</sup> Assistant Professor, Department of Chemistry, Govt. College Kullu(H.P.),175101, India <sup>1*</sup> Department of Chemistry, Career Point University, Hamirpur(H.P.), 176041, India
20	OP 20	Harvest Technology : A Review	Dr. Ratan Chand Sharma and Ms. Neelam Sharma	<sup>1</sup> Associate Professor , Govt. College Hamirpur (H.P.) <sup>2</sup> Associate Professor, Govt. College Dhaneta, Distt. Hamirpur (H.P.)
21	OP 21	Developments in Super capacitors for high energy applications	Dr. Gulshan Kumar	Associate professor Physics, Govt. Degree College Baldwara, district Mandi, H.P.175033
22	OP 22	Comparative Studies of Kinetic Parameters of Pristine and Biodegraded Polypropylene grafted Dextrin Copolymers Using Thermogravimetric Analysis.	Dr. Naisergik Deepika Khanna and Dr. Anil Kumar	<sup>1</sup> Assistant Professor, Department of Chemistry, Govt. College Hamirpur (H.P) <sup>2</sup> Assistant Professor, Department of Chemistry, Govt. College Nadaun (H.P)
23	OP 23	An overview of aquatic insects diversity in Himachal Pradesh, India	Dr. Sandeep Kumar	Department of Zoology, NSCBM Govt. College Hamirpur (H. P.), India
24	OP 24	Harmful Impact of Pesticides on Biodiversity	Dr. Godawari	Department of Chemistry, GDC Dhama at 16 Miles, Shimla -171014
25	OP 25	Investigating Ternary Aqueous 1-Ethyl-3-methylimidazolium	Dr. Sapna Rana	* Department of Chemistry, Thakur Jagdev Chand Memorial 'Uttkrish' Govt. College Sujanpur

		Trifluoromethanesulfonate Solutions of LiI and LiClO <sub>4</sub> for Inter-Molecular Interactions from Density and Acoustic Studies.		
26	OP 26	Pine needles and polyethyleneimine based polymer composite as an adsorbent for anionic dyes	<u>Nitika Gupta</u> , Babita Kumari and Sandeep Chauhan	<sup>1</sup> Rajiv Gandhi Govt. College Chaura Maidan, Shimla, Himachal Pradesh, India-171004. <sup>2</sup> Department of Chemistry, Himachal Pradesh University, Summerhill, Shimla, Himachal Pradesh, India-171005
27	OP 27	Metagenomics by e-DNA revealing microbiome of Baner stream.	Bhavna and Rakesh Kumar	<sup>1</sup> Department of Zoology, Govt. Degree College Shahpur <sup>2</sup> Department of Animal Science, Central University of Himachal Pradesh Dharamshala, H.P
28	OP 28	Plants-Nature's Green Potential	Dr. Rajeev Rattan	Associate Professor Chemistry Govt. College Haripur Guler (Kangra) HP
29	OP 29	Synthesis and Characterisation of cellulose and its Graft Copolymers with Styrene (STY.) and Acrylonitrile (AN) Extracted from Pine Needles by radiation induced method.	Dr Lalit Kumar Guleria	Associate Professor Chemistry, Government College Solan, Himachal Pradesh 173212
30	OP 30	Investigating the Adaptable Nature of <i>Aegle marmelos</i> -Mediated Chitosan Biopolymer-Coated Copper Oxide Nanocomposites for Varied Environmental Application	Kashama Sharma	Ph.D. Research Scholar, Department of Chemistry, School of Basic & Applied Sciences Career Point University Hamirpur, Bhoranj (Tikka-Kharwarian), Hamirpur, [H.P]-176041, India
31	OP 31	Endangered Earth from Only Species	Mr. Vinod Chand	Assistant Professor, Department of Public Administration, NSCBM G. C. Hamirpur (H.P.)
32	OP 32	Computational analysis of the involvement of JAK-STAT in Pathogenesis of Sjogren Syndrome	<u>Yadvindra singh</u> <sup>1</sup> Chander Parkash <sup>1*</sup> Gobind Ram <sup>2*</sup>	<sup>1</sup> Department of Life science, IK Gujral Punjab Technical University, Jalandhar, Punjab, 144603 <sup>2</sup> Post Graduate Department of Biotechnology, Lyallpur Khalsa College, Jalandhar, Punjab.
33	OP 33	Phytochemical Profiling and Antioxidant Potential of the Threatened Epiphytic Orchid: <i>Aerides multiflora</i> Roxb.	Anukriti, Jitender Kumar*	Department of Plant Sciences, School of Life Sciences, Central University of Himachal Pradesh, Shahpur, Kangra, 176206, India

34	OP 34	Phytochemical Screening and GC-MS Analysis of an endangered epiphytic orchid: <i>Aerides multiflora</i> Roxb.	Kajal Choudhary, Jitender Kumar*	Department of Plant Sciences, School of Life Sciences, Central University of Himachal Pradesh, Shahpur, Kangra, 176206, India
35	OP 35	Phytochemical evaluation and Antioxidant activity of an Endangered Epiphytic Orchid: <i>Rhynchostylis retusa</i> (L). Blume	Shelja <sup>1</sup> , Jitender Kumar <sup>2*</sup>	<sup>1</sup> Research Scholar, Department of Plant Sciences, Central University of Himachal Pradesh <sup>2</sup> Assistant Professor, Department of Plant Sciences, Central University of Himachal Pradesh
36	OP 36	Water resources and rural security: A review	<sup>1</sup> Dr Sanjay Gupta and <sup>2</sup> Rajesh Kumar	<sup>1</sup> Associate Professor, Govt.College Palampur (HP) <sup>2</sup> Assistant professor, Govt. College Hamirpur (HP)
37	OP 37	Magnetically Guided Revolution: Multifunctional Iron Oxide Nanoparticles Paving the Way for Biomedical Breakthroughs	Shveta Sharma	Department of Chemistry, Government College Una, Affiliated to Himachal Pradesh University, 174303, India
38	OP 38	Crop waste management by biochar-based lanthanum ferrite nanocomposite derived from agronomic materials	Anita Kumari	IEC University Baddi Solan (INDIA)
39	OP 39	Evaluation of geographical impacts on Podophyllotoxin concentrations in roots of <i>Podophyllum Hexandrum</i> and yield enhancement using precursors and elicitors: A Green LC-MS/MS Method	Dr. Anil Kumar Dr. Vijay Kumar	<sup>1</sup> Assistant Professor, Department of Chemistry, Govt. College Nadaun (H.P) <sup>2</sup> Associate Professor, Department of Botany, Govt. College Hamirpur (H.P)
40	OP 40	COMPARATIVE STUDY OF HYDROCHEMISTRY OF GROUNDWATER FOR DRINKING AND IRRIGATION PURPOSE AND WATER QUALITY INDEX IN SOME AREA OF CHOHTAN TEHSIL IN BARMER DISTRICT	Dr. Sangeeta Parihar	Assistant Professor, Department of Chemistry, Jai Narain Vyas University Jodhpur

		OF RAJASTHAN (INDIA)		
41	OP 41	Phytochemical and Nutritional Aspects of Wild Edible Plants from Shivalik Hills of Himachal Pradesh	Ruchika Devi, Nitesh Kumar*	Department of Biosciences, Himachal Pradesh University, Shimla, H.P.- 171005
42	OP 42	An Assessment of Phytochemical and Nutraceutical Aspects of Wild Edible Plant <i>Ceropegia bulbosa</i> from Forests of Bilaspur District, H.P.	*Nitesh Kumar, Ruchika Devi, Neha Thakur	Department of Biosciences, Himachal Pradesh University, Shimla, H.P.- 171005
43	OP 43	Harnessing Nature's Pharmacy: Phytochemicals from Medicinal Plants as Potential Therapeutics for Alzheimer's Disease	*Subham Kapil, **Pankaj Bagga, **Punit Puri	P.G Department of Zoology, DAV College Jalandhar, Punjab.144008
44	OP 44	Polymer-Surfactant Systems for a Greener Future	Dr. Ram Singh	Assistant Professor Chemistry JLN Govt. College Haripur (Manali)
45	OP 45	Environment and it's Conservation	Mr. Ranjeet Singh	Associate Professor, Department Chemistry, Govt. College Bilaspur
46	OP 46	ENVIRONMENTAL GOODS AND SERVICE SECTORS	Alpana Sharma	Associate Professor, Dept. Of Economics, NSCBM Govt. PG College, Hamirpur (HP)
47	OP 47	Nanoparticles, synthesis, and their applications	Dr. Maninder Kaur and Yogesh Kumar	Research Scholar, APG University Shimla
48	OP 48	Development and Validation of Analytical method for analysis of Antihypertensive Drug Rosuvastatin Calcium using RP-HPLC Method	Monika Puri	Assistant Professor, Deptt. Of Chemistry, NSCBM Govt. College, Hamirpur (HP)
49	OP 49	Sustainable Escapes: Exploring the World of Green Tourism	<sup>1</sup> Dr. Vikas Rana, <sup>2</sup> Surender Kumar	<sup>1</sup> Assistant Professor, Department of English, Th.J.C.M. Govt. Utkrisht College Sujampur Tihra <sup>2</sup> Assistant Professor, Department of Geography, Government College Dhaliara Kangra
50	OP 50	EVALUATION AND FEASIBILITY OF WEED BIOCHAR FOR ENVIRONMENTAL APPLICATIONS	Dr. Poonam Poonia <sup>1*</sup> , Loveena Gaur <sup>1</sup>	<sup>1</sup> Department of Zoology, Jai Narain Vyas University, Jodhpur (342011), Rajasthan, India.

51	OP 51	Synthesis, characterization and evaluation of pegylated-citric acid based dendrimers as drug delivery agents	Avtar Chand	Ph.D Research Scholar, Department of Chemistry, NIT Hamirpur
52	OP 52	A Review of Advances in Sustainable and Green Extraction Techniques for Bioactive Natural Products	Sushila Sharma	Govt. Degree College Shahpur
53	OP 53	Vitrimers in 3D printing	Ankit Sharma	Ph.D Research Scholar, Department of chemistry, NIT Hamirpur
54	OP 54	A REVIEW ON BIOGENIC SYNTHESIS, CHARACTERISATION AND APPLICATIONS OF Cu NANOPARTICLES	Dr. Ram Lal Saini and Suman Gadhwal*	Department of Chemistry, Jai Narain Vyas University, Jodhpur
55	OP 55	PROPERTIES OF <i>TEPHROSIA PURPUREA</i> BIOCHAR PRODUCED BY SLOW PYROLYSIS	Dr. Poonam Poonia, Leena Chaudhary, Anjubala	<sup>1</sup> Department of Zoology, Jai Narain Vyas University, Jodhpur (342011), Rajasthan, India.
56	OP 56	Future Prospective in Nuclear Technology	Dr. Rohit Sandal, Suresh Kumar, Parshant Sharma	Assistant Professor, Department of Physics, NSCBM Govt. College Hamirpur-177005
57	OP 57	Environmental Goods and Services Sectors: Navigating Sustainable Development	Satish Kumar	Associate Professor (Physics), Govt. College Jhandutta, Distt. Bilaspur (H.P.)
58	OP 58	Antibacterial Activity of Tin(II) Phenoxides	Dr. Kumari Bandna	Govt. P.G College Nalagarh (H.P) India
59	OP 59	Himachal Pradesh State Water Policy and the ClimateChange Perspective Therein: A Review	Dr. Ritu Sharma Soni,	Associate Professor, Department of Public Administration, Govt. Degree College Solan 173211
60	OP 60	Role of Nano Science for a Greener Future: An Overview	Priyanka Sandal	Assistant Professor, Department of Physics, JC DAV College, Dasuya, Punjab-144205, India
61	OP 61	Cultivating Harmony in the Himalayas- A Permaculture Approach to Livelihoods in the Great Himalayan National Park Conservation Area	Vishal Chaudhary	Research Scholar, IVS Tourism, HPU, Summerhill, Shimla (HP)
62	OP 62	Evaluating and Validating	<sup>1</sup> Shivali Sharma,	PG Department of Zoology, DAV College Jalandhar, Punjab,

		the Functional Impact of Ayurveda in the Care of Individuals with Thalassemia: A Review	<sup>2</sup> Pankaj Bagga, <sup>2</sup> Punit Puri	India.144008 <sup>1</sup> Presenting Author: Shivali Sharma
63	OP 63	Harnessing Shopping Tourism for Environmental Sustainability in India	Hitesh Bhardwaj	Research Scholar, I.V.S (Tourism) Himachal Pradesh University, Shimla, Himachal Pradesh, India
64	OP 64	Biodiversity and Conservation of Orchids in Himalayan Region	Jitender Kumar	Assistant Professor, Department of Plant Sciences, School of Life Sciences, Central University of Himachal Pradesh, Kangra, 176206, India
65	OP 65	Assessment of Lakes, Rivers and Rivulets Water Quality in Himachal Pradesh, India: A Comprehensive Review	Ravinder Dogra <sup>1*</sup> ; Nizamul Haque Ansari <sup>2</sup> and Samjeet Singh Thakur <sup>3</sup>	<sup>1,2</sup> Department of Physical Sciences, Sant Baba Bhag Singh University, Village Khiala, P. O. Padhiana, Distt. Jalandhar (Punjab)-144030 <sup>3</sup> Assistant Professor, Chemistry, NSCBM Govt. College Hamirpur, Hamirpur, Himachal Pradesh - 177005
66	OP 66	A sustainable and innovative approach for green and clean Western Himalayas	Ishani	BSc Zoology, Final Year, PSR Govt. College, Baijnath, District Kangra (HP) India
67	OP 67	Green synthesis of Iron oxide nanoparticles using <i>Calotropis procera</i> leaves and their applications	Pooja kumari <sup>1</sup> , Shilpa Kumari <sup>2,3</sup> , Rahul Sharma <sup>2,3*</sup>	<sup>1</sup> Department of Chemistry, Government College Bhoranj(Tarkwari) Hamirpur, Himachal Pradesh, India, 176025 <sup>2</sup> Department of Chemistry, Career Point University, Bhoranj (Tikker - Kharwarian), Hamirpur, MDR 35, Himachal Pradesh, India, 176041 <sup>3</sup> Centre for Nano-Science & Technology, CPU, Hamirpur, Himachal Pradesh, India, 176041
68	OP 68	Sensing in aqueous medium: A review	Dr. Preeti Saluja	Department of Chemistry, RKMV, Shimla, HP
69	OP 69	Decline in vulture population as a consequence of Diclofenac toxicity	Deepak Mohan	R.G.M.Govt. College, Joginder Nagar
70	OP 70	Distribution of Sacred Groves in Kullu District of Himachal Pradesh, India	<i>Kalyani Supriya, Nishant Thakur and Himesh Kapoor</i>	Department of Environmental Science, Faculty of Life Sciences Himachal Pradesh University Summerhill, Shimla-171005
71	OP 71	Mycorrhizal Applications for Eco-Friendly	Jitender Kumar	Department of Botany, Govt. Degree College Arki, Solan, Himachal Pradesh



		Restoration of Sal Forest Ecosystem		
72	OP 72	The Industry-Academia link and new education strategy	Kamini Sharma	Assistant Professor, Department of Chemistry, Rajiv Gandhi Government Degree College, Chaura Maidan, Shimla-171004
73	OP 73	RADIOCHEMICAL GRAFTING OF METHACRYLIC ACID ONTO TEFLON-FEP FILM BY PREIRRADIATION METHOD	Ajay Thakur	SCVB Government College Palampur
74	OP 74	Ecological Footprint Assessment of Educational Institutions in Sirmaur District of Himachal Pradesh, India	Amita Sharma and Dr. MK Brahmi	Department of Environmental Science Dr YS Parmar University of Horticulture and Forestry, Nauni (173 230), Solan, Himachal Pradesh, India.
75	OP 75	Pine needles extracted cellulose nanowhiskers-based polyurethane foams for wastewater dye removal	Dr. Sapana Kumari and Dr. Hem Suman Jamwal	Department of Chemistry, NSCBM Govt. Degree College Hamirpur, H.P., India-177005
76	OP 76	Urban Forestry	<sup>1</sup> Dr. Sashi Sharma and <sup>2</sup> Mr. Parkash Chand Thakur	Associate professor, Chemistry, NSCBM Govt. College Hamirpur Associate Professor, Hindi, NSCBM Govt. College Hamirpur
77	OP 77	Exploring the Importance of Phytochemicals in the Management of Polycystic Ovary Syndrome (PCOS): A Review	<sup>1</sup> Mercy Gharu, <sup>2</sup> SubhamKapil, <sup>2</sup> PankajBagga	PG Department of Zoology, DAV College Jalandhar, Punjab, India.144008 <sup>1</sup> Presenting Author: Mercy Gharu
78	OP 78	Significance of Mathematics in Chemistry	*Dr. Kultaran kumari	Assistant Professor Mathematics, Govt. College Bhoranj(Tarkwari), Hamirpur(H.P.)
79	OP 79	COMPARATIVE STUDY OF HYDROCHEMISTRY OF GROUNDWATER FOR DRINKING AND IRRIGATION PURPOSE AND WATER QUALITY INDEX IN SOME AREA OF CHOHTAN TEHSIL IN BARMER DISTRICT OF RAJASTHAN (INDIA)	Dr. Sangeeta Parihar	Assistant Professor, Department of Chemistry, Jai Narain Vyas University Jodhpur

80	OP 80	Role of Tribal People in Biodiversity Conservation In Western Himalayas	<sup>1</sup> Monika Thakur and <sup>2</sup> Dr. Sunil Kumar	<sup>1</sup> Assistant Professor, Department of Botany, RNT Govt. College, Sarkaghat, Mandi <sup>2</sup> Assistant Professor, Department of Chemistry, RNT Govt. College, Sarkaghat, Mandi.
81	OP 81	Impact of Climate Change and Global Warming	Rajnish Dewan	Associate professor, Government college Dharamshala
82	OP 82	Synthesis and Characterization of Cobalt-Based Mixed-Ligand Complexes Incorporating Schiff Base and Para-Substituted Phenol: Their Evaluation as Photocatalyst for the Buchwald-Hartwig C-N Cross-Coupling Reaction	<u>Shalima Kumari</u> & Maridula Thakur	Department of Chemistry, Himachal Pradesh University, Summer Hill, Shimla-171005, India
83	OP 83	Environmental Concerns and Bio Diversity in Himalayan Region	Shashi Kanwar	Asso. Prof., Deptt. Of Botany, Govt. College Bangana, Distt.Una, HP India
84	OP 84	Impact of Pollution and Climate Change on Bio Diversity of Himalayan Region	Puneet Prem Kanwar	Asso.Prof., Deptt. Of Chemistry, Govt. PG College Una, HP India
85	OP 85	Millets: Bridging Ancient Grains to Contemporary Super Crops - A Comprehensive Review on Their Resurgence and Role in Combating Global Challenges	Chetan Chauhan	Department of Chemistry, Sardar Patel University, Mandi, Himachal Pradesh, India
86	OP 86	IUCN Conservation Status of Avifauna of Pong dam Wetland	Anuradha	Assistant Professor (Zoology), SCVB GC Palampur (H.P.)
87	OP 87	Exploring the impact of Modernization on traditional Himalayan Cultures and Tribes - A socio-cultural analysis	Dr. Nitika	Assoc. Professor, Department of Geography, Govt. College Nadaun, Distt. Hamirpur (H.P.)
88	OP 88	Environment Conservation Policies in India: Issues and Challenges	Dr. Rattan Lal	Associate Professor, Political Science, Govt. College Bassa (Gohar), Distt. Mandi H.P.
89	OP 89	Biosynthesis, Characterization of	Dimpal Chauhan <sup>1</sup> , Kuldeep Kumar <sup>2*</sup>	<sup>1</sup> Department of Chemistry, Career Point University, Hamirpur (H.P.),

		Magnesium Oxide Nanoparticles and Evaluation of their Photocatalytic Properties for Environmental Remediation		176041, India <sup>2</sup> Department of Chemistry, Career Point University, Hamirpur
90	OP 90	Role of Mathematics for a Greener Future	Sanjay Kango	Department of Mathematics, NSCBM Govt. College, Hamirpur
91	OP 91	Green Finance: A Cornerstone for Economic Development and Sustainability	Dr. Dinesh Kumar	Assistant Professor, Department of Commerce, Govt. College Hamirpur (HP)
92	OP 92	Impact of Environment Changes on Biodiversity	Shaziya Mohammed IrfanMomin	Associate Professor, Department of Chemistry, G.M.Momin Women's College, Bhiwandi, Dist Thane, Maharashtra, India
93	OP 93	An <i>In Silico</i> Analysis of Phytochemicals from <i>Terminalia arjuna</i> : Role in Ventricular Heart Arrhythmia	Seema Puri <sup>1</sup> , Gobind Ram <sup>2</sup> , Shiv Kumar Giri <sup>1*</sup>	<sup>1</sup> Department of Biotechnology, School of Basic & Applied Sciences, Maharaja Agrasen University, Baddi, Solan (H.P). <sup>2</sup> P.G. Department of Biotechnology, Lyallpur Khalsa College, Jalandhar, Punjab.
94	OP 94	RENEWABLE ENERGY: POWERING A GREEN FUTURE	Alka and Shashi Bala	Assistant professor, Department of Physics, Govt. Arya Degree College Nurpur, Distt Kangra
95	OP 95	Perovskite materials: Future of solar cell technology	Amit Kumar Sharma	Department of Physics, Maharana Pratap Govt. Degree College Amb, Distt Una, Himachal Pradesh, India-177203.
96	OP 96	Study of Silver Doped Lead (M-Type) Nanohexaferrites Synthesized by Sol-GelAuto - Combustion technique	Virender Pratap Singh <sup>a*</sup> Dinesh Pathak <sup>b</sup> , Priyansh <sup>c</sup> and Dr Pankaj Thakur <sup>d</sup>	<sup>a*</sup> Department of Physics, NSCBM Govt. PG College, Hamirpur, India <sup>b</sup> Faculty in Physics, University of West Indies, St Augustine Campus, Trinidad, West Indies <sup>c</sup> Department of Mathematics, Govt Degree College, Barsar, Hamirpur, Himachal Pradesh, India <sup>d</sup> Special Centre for Nanoscience, Jawaharlal Nehru University, New Delhi-110067
97	OP 97	Our Changing Earth: How Climate Shifts Affect Us All (A Review)	Manu	Department of Biology, Hindu Kanya College, Kapurthala, Punjab, India

98	OP 98	WATER POLLUTION--- A CRITICAL APPRAISEL	Ranjana Garg	AL NAJMA, ZONE 26, BUILDING NO. 12, PO BOX- 31887, DOHA-QATAR
99	OP 99	Impact of Climate Change and Global Warming: An Overview	Reetu Raj Thakur	Assistant Professor (Commerce), Govt. College Bilaspur, Distt. Bilaspur
100	OP 100	Computational studies, Cytotoxicity, and Antifungal potential of novel Zinc(II) complexes of Hydroxamic Acid Chelators	Shubham Sharma	Ph.D. Research Scholar, Department of Chemistry, Himachal Pradesh University Summerhill Shimla, H.P.-171005
101	OP 101	Use of Bio-friendly Polymer materials for sustainable development	Bhagat Ram	Assistant Professor, Chemistry, Govt. Degree College Tissa, Chamba, Himachal Pradesh
102	OP 102	NANO CHEMISTRY AND THEIR APPLICATIONS: A REVIEW	Abhinandan Jain	Assistant Professor, Department of Chemistry, Sidharth Govt. College, Nadaun, HP
103	OP 103	Causes and Consequences of Global Warming	Harish Kumar Chauhan	Associate Professor of Physics, Vallabh Govt. College, Mandi, Himachal Pradesh, INDIA
104	OP 104	Impact of hydro projects on environment specifically in the tribal area of district Kinnaur Himachal Pradesh	Dr. Rajan Devi Negi	Associate professor Commerce Govt.College Nirmand kullu Himachal Pradesh 172023
105	OP 105	National Environment Policies and Securities	Dr. Uttam Kumar Sharma	Asstt. Professor in Political Science, Govt. Degree College, Hamirpur (H.P.)
106	OP 106	Electric Vehicles: Journeying towards a Greener Destination	Dr. Kalpna Bhandari*, Dr. Kamlesh Kumari#, Ms. Reenu Chaudhary@	*Assistant Prof, Botany, N.S.C.B.M. G.C.Hamirpur, #Assistant Prof., Zoology, GC Jhanduta @Assistant Prof., Zoology, Govt. College of Teacher Education, Dharamshala
107	OP 107	Green Chemistry: Perspective towards Sustainability	Renu Dogra	Assistant Professor, SCVB Government College Palampur

108	OP 108	A Synergistic Effect between Business Chemistry & Sustainable Development Goals: A Way Forward	<sup>1</sup> Diwaker, <sup>2</sup> Samjeet Singh Thakur; <sup>3</sup> Ravinder Kumar	<sup>1</sup> Assistant Professor, Physics, SCVB Govt. Degree College, Palampur, Kangra, Himachal Pradesh <sup>2</sup> Assistant Professor, Chemistry, NSCBM Govt. College Hamirpur, Hamirpur, Himachal Pradesh <sup>3</sup> Assistant Professor, Commerce, KDC Govt. Degree College, Jaisinghpur, Kangra, Himachal Pradesh
109	OP 109	Green Chemistry	Dr.Gopi Chand	Assistant Professor, Deptt.of Chemistry, GC Rampur Bushahr
110	OP 110	Unfolding Dynamics in Green Marketing: Challenges and Opportunities in India	Dr. Tanu Kalsi	Assistant Professor, Commerce, Govt. Degree College, Ramshehar, Distt. Solan, HP 174102.
111	OP 111	Heavy metals pollution and its impact on environment: A Comprehensive review	<sup>1</sup> Ruchi Sangal and <sup>2</sup> Anjna Kumari	<sup>1</sup> Assistant Professor, Sidharth Govt College Nadaun, Distt Hamirpur(HP) <sup>2</sup> Assistant Professor, NSCBM Govt PG College Hamirpur, Distt Hamirpur(HP)
112	OP 112	Cost-Benefit Analysis of Hydropower Projects in Himachal Pradesh	Hakam Chand	Assistant Professor (Economics), Govt. Degree College Rirkmar, Kangra.