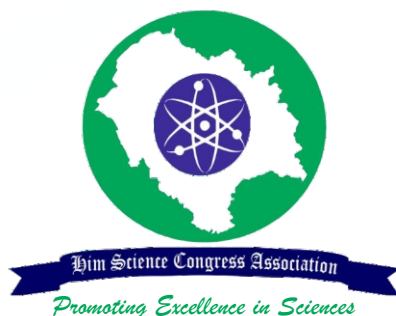


THE 11th HSCA INTERNATIONAL CONFERENCE

on
MATERIALS AND BIOLOGICAL SCIENCES

November 15-16, 2024

at
GOVERNMENT COLLEGE BILASPUR
District Bilaspur, Himachal Pradesh-174 001
Organized by



HIM SCIENCE CONGRESS ASSOCIATION

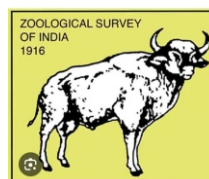
in
Collaboration with



GOVERNMENT COLLEGE BILASPUR



ASIAN POLYMER ASSOCIATION



ZOOLOGICAL SURVEY OF INDIA

www.hsca.in

About HSCA

Him Science Congress Association (HSCA) has been constituted with the thought of 'Promoting Excellence in Sciences' particularly in Himachal Pradesh. Him Science Congress Association has completed its 12 eventful years. The aim of HSCA is to bring the pioneers of various scientific fields together to enlighten and motivate young scholars. Association is committed for promotion and cultivation of Scientific culture in the state. The HSCA has sponsored Children Science Congress organized by the Department of Science & Technology, Government of Himachal Pradesh, organized series of Skill Development and Motivational lectures for the school children in rural part of Himachal Pradesh. HSCA has more than 500 life members contributing for the promotion of science in the state. HSCA has organized series of National and International Conferences in the past. Previous conferences were held at Shoolini University (Solan), Himalayan Forest Research Institute (Shimla), Vallabh Govt College (Mandi), Hotel Inclover (Dharamshala), Atal Bihari Vajpayee Institute of Mountaineering, and Allied Sports (Manali), NIT Hamirpur, e-conference in 2021, SPU, Mandi in 2022 and Hotel Dalhousie in 2023. These conferences were sponsored by various funding agencies such as DST, DRDO, ISRO, BRNS, SJVN and Himachal Tourism etc. In addition to this HSCA has adopted and supported 3 schools in remote part of Himachal Pradesh.



About Govt College Bilaspur Himachal Pradesh

Govt College Bilaspur is one of the oldest and amongst the most prestigious colleges of Himachal Pradesh, Established in 1952. It has remained instrumental in providing quality education to the people of the town and adjoining areas. Nestled below the imposing Bandla hills on the left bank of the world famous Gobind Sagar Lake, college campus presents ideal surroundings for scholarly pursuits. Over the past sixty years the college has established a glorious record of academic excellence and has made remarkable achievements in various fields such as sports, cultural & extracurricular activities. The college is affiliated to Himachal Pradesh University and has been accredited B grade by NAAC. It is a matter of pride that H.P. University has notified this college as one of the five best colleges amongst more than hundred colleges of state affiliated to it. It has the honour to be designated as the 'Star College in Life Sciences' by UGC.



About Zoological Survey of India (ZSI)

The Zoological Survey of India (ZSI) was established on 1st July, 1916 to promote survey, exploration and research leading to the advancement in our knowledge of various aspects of exceptionally rich life of the erstwhile 'British Indian Empire'. The ZSI has its genesis in the establishment of the Zoological Section of the Indian Museum at Calcutta in 1875 and over the years has strengthened its staff and expanded its research program to meet the challenge of the past and is on its way to meet the demands of the future. Initially, the Survey acquired the Zoological collections of more than a century old from former Museum of the Asiatic Society of Bengal (1814-1875) and Zoological Section of the Indian Museum (1875-1916) in Calcutta. With the increasing interest in the life sciences and with the advent of country's Five Year Plans, the expansion programme of the survey was initiated. The ZSI has established so far 16 Regional Centre, and has developed into a major National Institution and act as the guardian of the National Zoological Collections, containing over a million identified specimens from all animal groups from Protozoa to Mammals. Extensive and intensive field explorations are undertaken from the different parts of the country for the studies of fauna, systematic zoology, animal ecology, wildlife and zoogeography, animal behavior, animal population and also marine fauna.

About Bilaspur

Bilaspur is a district of Himachal Pradesh, India. Its capital is in the town of Bilaspur. The district has an area of 1,167 km², and a population of 381,956. As of 2011 it is the third least populous district of Himachal Pradesh (out of 12), after Lahul and Spiti and Kinnaur.

The district has the famous Govind Sagar Lake on the Sutlej river which acts as the reservoir for the Bhakra and Nangal Dam Project. Bilaspur experiences warm summers and cool winters but is protected from the temperature extremes of the surrounding mountains by its situation in a valley. The monsoon, from July to September, is a period of high rainfall. From October to November, the lake is completely full. The highest temperature months are May and June when the temperature is typically around 37 °C (99 °F) and 38 °C (100 °F), sometimes exceeding 40 °C (104 °F).

Transportation

Buses are the only mode of public transport to the district and run from all major towns within the state as well as from those outside it. Bilaspur lies on the Chandigarh–Manali NH-21 highway. It is 86 km away from Shimla, the state capital, and 405 km from Delhi. The nearest major airport with daily scheduled flights from major cities is in Chandigarh, which is 141 km. Manali, a major tourist attraction in Himachal Pradesh, is located 195 km from Bilaspur. Mandi, 70 km (43 mi) away, contains the Zonal headquarters of the district. Most of the long route buses that service Bilaspur are run by the state owned HRTC; local routes are operated by private bus operators.

Places to Visit

AIIMS Bilaspur: All India Institute of Medical Sciences, Bilaspur (AIIMS Bilaspur) is an Indian public medical school, hospital and an Institute of National importance in Bilaspur, Himachal Pradesh, India. It is one of the All India Institutes of Medical Sciences (AIIMSs).

Naina Devi Temple: The Temple of Shri Naina Devi Ji is situated on a hilltop in Bilaspur. The temple is connected with National Highway No. 21. The temple at the top of the hill can be reached via road (that curves round the hill up to a certain point) and then by concrete steps (that finally reach the top).

Gobind Sagar: A reservoir that was formed by the Bhakra Dam.

The 11th HSCA
International Conference on
MATERIALS AND BIOLOGICAL SCIENCES (November 15-16, 2024)

This is the 11th conference in the series on a theme 'Science' organized by Him Science Congress Association, Himachal Pradesh, India. This conference is being organized at Govt College Bilaspur, Himachal Pradesh during November 15-16, 2024. This Platform provide opportunities for the delegates to exchange new research ideas, applications, research experiences, establish business or research relations and to find global partners for future collaboration. We invite abstracts with 200-300 words relevant to theme and scope of the conference.

IMPORTANT DATES & DEADLINES

Submission of Abstract	-	10 th October, 2024
Acceptance of Abstract	-	12 th October, 2024
Registration fee submission	-	15 th October, 2024

SUBMISSION OF ABSTRACTS

The abstract of research work is invited for presentation in 11th International Conference of HSCA. Abstract should not be more than 300 words containing title, name of author, affiliation/Institution's name followed by email id, keywords. Name of presenting author should be bold.

Last date for Abstract submission is 10th October, 2024.

Authors have to submit their abstract in the desired format through Google Form Link:

<https://forms.gle/hig9KKE7agzGVn3M8>



PUBLISHING OF PAPER

Selected full length research papers after presentation during the days of the conference will be called for publication in the following Journals. The research papers will be followed by peer review process either by Journal or Conference Editorial Team.

- 1. Peer Review and Acceptance:** The paper undergoes peer review by reviewers. If it is accepted, it proceeds to the publication stage
- 2. No Article Processing Charge (APC):** The paper will be published without any Article Processing Charge (APC).
- 3. Journal Selection:** The manuscript will be published in one of the following journals, depending on its suitability:
 - Journal of Ethnopharmacology and Toxicology (JET), ISSN 3048-5401
 - World Water Policy: Online ISSN: 2639-541X, Print ISSN: 2639-541X
 - Transylvanian Review of Systematical and Ecological Research, eISSN: 2344-3219 (Scopus)
 - World Water Policy: Online ISSN: 2639-541X, Print ISSN: 2639-541X (Scopus Indexed) Transylvanian Review of Systematical and Ecological Research, eISSN: 2344-3219 (Scopus Indexed)
- 4. Submission:** The paper can be submitted either by the authors themselves or by the Conference organizing committee.
Email for Full-Length Paper: After the conference proceedings, the email address for submitting the full-length paper will be shared with you.

SCOPE OF CONFERENCE

* Agriculture Sciences	* Biological Sciences	* Chemical Sciences
* Environmental and Earth Sciences	* Mathematical Sciences	* Physical Sciences
* Engineering & Technology	* Material Science	* Medical Science

AWARDS

- Best Oral as well as Best Poster Presentation Award (1st and 2nd) including two consolation prizes will be awarded during the valedictory session
- **HSCA Innovation Award-2024**
During the second day the conference, project display will be scheduled. Interested students from Distt. Bilaspur may display their working science projects between 9:00am to 12:pm on 16th November, 2024.
Following will be the eligibility criteria:
 1. Class 11&12th Students
 2. Students with ID cards issued from school or participation letters duly signed by the Principal of the school.
 3. Projects should be innovative and working
 4. Project should be a science project**Awards and Certificates:**
 1. First Position, Rs 5000
 2. Second Position Rs 3000
 3. Third Position Rs 2000
 4. Fourth Position Rs 1000
- All participants will get certificate of participation

CHOFFLA AWARDS OF SCIENCE SCHOLARSHIP

Detailed Instructions

The Him Science Congress Association (HSCA), Himachal Pradesh, is pleased to announce the introduction of two Science Scholarships starting from 2024 onwards. These scholarships aim to inspire and support meritorious students from economically weaker section of the society to pursue careers in science. HSCA firmly believes that this initiative will significantly impact the lives of aspiring students and contribute to the educational landscape of the region, fostering both academic excellence and future aspirations.

These scholarships are generously sponsored by Valley Agro Foods, Chamba (Himachal Pradesh), an esteemed Industrial Life Member of HSCA. Below are the details of the scholarships:

1. Names of the Scholarships

- A. Late Shri Kuldeep Chand Chowfla Science Scholarship (KCCSS)
- B. Late Shrimati Kushal Chowfla Science Scholarship (KCSS)

2. Nature of the Scholarships

Each scholarship will consist of a one-time cash prize of INR 11,000 (eleven thousand rupees) each. Additionally, awardees will receive a life membership card of the association along with two cheques:

The first cheque, worth Rs 10,000/-, will be issued in the awardee's name.

The second cheque, worth Rs 1,000/-, will be issued in the name of HSCA to cover the life-time membership fees for the awardees.

3. Eligibility Criteria

Eligible candidates must be meritorious students class 12th (Medical and Non-Medical) from the district where the international conference of HSCA is scheduled for that particular year.

Applicants should belong to the economically weaker sections of society (should carry a certificate from the competent authority) and must have opted for science as a career at the B.Sc. (Medical and Non-Medical) first-year level.

The list of eligible students for all colleges of district will be obtained from the office of the Director of Higher Education/Principal.

4. Felicitation

The scholarship cheques will be presented to the awardees in person during the Inaugural function of the international science conference i.e 15th July, 2024.

YOUNG SCIENTIST/YOUNG RESEARCHER AWARD

Young Scientist/Young Researcher Award, Guidelines for the young scientist/young researcher award is on the website of HSCA (www.hsca.in).

GUIDELINES

1. Applicants must be the life member of HSCA.
2. The participant below 40 years of age are eligible for Young Scientist Award.
3. The participant below 35 years of age are eligible for Young Researcher Award.
4. Applicant must have minimum 10 SCI publications with minimum h-index of 5.
5. Full length paper will be evaluated by the experts and the selected Young Scientist/Researcher in each section will be invited to make oral presentation of their paper during 11th International HSCA conference.
6. The last date for receiving full length paper for young scientist/researcher award is October 30th, 2024 on the e-mail : 2024hsca@gmail.com.
7. The final selection for the award will be made by a duly constituted committee (50% on the CV basis and remaining 50% on the basis of performance of the candidate during oral presentation) and the award will be given during the valedictory ceremony.

REGISTRATION FEE

Category (Per Individual)	Indian Participant	International
Academicians/Scientist	Rs. 2000/-	\$200
Scholars	Rs. 1500/-	\$100
Industry	Rs. 4000/-	\$300
UG and PG students	Rs. 700/-	\$50
HSCA life members	Rs. 1500/-	\$150
HSCA life members (Scholars)	Rs. 1000/-	
Traditional Industry Exhibition	No Fee	
Others Industry Exhibition	Rs. 5000/-	

*The fee includes conference kit, Breakfast, tea, lunch & dinner during the conference days.

ACCOMMODATION

Accommodation available on paid basis, contact: Dr. Jai Chand Mehalwal, Mob. No. +91 9418353461
Dr. Kuldeep Barwal, Mob. No. +91 9418991200
Dr. Sanjiv Kumar, Mob. No. +91 9418045021

SUBMISSION OF REGISTRATION FEE FOR CONFERENCE

A/c No. 0433000100750320 payable at Punjab National Bank, School Bazar, Mandi, HP
(IFSC code: PUNB0337700; SWIFT Code: PUNBINBBISB) and send the receipt to 2024hsca@gmail.com.

CONFERENCE COMMITTEE

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Prof. Bhuvanesh Gupta

Patrons

Prof. Deepak Pathania Prof. B. C. Chauhan Principal, Government College Bilaspur

Co-Patrons

Prof. Rajesh Kumar Sharma Prof. Sita Ram Sharma

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Dr. Jagdeep Verma Dr. Rakesh Thakur Dr. Sunil Kumar

Conference Co-Chairmen

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