

PATRONS

Chief Patron: Shri Mahant Devendra Dass Ji, Hon'ble Chancellor, SGRR University

Patron: Prof. (Dr.) Yashbir Dewan, Hon'ble Vice Chancellor, SGRR University

Co-Parton: Dr. Ajay Kumar Khanduri, Registrar, SGRR University

Convenor : Prof. (Dr.) Arun Kumar, Dean SBAS, SGRR University

Co-convenor: Prof. (Dr.) Manoj Gahlot, SBAS, SGRR University

ADVISORY COMMITTEE

- ❖ Prof. Anita Rawat, Director USERC, Govt. of Uttarakhand
- ❖ Prof. Durgesh Pant, Director UCOST, Govt. of Uttarakhand
- ❖ Prof. Satpal Singh Bisht, VC, SSJ University, Almora
- ❖ Prof. Rajendra Dobhal, VC, SRH University, Dehradun
- ❖ Prof. K.K. Raina, VC, MSR University, Karnataka
- ❖ Dr. M.S. Chauhan, VC, GBPUA&T
- ❖ Prof. Sulekha Dangwal, VC, Doon University
- ❖ Prof. (Dr.) Ved Prakash, Ex Chairman UGC
- ❖ Dr. R.P. Singh, University Coordinator, SGRRU
- ❖ Prof. (Dr.) Kumud Saklani, Dean Academic, SGRRU
- ❖ Prof. (Dr.) Suman Vij, Director IQAC, SGRRU
- ❖ Dr. Sanjay Kumar, Director UCB, Govt. of Uttarakhand
- ❖ Dr. S.P.S. Khanuja, Former Director, CIMAP, Lucknow
- ❖ Prof. A.K. Dobriyal, HNB Garhwal University
- ❖ Prof. Vijay Juyal, Kumaun University
- ❖ Prof. J.P. Bhatt, HNB Garhwal University
- ❖ Prof. B.K. Bajaj, University of Jammu
- ❖ Prof. M.S.M. Rawat, HNB Garhwal University
- ❖ Prof. Kashyap Kumar Dubey, JNU
- ❖ Prof. Gulshan Dhingra, SDS University
- ❖ Prof. Leonid Asnin, Parm National Research Polytechnic University, Russia
- ❖ Prof. M.A. Mantani, IIT Khargpur
- ❖ Prof. B.N. Pandey, BARC, Mumbai
- ❖ Prof. R.N. Kharwar, Banaras Hindu University
- ❖ Prof. Parvinder Kumar, IIT Roorkee
- ❖ Prof. Prashant Singh, DAV PG College, Dehradun
- ❖ Prof. Ram Naresh, Life Member SGRREM
- ❖ Prof. S.P. Sati, SDS University, Rishikesh Campus
- ❖ Prof. Madhu D Singh, SGRR PG College
- ❖ Prof. Sanjay Saxena, Thapar Institute of Engineering & Technology
- ❖ Prof. D.M. Tripathi, SDS University, Rishikesh Campus
- ❖ Prof. Madhu Thapliyal, Govt. PG College, Uttarakashi
- ❖ Prof. C.M. Sharma, HNB Garhwal Univesity
- ❖ Prof. Varenym Achal, Guangdong Technion-Israel Institute of Technology, Shantou, China
- ❖ Prof. V.P. Uniyal, Wild Life Institute, Dehradun
- ❖ Prof. A.P. Singh, University of Alabama, USA
- ❖ Dr. Ratan Kumar, DHFP, Garhwal
- ❖ Dr. Manoj Tripathi, SRC Bhopal
- ❖ Dr. Pankaj Bahuguna, Govt. Degree College, Dehradun Shahar, Dehradun
- ❖ Dr. D.K. Bhatia, Govt. PG College, Dakpathar
- ❖ Dr. V.P. Dimri, Prof. Emeritus SAS, SGRRU
- ❖ Dr. D.P. Dobhal, Ex. Sci., Wadia Institute
- ❖ Dr. Ashok Kumar Sahani, GBPNIHE, Almora
- ❖ Dr. Soumen Dasgupta, Indian Institute of Petroleum
- ❖ Dr. Anoop, DSIR, Govt. of India
- ❖ Dr. Nipendra Chauhan, CAP, Dehradun
- ❖ Dr. Samresh Dwivedi, ITC, Banglore
- ❖ Dr. Seema Singh, University of Alabama, USA
- ❖ Dr. Shah Alam Khan, NUST, Oman
- ❖ Dr. Anil Kumar Puniya, NDRI, Karnal
- ❖ Dr. Ghimja, Fessahaye, Eritrea



For more details visit SGRRU

www.sgrru.ac.in

Organizing Secretary

Prof.(Dr.) Rajesh Rayal

Email: organizingsecretarysbas@sgrru.ac.in

Phone: +91 94129 21454

Joint Secretary

Prof. (Dr.) Maneesha Singh, 9720006689

Prof. (Dr.) Dwarika P. Maithani, 7347467221

Dr. Lokesh Gambhir, 8755487416

Dr. Pankaj Chamoli, 7579047317



USERC

Department of Information, Suraj & Science Technology,
Govt. of Uttarakhand



International Conference on “Emerging Trends in Science, Technology & Innovation”

SCIVISION 2024

19 – 20th April 2024

(Hybrid Mode)



Conference Webpage QR Code

Organized by:

School of Basic and Applied Sciences
Shri Guru Ram Rai University

In collaboration with Uttarakhand Science Education and Research Centre
Dehradun-248007 Uttarakhand

Conference Web page : <https://sgrru.ac.in/event2024/international-conference.html>

Introduction

The dynamic realms of science, technology, and innovation consistently mold our everyday routines, workplaces, and social connections. Evolving trends are shaping the trajectory of progress, ushering in transformative shifts across multiple industries. The emphasis on global sustainability propels innovative breakthroughs in renewable energy and eco-friendly technologies. Progress in energy storage, wind, and solar technologies seeks to tackle environmental challenges while meeting the escalating demand for sustainable energy. Biotechnology, with the advent of gene-editing technology, is forging new frontiers in agriculture and healthcare. These advancements mark groundbreaking discoveries with profound implications for disease management and sustainable farming practices, introducing unprecedented levels of automation, efficiency, and problem-solving capabilities. In the face of these developments, the amalgamation of ingenuity, science, and technology propels humanity into uncharted territories. Responsible integration of these advancements is crucial for addressing global challenges and creating a future where the benefits of growth are accessible to all. Individuals, businesses, and communities must remain vigilant and adaptable in this era of rapid change. To rejuvenate researchers and practitioners, the School of Basic and Applied Science at Shri Guru Ram Rai (SGRR) University, Dehradun, Uttarakhand, is delighted to extend an invitation to the International Conference on "Emerging Trends in Science, Technology, and Innovation" on April 19-20th, 2024. The conference aims to delve into the latest technological developments, fostering discussions that promise to shape the future landscape.

About the Organizers

Shri Guru Ram Rai Darbar Sahib is a 346 year old, social, religious and philanthropic organization established by Shri Guru Ram Rai Ji Maharaj and has been involved in social service since its inception. Under the leadership of Shri Guru Ram Education Mission, SGRR University has a legacy of 70+ years in education and healthcare services. The mission pioneers education for the underprivileged, while the university, guided by 'Quest for Excellence,' provides a global learning environment. Emphasizing excellence across physical, mental, and spiritual dimensions, it offers quality teaching, innovative research, and a tech-driven learning experience. With tailored services like sports facilities, residences, eateries, libraries, peer mentoring, and career counselling, SGRR University nurtures independence, creativity, academic autonomy, and a global mindset. As a temple of learning, SGRR University invites all to join in continuing this rich legacy, recognizing that investing in knowledge yields the best results.

Conference Themes

- ❖ Environment sustainability (Resource utilization & conservation, Biodiversity & conservation, Ecological approaches for sustainability)
- ❖ Energy (Conversion, Storage, Nanotechnology)
- ❖ Advances in Biological Sciences (Microbial biotechnology, Drug discovery, designing & therapeutic applications, Computational biology)
- ❖ Advances in Physical Sciences (Green Chemistry, Geoengineering & disaster management, Optimization & algorithms)
- ❖ Entrepreneurship development (Indian Knowledge system, Start-up & innovative ideas, Intellectual Property Rights)



Invited Speakers

- ❖ Prof. (Dr.) B.K. Bajaj
School of Biotechnology, University of Jammu
- ❖ Prof. (Dr.) A. K. Punia
Dairy Microbiology Division, ICAR-NDRI, Karnal
- ❖ Prof. (Dr.) Ashok Kumar Sahani
GB Pant National Institute of Himalayan Environment
- ❖ Prof. (Dr.) Gaurav Sharma
Suresh Gyan Vihar University, Jaipur
- ❖ Prof. (Dr.) Ajay Pratap Singh
University of South Alabama, Alabama (USA)
- ❖ Prof. (Dr.) S.P. Sati
Sri Dev Suman University, Rishikesh Campus
- ❖ Dr. Ratan Kumar
Joint Director, Department of Horticulture and Food processing, Garhwal Division, Pauri, Uttarakhand
- ❖ Dr. V.P. Uniyal
Wildlife Institute of India, Dehradun, Uttarakhand
- ❖ Dr. Sumit Purohit
Uttarakhand Council For Biotechnology
- ❖ Dr. Veenit Kumar
FRI, Dehradun Uttarakhnd
- ❖ Prof. (Dr.) Gulshan Kumar Dhingra
Sri Dev Suman University, Uttarakhand
- ❖ Prof. (Dr.) Varenyam Achal
Laboratory of Environmental Sustainability, Guangdong Technion - Israel Institute of Technology, Shantou, China
- ❖ Dr. Ghimja Fessahaye
Asmara college of Health Sciences, Asmara, Eritrea
- ❖ Prof. (Dr.) Bhawana Tyagi
Texas A&M Irma Lerma Rangel School of Pharmacy Texas, USA
- ❖ Prof. (Dr.) Prof. Leonid Asnin
Perm National Research Polytechnic University, Russia
- ❖ Prof. (Dr.) Shah Alam Khan
National University of Science and Technology Muscat, Oman
- ❖ Dr. Devavrath Tripathi
Radiation Medicine Centre, Bhabha Atomic Research Centre, Mumbai
- ❖ Dr. Raghunandan Sharma
University of Southern Denmark
- ❖ Prof. (Dr.) Nitendra Singh
International Thermonuclear Experimental Reactor - Fusion for Energy, France
- ❖ Dr. Suresh Kumar
Principal Engneer II, Enerzinx India Pvt. Ltd.
- ❖ Prof. (Dr.) Manoj K. Tripathi, ICAR-CIAE, Bhopal

Organizing Committee

- ❖ Shri Manoj Tiwari
- ❖ Dr. Naveen Gaurav
- ❖ Dr. Manjusha Tyagi
- ❖ Dr. Shweta Sahni
- ❖ Dr. Manish Dev Sharma
- ❖ Mr. Ravindra Kumar
- ❖ Dr. Deepak Som
- ❖ Dr. Jeevan Jyoti
- ❖ Dr. Saurabh Guleri
- ❖ Dr. Kavita Tripathi
- ❖ Dr. Sheetal Tyagi
- ❖ Dr. Shruti Saxena
- ❖ Dr. Rashmi Bhargava
- ❖ Mrs. Twinkle
- ❖ Ms. Shreya Kotnala
- ❖ Dr. Rashmi Verma
- ❖ Dr. Preeti Juyal
- ❖ Mrs. Shalini Kumari
- ❖ Mr. Kamal Bijalwan
- ❖ Dr. Shahana Jabi
- ❖ Mr. Sanjay Singh Negi
- ❖ Dr. Veena Maurya
- ❖ Dr. Prachi Nautiyal
- ❖ Dr. Shalini
- ❖ Dr. Sangeeta Sundriyal
- ❖ Dr. Kanchan Bhardwaj
- ❖ Dr. Ashok Singh Bhandari
- ❖ Dr. Archana Dhyani
- ❖ Dr. Richa Saxena
- ❖ Dr. Anuja Rohila
- ❖ Dr. Priya Pandey
- ❖ Dr. Subhash Chandra
- ❖ Mr. Sandeep Sharma
- ❖ Mr. Bhupendra Raturi
- ❖ Mr. Subhash Dimri
- ❖ Mr. Bijendra Kumar
- ❖ Mr. Manish Chaudhary
- ❖ Ms. Simran
- ❖ Mr. Sudhanshu
- ❖ Mr. Rakesh Panwar
- ❖ Mr. Updesh Dobhal
- ❖ Mr. Ramesh Kumar
- ❖ Mr. Gaurav Pharasi
- ❖ Mr. Amit Khanduri
- ❖ Mr. Ganesh Dabral

Call for Abstract

The abstracts for poster and oral presentations related to above mentioned thrust areas are to be uploaded along with registration from/link or can be mailed at **scivision2024@gmail.com** by 5th April 2024. The abstract should be typed in single space using MS Word (about 250 words) and should include background, objectives, methods, results and conclusion. The Title should be CAPITAL and BOLD followed by author's name, affiliation and email id of corresponding author. The name of presenting author should be underlined. The size of the poster should be 1x1.5m.

- ORAL presentation session would be conducted in BOTH ONLINE AND OFFLINE MODE.
- Poster Presentation session would be conducted in OFFLINE mode only.



Registration QR Code

Awards

Young scientist award will be given to the researcher selected based on the novelty of their work.

Students Awards

The best Oral and Poster presentation awards will be given in each theme to young researcher selected based on the novelty of their work in both Online & Offline mode.

Bank Account Details

Account Name: Shri Guru Ram Rai University
Account No. 097901000405
Bank Name: ICICI Bank,
Preeti Enclave Dehradun
IFSC Code: ICIC0000979



Registration

(till 15th April, 2024)

	Regular	On spot
Students	: 800 INR	1000 INR
Researcher/PhD Scholar	: 1000 INR	1200 INR
Faculty/Scientist	: 2000 INR	2500 INR
Industry Personnel	: 2000 INR	2500 INR

Registration Link: <https://forms.gle/eHFjAK33bsBLth8m8>

Important Deadlines

Abstract submission : 05 April, 2024

Acceptance of Abstract : 10 April, 2024

Conference Web Page: <https://sgrru.ac.in/event2024/international-conference.html>

Email: scivision2024@gmail.com



Conference Webpage QR Code

CALL FOR PAPERS

The selected papers will be published in Scopus/WOS indexed journal.

For more details visit SGRRU

Shri Guru Ram Rai University, Patel Nagar, Dehradun-248 001

Website: www.sgrru.ac.in