



Under G20 Joint Declaration on “Strengthening Global Health and Implementing One Health Approach”

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About the Conference

The Swami Rama Himalayan University (SRHU) is organizing a conference on Antimicrobial Resistance (AMR), which is going to be a platform for Academia, Start-ups, Pharma, Investors, Public Institutions and Policy Makers to discuss specific challenges faced by the existing ecosystem in handling AMR.

Purpose of the conference is to catch up on “Trends in AMR Research; Anti-microbial treatment policies of the Institutions; Diagnostics, New Antimicrobials, New Vaccines and Re-purpose Drugs & Immunomodulators” with focus on scientific, regulatory, financial and policy issues; and come up with the “**R & D Portfolio**” and the **State’s Action Plan on AMR**. State’s Strategic Action Plan generally describes six priorities: 1) Awareness and understanding; 2) Knowledge and evidence; 3) Infection prevention and control; 4) Optimising use of antibiotics; 5) Research and Innovations; 6) Collaborations.

The conference will thus discuss limitations of existing methods and propose innovative approaches that **may translate into product/processes and policies in fighting AMR at the grassroots, PHC/CHCs; Secondary and Tertiary level Hospitals; and Healthcare establishments**. Experts in AMR are invited to deliver talks for building awareness and posing relevant researchable questions. Scientists/Faculty/Students from Academic Institutions; Medical Colleges and Companies are invited to submit an abstract for an oral/poster presentation on defined themes/Sub-themes.

Themes/Sub-themes

- Measuring the burden of AMR in the country
- AMR Pathogen conventional Diagnostics Systems/Tools
- AMR Diagnostic innovations for Humans, Animals and Water
- AMR Pathogen Surveillance Infrastructure for Humans; Animals and Wastewater
- Is Genomic surveillance of priority pathogens a feasible option-Challenges & Scope
- Tuberculosis: New tools against an old enemy
- New tricks to combat Fungal Infections
- Traditional and non-traditional therapeutic approaches to tackle AMR in humans and animals
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About Antimicrobial Resistance

The antimicrobial resistance (AMR), including antibiotic resistance was identified as a grave problem during Sixty-eight World Health Assembly in May 2015. AMR occurs when microbes i.e., bacteria, viruses, fungi, and parasites no longer respond to the antimicrobials, i.e., antibiotics, antivirals, antifungals, and anti-parasitic drugs, thus antibiotics and other antimicrobial drugs become ineffective; and infections become increasingly difficult or impossible to treat. Antimicrobials are used to prevent and treat infections in humans, animals, and plants. Without effective antimicrobials, the success of modern medicine in treating infections, including those used during major surgery, organ transplant and cancer chemotherapy would be compromised.

AMR has been identified as a Global Threat as the pathogens acquire new resistance mechanisms under the selection pressure of antimicrobials leading to emergence and spread of drug-resistant pathogens which continues to threaten scientist/clinicians' ability to treat common infections. There are only a few new antimicrobials on the clinical pipeline. Further, a lack of access to quality antimicrobials remains a major issue.

The G20 identified AMR as a global threat needing multi-sectoral approach if the world wish to progress towards Sustainable Development Goals (SDGs).

While the main drivers of antimicrobial resistance are the misuse and overuse of antimicrobials; lack of access to clean water, sanitation, and hygiene (WASH) for both humans and animals; poor infection and disease prevention & control in health-care facilities and farms; poor access to quality & affordable medicines, vaccines and diagnostics; lack of awareness and knowledge; and lack of enforcement of legislation are also important factors resulting into AMR. These factors alone or in combination promote the spread of microbes, many of which become resistant to antimicrobial treatment over time.

AMR occurs naturally over time, usually through genetic changes.

Sessions would be dedicated to antimicrobials in the environment, diagnostics, antifungals, biologics, and anti-tuberculosis drug combinations. Discussions would be held as how India is getting prepared to provide global solutions against AMR. Continuing with the themes and sub-themes identified above, sessions would conclude on:

1. Making the case for investing in AMR R&D
2. AMR and Climate Change
3. AMR & Social Sciences covering One Health
4. National & State level Public Health AMR Policy

About Us

Swami Rama Himalayan University (SRHU) has been established by Himalayan Institute Hospital Trust (HIHT), promoting society of the University, under section 2(f) of UGC Act and enacted vide Uttarakhand Act No. 02 of 2024. It came into existence to carry forward the legacy of its founder H.H. Dr Swami Rama, a visionary sage who conceived, designed, and established HIHT to translate his dream to provide education, training and enable research diverse areas of medical sciences & allied health sciences. SRHU became functional in 2013 with three constituent colleges/schools, i.e. Himalayan School of Science & Technology (HSST),

Himalayan School of Management Studies (HSMS) and Himalayan College of Nursing (HCN). Thereafter, with effect from 1st June 2014, Himalayan Institute of Medical Sciences (HIMS), a 1200 bed super specialty hospital, i.e., Himalayan Hospital (HH) (both existing since 1998), and the only regional Cancer Research Institute (CRI) have been added as constituent college/academic units of SRHU. The University offers Diploma, UG, PG and Ph.D. programs in various specialties. The faculty members are actively involved in research projects through intramural grants and by external agencies like ICMR, DST, UCOST, NIPCCID, RNTCP etc. Publication of quality research papers is a regular process.

CHIEF PATRON

Dr. Vijay Dhasmana, *The President, Swami Rama Himalayan University, Jolly Grant, Dehradun*

PATRON

Dr. Rajendra Dobhal, *Vice Chancellor, Swami Rama Himalayan University, Jolly Grant, Dehradun*

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Dr. Ashok Deorari, *Principal, Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Jolly Grant, Dehradun*

Dr. Sunil Saini, *Director, Cancer Research Institute, Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Jolly Grant, Dehradun*

Dr. Shailendra Handu, *Dean Research, AIIMS, Rishikesh*

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Prof Naveen Navani, *Professor, Department of Biotechnology, IIT Roorkee*

SCIENTIFIC COMMITTEE

Dr Pawan Sharma, *Former Faculty, ICGEB, New Delhi*

Dr Urmi Bajpai, *Professor, Acharya Narendra Dev College, University of Delhi*

Dr Ranjana Pathania, *Professor, Department of Biosciences and Bioengineering, IIT Roorkee*

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Dr. Ashwani Chauhan, *Associate Professor, University of Delhi South Campus, N. Delhi*

Dr. Ramendra Pati Pandey, *Associate Professor, School of Health Science and Technology, UPES, Dehradun*

Dr. Saugat Hazra, *Associate Professor, Department of Biosciences and Bioengineering, IIT Roorkee*

POLICY GROUP

Dr V. M. Katoch, *Former DG, ICMR, New Delhi*

Dr. Kamini Walia, *Scientist G, Program Officer AMR, ICMR, New Delhi*

Dr Prasan K. Panda, *Additional Professor, Department of Internal Medicine, AIIMS, Rishikesh*

Dr. Jyoti Logani, *Scientist F, DBT*

Dr. Purnima Sharma, *MD, BCIL, New Delhi*

PROMINENT SPEAKERS

Dr V. M. Katoch, *Former DG, ICMR, Delhi*

Dr. Kamini Walia, *Scientist G, Program Officer AMR, ICMR, New Delhi*

Prof Rakesh Bhatnagar, *Former VC, Banaras Hindu University, Benares, UP*

Dr. Sarman Singh, *Former Director, AIIMS, Bhopal*

Dr. Ranjana Pathania, *Professor, Department of Biosciences and Bioengineering, IIT Roorkee*

Dr. Urmi Bajpai, *Professor, Acharya Narendra Dev College, University of Delhi*

Dr. Prasan Kumar Panda, *Additional Professor, Department of Internal Medicine, AIIMS, Rishikesh*

Dr. Ramendra Pati Pandey, *Associate Professor, School of Health Science and Technology, UPES, Dehradun*

Dr. Ashwani Chauhan, *Associate Professor, University of Delhi South Campus, N. Delhi*

Dr. Sugata Hazra, *Associate Professor, Department of Biosciences and Bioengineering, IIT Roorkee*

Dr. Bakulesh Khamar, *President, R & D, Cadila Pharmaceuticals, Ahmedabad, Gujarat*

Dr. B. Ravi Kumar, *Managing Director, XCyton, Bengaluru*

Dr. Chandrasekhar Nair, *CMD, Bigtec Labs (MolBio), Bengaluru*

Dr. Hema Jagota, *Country Director, Clinical Solution, Elsevier, New Delhi*

Dr. Amjad Hussain, *Director, HClE, SRHU, Dehradun*

SCIENTIFIC COLLABORATION

Department of Biotechnology, *Ministry of Science & Technology, Government of India, Delhi*
Elsevier, *India*

Association of Microbiologists of India

Swami Rama Himalayan University, *Jolly Grant, Dehradun*

ORGANIZING COMMITTEE

Convener

Dr. Bindu Dey, *Director, Research & Development Cell, Swami Rama Himalayan University, Jolly Grant, Dehradun*

Co-ordinator / Organizing Secretaries

Dr Vikas Singh Jadon, *Associate Professor, Himalayan School of Biosciences, Swami Rama Himalayan University, Jolly Grant, Dehradun*

Dr Vijay Kumar, *Associate Professor, Himalayan School of Biosciences, Swami Rama Himalayan University, Jolly Grant, Dehradun*

Dr Nikku Yadav, *Assistant Professor, Department of Community Medicine, Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Jolly Grant, Dehradun*

Dr Purandhi Roopmani, *Assistant Professor, Himalayan School of Biosciences, Swami Rama Himalayan University, Jolly Grant, Dehradun*

IMPORTANT DATES

Abstract Submission Starts:	20th January 2024
Registration Starts:	20th January 2024
Abstract Submission Closes:	20th March 2024
Intimation of Abstract Acceptance:	25th March 2024

IMPORTANT DETAILS

Abstract Submission: Submit the abstract in the prescribed format to the conference email only.

Paper Submission: Full papers on the subject matter be submitted to the conference email. (PDF file only). Abstract of the same be submitted as per above schedule. Selected papers will be published in relevant Journals associated with the conference.

Registration: <https://srhu.edu.in/amr-national-conference-srhu-2024/>

Category Fees

1. UG/PG/Research Scholars	500.00
2. Teachers/Scientists/Faculty	1000.00
3. Corporate Delegates/Industry personnel	2000.00

ACCOMMODATION

The accommodation will be arranged on payment basis if requested by the participants to the organizers. For more information, please call or email us.

Contact for more details

Dr Purandhi Roopmani: 8807632801

E-mail: amr.rdc@srhu.edu.in