



International Conference

# One World, One Health

6th - 7th December 2022



## ABOUT THE INTERNATIONAL CONFERENCE /

Organised at the premises of Chitkara University, the International Conference is the event that will conclude the first act of the **PREVENT IT** project. Indeed, far from being the project's last activity, this event will be the beginning of an interconnected network of surveillance on future health challenges in the framework of the One Health approach. The aim is to move from the capacity-building phase to a new phase, where universities, civil society organisations and professional organisations from India and Europe conduct joint research and awareness activities. Hence, this event will launch the nascent Indo-European One Health Association, the future network for antibiotic resistance prevention, aiming to exploit the capacity-building actions conducted under the aegis of the **PREVENT IT** project.

## OBJECTIVES /

With the participation of different international experts from different backgrounds, Prevent IT International Conference will be the perfect experience to introduce the One Health approach in the global health scenario. The event will be a unique occasion to understand the latest trends in Antibiotic Resistance risk management in India and Europe.

### **The International Conference has the following objectives: /**

- To provide a forum for scholars and doctoral students to present their research work, exchange ideas with peers, and obtain feedback on future research directions.
- To provide a common platform to share and exchange scientific information having benefits at large to society through the One Health approach.
- To sensitize and support young minds with updated trends in the research.
- To enhance the participants' soft skills through oral presentation in front of a panel of experts in their respective fields.

## TRACKS /

### **Track 1: Mechanisms of ABR acquisition and alternate strategies of control**

**Subthemes** – Mechanism of resistance (acquired and adaptive), Identification of resistance genes, New approach for rapid diagnosis of ABR, Role of bacteriophages, medicinal plants, vaccines, bacteriocins, marine plants or any other approach

### **Track 2: COVID 19 and ABR**

**Subthemes** – Impact of COVID on antibiotic use, effect of COVID on antibiotic stewardship, COVID and consumption of disinfectants

### **Track 3: Impact of Antibiotic stewardship program**

**Subthemes** – Antibiotic stewardship program, challenges faced in the implementation of antibiotic stewardship program in an LMIC setup, the status of the antibiotic program in your region

### **Track 4: Strategies to Prevent and Combat ABR**

**Subthemes** – Rational drug use, Antimicrobial surveillance, Infection prevention, Hand hygiene, Education & awareness, laws and policies, public communication and ABR, changing human behaviour- case studies, role of healthcare professional

### **Track 5: One Health: Solution to ABR**

**Subtheme** – Use of antibiotics in humans, animals & plants, laws and policies on One Health, Challenges to implement One Health, Strategies adopted at National level

**To obtain more information on the PREVENT IT project, visit [www.preventit.in](http://www.preventit.in).  
Join the fight against antimicrobial resistance!**

## International Conference 'One World, One Health'

DAY 1 – Tuesday - 6th December, 2022		Venue: Exploretorium Hall
Time	Activity	Led by
09:15 am - 10:30am	Registration	
10:30 am - 11:00 am	<b>Opening Remarks - Welcome address</b>	<b>H.E. Vincenzo De Luca</b> Ambassador Embassy of Italy in India <b>Benoît Sauveroché</b> First Counsellor, Delegation of the European Union to India and Bhutan <b>Dr. G Anupama</b> IAS, Additional Chief Secretary Health, Haryana <b>Dr. Madhu Chitkara</b> Pro Chancellor Chitkara University, Punjab
11:00 am - 11:15 am	<b>Official Opening - Lamp lighting and Bharatnatyam</b>	
11:15 am - 11:30 am	<b>Cultural event</b>	
11:30 am - 12:00 noon	<b>PREVENT IT   Risk Management and Prevention of Antibiotics Resistance Project</b> Achievements and results of the Erasmus+ PREVENT IT project	<b>Dr. Kiranjeet Kaur</b> PREVENT IT coordinator Chitkara Spaak Centre for Multidisciplinary European Studies Chitkara University, Punjab
12:00 noon - 12:30 pm	<b>Indo-European One Health Association</b> Official launch of the Indian-European One Health Association and speech by the President of the Association	<b>Chaired by</b> <b>Prof. Dr. Sudhir Kumar Satpathy</b> Head, Director, School of Public Health KIIT University, Odisha
12:30 pm - 13:30 pm	<b>Lunch Break</b>	
13:30 pm - 13:50 pm	<b>Introductory talk</b> Introduction to One Health and Antimicrobial Resistance	<b>Dr. Sanjeev K Singh</b> Chief Medical Superintendent Amrita Institute of Medical Sciences Amrita Vishwa Vidyapeetham, Kerala
13:50 pm - 14:30 pm	<b>Panel discussion</b> One Health, ABR and interdisciplinary approach: What are the challenges?	<b>Prof. Dr. Alessandra Polissi</b> Professor, Department of Pharmacological and Biomolecular Sciences, University of Milan, Italy <b>Prof. Dr. Jean V. McHale</b> Director of the Centre for Health Law Science and Policy, University of Birmingham, United Kingdom <b>Dr. Sanjeev K Singh</b> Chief Medical Superintendent Amrita Institute of Medical Sciences Amrita Vishwa Vidyapeetham, Kerala <b>Dr. Sunil Saroj</b> Professor, Symbiosis School of Biological Sciences Symbiosis International Deemed University, Maharashtra <b>Dr. Romans Putans</b> Faculty of European Studies Head of the Department of International Business and Economics Riga Stradiņš University, Latvia

		<p><b>Prof. Dr. Neelam Taneja</b> Professor, Dept of Medical Microbiology, Postgraduate Institute of Medical Education and Research, Chandigarh</p> <p><b>Moderator:</b> <b>Prof. Dr. Meenakshi Sood</b> Director, Institutional Ethics Committee Chitkara University, Punjab</p>
14:30 pm - 14:50 pm	<p><b>Introductory talk</b> Global Health, Science, Politics, and Society</p>	<p><b>Marcel Floor</b> Counsellor for Health Welfare and Sport, Embassy of the Kingdom of the Netherlands in India</p>
14:50 pm - 15:30 pm	<p><b>Panel discussion</b> Governing health: How EU and India can work together to implement One Health and fight antimicrobial resistance?</p>	<p><b>Dr. Areet Kaur</b> Former Director Health Services Punjab &amp; Consultant State Health Agency, Punjab</p> <p><b>Benoît Sauveroche</b> First Counsellor, Delegation of the European Union to India and Bhutan</p> <p><b>Dr. Dan Budnitz</b> Director, Medication Safety Program, US Centers for Disease Control and Prevention United States</p> <p><b>Prof. Dr. Paola Minghetti</b> Professor, Department of Pharmaceutical Sciences University of Milan, Italy</p> <p><b>Marcel Floor</b> Counsellor for Health, Welfare and Sport, Embassy of the Kingdom of the Netherlands in India</p> <p><b>Dr. Ricardo Baptista Leite</b> Head, Department of Public Health, Institute for Health Sciences, Católica University of Portugal, Portugal Member of the Portuguese Parliament</p> <p><b>Dr. G Anupama</b> IAS, Additional Chief Secretary Health Haryana</p> <p><b>Moderator:</b> <b>Elina Vroblevska</b> Head of Program, International Relations-European Studies Riga Stradins University, Latvia</p>

## International Conference 'One World, One Health'

Day - 2 - Wednesday, 7th December, 2022

Time	Activity	Led by
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### Track 1 - Mechanisms of Antibiotic resistance acquisition and alternate strategies of control

Chairs:

**Dr. Chiara G. M. Gennari**

Associate Professor, Department of Pharmaceutical Sciences, University of Milan, Italy

**Prof. Dr. Paola Minghetti**

Professor, Department of Pharmaceutical Sciences, University of Milan, Italy

**Dr. Sunil Saroj**

Professor, Symbiosis School of Biological Sciences Symbiosis International Deemed University, Maharashtra

**Venue: Einstein Hall, Ground floor, Galileo Block**

10:00 am - 10:30 am	<b>Expert Talk -</b> Non- Thermal plasmas for air purification and sanitation	<b>Prof. Dr. Claudia Riccardi</b> Professor, Department of Physics University of Milan Bicocca, Italy
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**Papers Findings: Mechanisms of ABR acquisition and alternate strategies of control**

10:30 am - 11:00 am	Phage therapy in veterinary sector: successes and failures	<b>Dr. Maninder Singh</b> Associate Professor, Guru Angad Dev Veterinary and Animal Sciences University, Punjab
11:00 am - 11:30 am	Prevalence of Class 1 Integrons in Escherichia coli Isolated from Wastewater Treatment Plants and River in South-Western Coastal India	<b>Gauri Kumar</b> Research scholar, Manipal Academy of Higher Education, Karnataka
11:30 am - 12:00 noon	Vancomycin resistant Enterococcus in poultry production environment	<b>Neha Parmar</b> Research scholar, Guru Angad Dev Veterinary and Animal Sciences University, Punjab
12:00 noon - 12:30 pm	Poultry and cattle farms as reservoirs of ESBL producing Escherichia coli	<b>Hina Malik</b> Research scholar, Guru Angad Dev Veterinary and Animal Sciences University, Punjab
12:30 pm - 13:00 pm	In vitro screening of antibacterial activity of polyphenolics against selected pathogenic bacteria	<b>Dr. Afroz Jahar</b> Assistant Professor, Guru Angad Dev Veterinary and Animal Sciences University, Punjab

**Track 2 - COVID 19 and Antibiotic Resistance**

Chairs:

**Dr. Carlos Palos**

Consultant on Internal Medicine, Catholic University of Portugal, Portugal  
 Coordinator, Infection Control and Antimicrobial Committee, Hospital Beatriz Ângelo - Luz Saúde, Portugal

**Prof. Niyati Das**

Principal, Kalinga Institute of Nursing Sciences, KIIT University, Odisha

**Dr. Prakash Narayanan Vasudevan**

Associated Professor, Prasanna School of Public Health, Manipal Academy of Higher Education, Karnataka

**Venue: Plato Hall, Second floor, Square One**

10:00 am - 10:30 am	<b>Expert Talk -</b> AMS practices in the post COVID era	<b>Prof. Dr. Vandana K. E.</b> Head, Department of Microbiology Kasturba Medical College, Manipal Academy of Higher Education Karnataka
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**Papers Findings: COVID 19 and Antibiotic Resistance**

10:30am - 11:00 am	Wastewater surveillance for trends in ABR: Post Covid-19 Pandemic	<b>Sae Zambre</b> Research Assistant, Symbiosis University, Maharashtra
11:00 am - 11:30 am	Antibiotic Drug Resistance and Covid 19- Challenges and Future Perspectives	<b>Ramanpreet Kaur</b> Student, Chitkara University, Punjab

11:30 am - 12:00 noon	Correlation between emergence of COVID-19 pandemic and increase in antimicrobial resistance	<b>Dr. Jay Prakash Yadav</b> Assistant Professor, Guru Angad Dev Veterinary and Animal Sciences University, Punjab
12:00 noon - 12:30 pm	Uncluttering the antibiotic prescriptions in COVID-19 and its aftermath: A call for coordinated and concerted action in the LMIC setting	<b>Fabia E. T.</b> Researcher, Amrita Vishwa Vidyapeetham, Kerala
12:30 pm - 13:00 pm	Antibiotic Resistance and Covid-19: An Overview	<b>Heena Khan</b> Research scholar Chitkara University, Punjab

### Track 3 - Impact of Antibiotic stewardship program

Chairs:

**Dr. Fathima Shameen**

Clinical Pharmacist, Amrita Institute of Medical Sciences, Amrita Vishwa Vidyapeetham, Kerala

**Prof. Gurbir Singh**

Professor Emeritus, Chitkara School of Health Sciences, Chitkara University, Punjab

**Olga Gershuni**

Researcher, Maastricht University, the Netherland

**Venue: Pulitzer Hall, Ground Floor, Picasso Block**

10:00 am - 10:30 pm	<b>Expert Talk -</b> Challenges in the implementation of Antimicrobial Stewardship Program	<b>Dr. Arya S Kumar and Dr. Radhika Krishnakumar</b> Clinical Pharmacist, Amrita Vishwa Vidyapeetham, Kerala
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### Papers Findings: Impact of Antibiotic stewardship program

10:30 am - 11:00 am	Knowledge, Attitude, and Practices of community pharmacists towards antimicrobial stewardship, in Mumbai	<b>Sreya Abraham</b> Executive, Community Investment United Way Mumbai, Maharashtra
11:00 am - 11:30 am	Antimicrobial stewardship and nosocomial infection	<b>Ashi Angel Singh</b> Research scholar, Shri Guru Ram Rai University, Uttarakhand
11:30 am - 12:00 noon	Development and Assessment of Awareness Module on Antimicrobial Resistance and Prevention for School Students in Punjab, India	<b>Dr. Pankaj Dhaka</b> Assistant Professor, Guru Angad Dev Veterinary and Animal Sciences University, Punjab
12:00 noon - 12:30 pm	Antibiotic Resistance in Patients with Cancer	<b>Monika Sharma</b> Research assistant, Chitkara University Punjab
12:30 pm - 13:00 pm	Impact of Antibiotic Stewardship Program in India- A meta-analysis	<b>Pallepogula Dinesh Raj</b> Research Associate, JIPMER Puducherry, Tamil Nadu

## Track 4 - Strategies to prevent and combat antibiotic resistance

Chairs:

**Dr. Himanshu Sekhar Pradhan**

Associate Professor, School of Public Health, Kalinga Institute of Industrial Technology, Odisha

**Dr. Nandita Shashindran**

Clinical Assistant Professor, Department of Microbiology, Amrita Institute of Medical Sciences, Kerala

**Dr. Rok Hrzic**

Researcher, Department of International Health, Maastricht University, the Netherlands

**Venue: Pierre Hall, Le Corbusier Block**

10:00 am - 10:30 am	<b>Expert Talk -</b> Health Education and the One Health concept	<b>Dr. Henrique Lopes</b> Associate Professor The Catholic University of Portugal Portugal
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## Papers Findings: Strategies to prevent and combat antibiotic resistance

10:30 am - 11:00 am	Antibacterial activity of bio-synthesized silver nanoparticles using aloe vera extract against food borne Bacteria	<b>Neha</b> Research scholar, Chitkara University Punjab
11:00am - 11:30 am	Effectiveness of a training program on the knowledge and awareness of antimicrobial resistance and stewardship among dental house-surgeons	<b>Dr. Venkitachalam Ramanarayanan</b> Reader, Amrita Vishwa Vidyapeetham Kerala
11:30 am - 12:00 noon	A cross sectional study to evaluate attitude towards the knowledge and rational use of antibiotics in South India Population	<b>Prof. Dr. A. Madeswaran</b> Professor, Karpagam College of Pharmacy, Tamil Nadu
12:00 noon - 12:30 pm	Effect of Lactic Acid Bacteria against Biofilm former Multidrug-resistant Staphylococcus aureus Isolates of Foods of Animal Origin	<b>Manjeet Sharan</b> Veterinary scholar, Guru Angad Dev Veterinary and Animal Sciences University, Punjab
12:30 pm - 13:00 pm	Understanding institutional prescription practices in Public Hospitals: Case study from India	<b>Arunima Mukherjee</b> Research scholar, University of Oslo Norway and Research Advisor, HISP Chandigarh

## Track 5 - One Health Approach as solution to antibiotics resistance

Chairs:

**Dr. Sanjay Pattanshetty**

Head, Department of Global Health Governance, Prasanna School of Public Health, Manipal Academy of Higher Education  
Karnataka

**Dr. Sreelekha Ray**

Executive Director, Voluntary Health Association of Tripura, Tripura

**Prof. Dr. Stefano Greco**

Director, Chitkara Spaak Centre for Multidisciplinary European Studies, Chitkara University, Punjab

**Venue: Sun Hall- Placement Cell**

10:00 am - 10:30 am	<b>Expert Talk -</b> Challenges for the One Health implementation	<b>Dr. José Francisco Pavão</b> Public Health Doctor, University of Portugal, Portugal
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## Papers Findings: One Health Approach as solution to antibiotics resistance

10:30 am - 11:00 am	Antimicrobial Resistance Research through the One Health Lens	<b>Issam Alsamara</b> Researcher and Lecturer Maastricht University, Maastricht
11:00 am - 11:30 am	Synthesis and Biological Activity of Coumarin Clubbed Thiazole Derivatives	<b>Hardeep Kaur</b> Research scholar ASBASJSM College of Pharmacy Punjab
11:30 am - 12:00 noon	Galaxy-ASIST: A web-based platform for mapping and assessment of global standards of antimicrobial susceptibility: Case study in Acinetobacter baumannii genomes	<b>Shreya Singh</b> Project Associate, Institute of Microbial Technology Chandigarh
12:00 noon - 12:30 pm	Food Safety aspects of Antibiotic Resistance in Food Products	<b>Dr. Sujata Pandit Sharma</b> Assistant Professor, Sharda University Uttar Pradesh
12:30 pm - 13:00 pm	ABR decreased by enhancing one health	<b>Dhriti</b> Student, Chitkara University, Punjab
13:00 pm - 14:00 pm	<b>Lunch break</b>	
14:00 pm - 14:40 pm	<b>Rangoli and Poster competition: Preventing Antimicrobial Resistance Together</b> Chairs: <b>Muni Mohan</b> Secretary, Rural Institute for Peoples Enlightenment, Andhra Pradesh <b>Sujit Ghosh</b> Assistant Director, Voluntary Health Association of Tripura, Tripura  <b>Venue: Exploretorium Hall</b>	

## Closing Ceremony

**Venue: Exploretorium Hall**

15:00 pm - 15:30 pm	<b>Expert Talk -</b> Antimicrobial resistance and One Health: What policy makers and citizens can do?		<b>Dr. Maarten van Dongen</b> Founder, AMR Insights B.V., The Netherlands
15:30 pm - 15:40 pm	<b>Cultural event</b>		
15:40 pm - 15:50 pm	<b>Valedictory</b>	To felicitate the winners with prizes	<b>Dr. Kiranjeet Kaur</b> PREVENT IT coordinator Chitkara Spaak Centre for Multidisciplinary European Studies Chitkara University, Punjab
15:50 pm - 16:00 pm	<b>Vote of thanks</b>	To express gratitude to the speakers, students and organizing committee	<b>Joana Camilo Lopes</b> Executive Director, Creating Health Institute of Health Sciences The Catholic University of Portugal Portugal







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