



One Health Annual Conference (OHC) - 2026

Date: 9th & 10th October 2026 Email: ohioconferences@gmail.com

Venue: Guru Nanak Dev University, Amritsar, India

Web: www.onehealth-in.org/one-health-conference-2

Organized by: One Health India Organization, New Delhi with Guru Nanak Dev University, Amritsar



Scientific Program 9th OCTOBER 2026 (Friday)

Theme: "Integrating Human, Animal & Environmental Health for Sustainable Futures"

DAY 1- 9 OCTOBER 2026, FRIDAY		
THEME: One Health, Cancer, Infectious Diseases & Global Health		
8.30-09.30 A.M	Registration & Breakfast	
09:30-09:35 A.M	Welcome address, about the conference	Dr. Birendra Kr. Yadav (Convener and Organizing Chair) Dr. Suresh Singh Yadav (Co-convener and CO- Organizing Chair)
09:35-09:40 A.M	Lamp lightening	Dignitaries Present on the Dais
09:40-09:48 A.M	Inaugural Address	TBD
	Address by Guest of Honor	Prof. Dr. Vasudha Sambyal (Professor & Director GJCEI, GNDU, Amritsar)
09:48-09:55 A.M	Address by Chief Guest	Prof. (Dr.) Harvinder Saini, Dean, Academic Affairs, GNDU, Amritsar
09:55-10:05 A.M	OHIO 2026 Award announcement	Dr. Birendra Kumar Yadav National Director, One Health India Organisation, New Delhi
10:05-10:15 A.M	Vote of thanks and abstract book release	Prof. (Dr.) K.K. Pandey Ex. Sr. Prof. & HOD FoAy, IMS BHU , BBIFCC Fellow & Advisor
10:20–10:50 ☕ Tea & Networking Break		
Keynote Session		Chairpersons:

		Prof. (Dr.) Naresh Kumar Singh, Director of Research at the Bihar Animal Sciences University(BASU)
10:50–11:15 A.M	Cancer: A Globally Challenged Non-Communicable Disease and Perspectives of Holistic Approach of Treatment	Prof. (Dr.) K.K. Pandey Ex. Sr. Prof. & HOD FoAy, IMS BHU , BBIFCC Fellow & Advisor
SESSION I:	Cancer, Precision Medicine & Translational Health	Chairpersons: Dr. Kamlesh Guleria Prof. and HOD of Human Genetics, GNDU, Amritsar Dr. Prof. (Dr.) K.K. Pandey Ex. Sr. Prof. & HOD, FoAy, IMS BHU, BBIFCC Fellow & Advisor
11:15-11:35 A.M	Epigenetic Reprogramming in Cancer: A One Health Perspective for Precision Oncology and Translational Therapeutics	Dr. Umesh Kumar Professor & Assistant Director, University Centre for Research & Development, Chandigarh University
11:35-11:55 A.M	Long Non-Coding RNAs as Emerging and Reliable Molecular Signatures in Oral Squamous Cell Carcinoma	Dr. Shelly Sehgal Associate Professor, Centre for Molecular Biology, Central University of Jammu
SESSION 2:	One Health, Zoonoses & Infectious Diseases	Chairpersons: Dr. Gagandeep Kaur Gahlay Associate Professor and Head Department of Mol. Bio. & Biochem., GNDU, Amritsar Dr. Praveen Kumar Mehta Professor, Centre for Computational Biology and Bioinformatics, Central University of Himachal Pradesh, Dharamshala
12:00 A.M - 12:20 P.M	Veterinary Science and One Health: Connecting the Dots across Species and Sectors	Dr. Simranpreet Kaur Professor, Centre for One Health, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana
12:20-12:40 P.M	Beyond the Patients: A One Health Perspective on Visceral Leishmaniasis in India	Dr. Rajiv Kumar Assistant Professor Centre of Experimental Medicine & Surgery, Institute of Medical Sciences, Banaras Hindu University

12:40-13:00 P.M	Impact of Fungal Infections on Human Health	Dr. Manjot Kaur, Assistant Professor, School of Pharmacy, Khalsa University, Amritsar
13:00-14:20 P.M	Lunch, Poster Presentation & Exhibition	Poster Viewing • Poster Judging • Networking • Exhibition
SESSION 3:	Antimicrobial Resistance & Emerging Therapeutic Strategies	Chairperson: Dr. Vasudha Sambyal (Professor & Director GJCEI, GNDU, Amritsar) Dr. Ashok Kumar Yadav Professor, Department of Zoology, Central University of Jammu, Jammu, J&K
14:20-14:40 P.M	Phytochemicals as Multi-Target Strategies against Antimicrobial Resistance in the One Health Ecosystem	Dr. Sonia Kaushal Chemist, Department of Chemistry, Punjab Agricultural University, Ludhiana
14:40 –15:00 P.M	Targeting the MksB Condensin Complex: Exploiting Novel Structural Vulnerabilities to Block Mycobacterial Chromosome Condensation	Dr. Ravi Kumar Associate Professor, School of Biotechnology, Jawaharlal Nehru University, New Delhi
15:00-15:20 P.M	PVC-Plastics, a threat to Mental and Physical health: Is it changing the disease dynamics in India	Dr. Rita Singh Professor, Department of Zoology, University of Delhi, New Delhi
SESSION 4:	One Health Policy, Evidence & Global Health Challenges	Chairpersons: Dr. Rita Singh Professor, Department of Zoology, University of Delhi, New Delhi Dr. Sachin Kumar Assistant Professor, Department of Apparel and textile Technology, GNDU, Amritsar
15:30--15:50 P.M	Modernising Biomedical Research and Regulatory Policies to Advance Human Health	Dr. Anjana Aggarwal Scientist & Research Policy Advisor, PETA India

15:50--16:10 P.M	From Evidence to Action: Interdisciplinary One Health Approaches to Emerging Global Health Challenges	Dr. Rashi Sharma Associate Professor, Faculty of Ayurveda, IMS, BHU
16:10--16:20 P.M	Interactive Scientific Discussion & Audience Engagement	
16:20- 17:20	Young Scientists – Oral Presentations	Chairpersons: Dr. Rajiv Kumar Assistant Professor Centre of Experimental Medicine and Surgery, IMS, BHU Varanasi Dr. Akhilendra Kumar Maurya Assistant Professor, Department of Zoology, Institute of Science, Banaras Hindu University
19:30- 21:00 DINNER		
DAY 2 – 10 OCTOBER 2026, SATURDAY THEME: Environment, Sustainability, Emerging Technologies & Future of One Health		
6:15-07.30	BBIFCC CANCER AWARENESS WALKETHON <i>Promoting health awareness, healthy lifestyles and the One Health approach</i>	Organized by BBIF Cancer Care & Guru Nanak Dev University
8.30-09.30 Registration & Breakfast		
	Keynote Session	Chairpersons: Dr. Birendra K Yadav National Director, OHIO, New Delhi
9.30-10.00	Bridging Epidemiology, Molecular Pathology Artificial Intelligence and Biobanking: Building Foundation for Precision Medicine and Digital Health	Dr. Umesh Bhanot, MSKCC, New York, USA
SESSION 5:	Environment, Sustainability & One Health	Chairpersons: Dr. Jyoti Parkash

		Associate Professor, Department of Zoology, School of Basic Sciences, Central University of Punjab, Bathinda Dr. Rachna Hora Professor, Department of Molecular Biology and Biochemistry, GNDU, Amritsar
10:15–10:35 A.M	Identification, Characterization and Evaluation of Indigenous Potential Probiotic <i>Lactobacillus</i> Strains for Nutraceutical and Health Applications	Prof. Ashok Kumar Yadav Department of Zoology, Central University of Jammu, J&K
10:35–10:55 A.M	Bridging Waste Utilization and Health: Thermostable Levan Production, Structural Analysis, and Sustainable Bio-Film Fabrication for Food Packaging	Dr. Praveen Kumar Mehta Professor, Centre for Computational Biology and Bioinformatics, Central University of Himachal Pradesh, Dharamshala
10:55–11:15 A.M	Timing the Clock using photic and non-photic cues to alleviate circadian disruption in mice	Dr. Dhanananajay Kumar Associate Professor, Department of Zoology, Central University of Jammu, Jammu
SESSION 6	Molecular Biology, Neuroscience & Human Health	Chairpersons: Dr. Harish Changotra, Professor, Department of Molecular Biology and Biochemistry, GNDU, Amritsar Dr. Dhanananajay Kumar Associate Professor, Department of Zoology, Central University of Jammu, Jammu
11:15–11:35 A.M	KNDy/nNOS Neurons Interplay in GnRH Development and Regulation in the Adult Brain	Dr. Jyoti Parkash Associate Professor, Department of Zoology, School of Basic Sciences, Central University of Punjab, Bathinda
11:35–11:55 A.M	The SPRTN Protease and the Molecular Logic of DNA-Protein Crosslink Metabolism	Dr. Swagata Halder DPhil, Assistant Professor, Biological Systems Engineering, Plaksha University
11:55A.M–12:15P.M	From Histones to Ribosomes: Decoding Gene Expression from Chromatin to Cellular Function	Dr. Rohini Ravindran Nair Assistant Professor, Department of Medical Biotechnology, Gujarat Biotechnology University,

		Gandhinagar
12:15–12:35 P.M	Mapping the Regulatory Architecture of Ischemic Stroke	Dr. Arti Sharma Assistant Professor, Department of Computational Sciences, Central University of Punjab
SESSION 7	Phytochemicals, Ayurveda & Integrative Health	Chairpersons: Dr. Satwinderjeet Kaur Professor, Department of Botanical and Environmental Sciences, GNDU, Amritsar Dr. Rohini Ravindran Nair Assistant Professor, Department of Medical Biotechnology, Gujarat Biotechnology University, Gandhinagar
12:35–12:55 P.M	Unlocking Phytochemical Potential: Gut Microbiota and ER Stress Pathways in Colorectal Cancer Prevention	Dr. Akhilendra Kumar Maurya Assistant Professor, Biochemistry & Molecular Biology Lab, Department of Zoology, Institute of Science, Banaras Hindu University
12:55–13:15 P.M	Antiproliferative Effect of Some Ayurvedic Drugs in the Management of Psoriasis: A Clinical and Experimental Study	Dr. O. P. Singh Professor & Former Head, Department of Kayachikitsa, FoA, IMS, BHU, Varanasi
13:15–14:15 LUNCH		
	Panel Discussion One Health at The Interface Of Molecules, Microbiome, Medicine And Biobanking	Moderator: Dr. Naresh Kumar Singh, Director of Research at the Bihar Animal Sciences University (BASU) Panelists • Dr. K.K. Pandey • Dr. Birendra Kumar Yadav • Dr. Akhilendra Kumar Maurya • Dr. Rohini Ravindran Nair • Dr. Sonia Kaushal
14:15–15:00 P.M	★ VALEDICTORY FUNCTION & AWARDS ★	Oral and Poster Awards; reel competition award.
15:00	Vote of Thanks	