



**NAVRACHANA  
UNIVERSITY**

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# International Conference on **Metabolism, Toxicology, Diagnostics and Therapeutics 2026**

Organised by School of Science

**Wednesday to Friday  
28<sup>th</sup> to 30<sup>th</sup> January, 2026**

Event Sponsor



[www.icmtdt.in](http://www.icmtdt.in)



## About The Conference

The **International Conference on Metabolism, Toxicology, Diagnostics and Therapeutics (ICMTDT)** is a premier global platform for advancing scientific dialogue and collaboration in these crucial fields. Hosted at **Navrachana University, Vadodara**, this interdisciplinary conference unites leading researchers, scientists, clinicians, and industry experts to explore the latest breakthroughs and challenges in metabolism, toxicology, and therapeutic sciences.

Metabolism, toxicology, and therapeutics are foundational pillars of life sciences with profound implications for both human and plant health. ICMTDT is committed to addressing advances in lifesciences and critical issues such as metabolic disorders, drug-induced toxicity, plant secondary metabolites, microbial interaction, and the development of cutting-edge therapies. The conference will offer in-depth insights into pressing global health challenges, including obesity, diabetes, cancer, and environmental toxicity resulting from pollutants and chemicals.

ICMTDT is not just a platform for knowledge dissemination—it is a hub for collaboration and innovation. Attendees will have the opportunity to connect with peers, foster research partnerships, and explore funding opportunities. Industry participants will showcase emerging technologies, novel research tools, and groundbreaking therapeutic advancements, bridging the gap between academia, industry, and healthcare.

### *The conference will feature an engaging program, including:*

- Keynote lectures by globally renowned experts
- Plenary sessions on cutting-edge scientific developments
- Interactive panel discussions tackling real-world challenges
- Hands-on workshops for skill-building and practical insights
- Oral and poster presentations offering a platform for emerging researchers

Whether you are an established professional or an aspiring scientist, ICMTDT offers an unparalleled opportunity to expand your knowledge, engage with thought leaders, and contribute to shaping the future of healthcare and public health.



## Themes

### **METABOLIC HEALTH, DISEASE AND PRECISION NUTRITION**

- Homeostasis and Metabolic Regulation
- Chronic illness and Metabolic Disorders
- Nutrigenomics and Personalized Nutrition
- Nutritional Interventions for Metabolic Health

### **PLANT METABOLITES AS EMERGING THERAPEUTICS AND NUTRACEUTICALS**

- Phytotherapeutics
- Plant-Based Nutraceuticals for Metabolic and Chronic Diseases
- Extraction, Bioavailability, and Formulation of Plant Metabolites
- Role of Plant Metabolites in Gut Health and Immunity
- Sustainability and Future Prospects of Herbal Therapeutics

### **REGENERATIVE MEDICINE AND EMERGING BIOTECHNOLOGIES**

- Stem Cell Therapy and Tissue Engineering
- Gene Editing and Cellular Reprogramming
- 3D Bioprinting and Artificial Organs
- Nanotechnology and Drug Delivery in Regenerative Medicine
- Ethical, Regulatory, and Clinical Challenges in Regenerative Medicine

### **TOXICOLOGY AND ENVIRONMENTAL HEALTH**

- Environmental Pollutants and Human Health
- Food and Agricultural Toxicology
- Occupational and Industrial Toxicology
- Molecular and Clinical Toxicology
- Climate Change and Environmental Health
- Regulatory Toxicology

### **DISEASE DIAGNOSTICS AND DRUG DEVELOPMENT**

- Advances in Biomarkers and Early Disease Detection
- Emerging Technologies in Precision Medicine
- Innovations in Drug Discovery and Development
- Nanotechnology and Drug Delivery Systems
- Regulatory Challenges and Ethical Considerations in Drug Development

### **MICROBIOME-BASED SOLUTIONS FOR SYSTEMIC HEALTH**

- Gut Microbiome and Metabolic Health
- Microbiome-Targeted Therapies in Immune and Inflammatory Disorders
- The Gut-Brain Axis and Neurological Health
- Microbiome in Precision Nutrition and Personalized Medicine.
- Next-Generation Microbiome-Based Therapeutics





## Guest of Honor



**Prof. L. S. Shashidhara**

FASc FNASc FNA  
Director, NCBS-TIFR Bengaluru

## Speakers



**Prof. T. P. Singh**  
AIIMS, Delhi



**Prof. Hamid Habibi**  
University of Calgary,  
Canada



**Prof. Matt Vijayan**  
University of Calgary,  
Canada



**Prof. Oliana Carnevali**  
Università Politecnica  
delle Marche, Italy



**Prof. Giulia Guerriero**  
Univ. of Naples, Italy



**Prof. Gopal Achari**  
University of Calgary,  
Canada



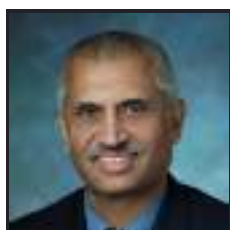
**Prof. Adolfo Garcia-Ocana**  
Arthur Riggs Diabetes &  
Metabolism Research  
Institute, California, USA



**Dr. Ami Raval**  
Miller School of Medicine,  
Miami, USA



**Prof. Michael Aruldas**



**Dr. Venu Raman**  
John Hopkins  
School of Medicine, USA



**Prof. Rakesh Tyagi**  
Jawaharlal Nehru University  
New Delhi



**Prof. Ishwar Parhar**  
Monash University,  
Malaysia



## Speakers



**Dr. Chin-Kun Wang**  
Distinguished Professor,  
Chung Shan Medical  
University, Taiwan



**Dr. Pradeep Kumar**  
Emeritus Scientist,  
University of Kerala, India



**Dr. Malini Laloraya**  
Emeritus Scientist,  
University of Kerala, India



**Prof. Mohamed Akbarsha**  
Advisor,  
Jamal Vaccine Research Centre,  
Tiruchirappalli



**Dr. T. Rajamannar**  
Sun Pharma, Vadodara, India



**Prof. Suresh Mishra,**  
University of Manitoba  
Canada



**Dr. Rebecca Garcia**  
Bob Jones University,  
USA



**Dr. Deepak Modi**  
NIRRH, Mumbai, India



**Dr. C. N. Ramchand**  
CEO Theragen Biologics,  
Chennai, India



**Dr. M. Rajlakshmi**  
Holly Cross Collage,  
Trichy, India



**Dr. Sreejith P. Panicker**  
University of Kerala,  
Kerala, India



**Dr. Mayuranki Almaula**  
Director, Cosara Diagnostics,  
Vadodara, India



**Dr. Ravindrapal Singh**  
GBU, Gandhinagar, India



**Prof. Amit Singh**  
Indian Institute of Science  
(IISc)



**Dr. S. Winkins Santosh**  
Chennai



**Dr. Harsh Sheth**  
FRIGE  
Institute of Human Genetics



## Speakers



**Dr. Saman Habib**  
Chief Scientist and Professor,  
CSIR-CDRI



**Prof. Laxmi Inamdar**  
Professor of Zoology,  
Karnatak University,  
Dharwad, Karnataka, India



**Dr. B. Senthilkumaran, IASc**  
Senior Professor,  
Department of Animal Biology,  
University of Hyderabad



**Prof. Raghuvir Singh Tomar,**  
Professor, ISSER Bhopal



**Dr. Sumathy Ramasamy**  
DHR- ICMR Women Scientist,  
Department of Biochemistry,  
CSIR-CFTRI in Mysuru,  
Karnataka, India



**Dr. Rajesh Kumar Jha**  
Senior Principal Scientist,  
Hon. Associate Professor AcSIR,  
CSIR-Central Drug Research Institute,  
Lucknow



**Prof. Hemalatha Balaram**  
Fellow Indian National Science Academy  
and Indian Academy of sciences,  
Resident Honorary Professor,  
Molecular Biology and Genetics Unit,  
JNCASR, Bengaluru



**Dr. Jana Kent,**  
Senior Research Scientist,  
CO Diagnostics, Inc.



**Prof. Harish Padh**  
Former Vice Chancellor,  
Sardar Patel University,  
VV, Anand.



**Prof. M N V Prasad**  
Retired Professor and Formerly Dean,  
School of Life Sciences  
University of Hyderabad,  
HYDERABAD



**Prof. Vasudev Thakkar**  
Post Graduate Department of Biosciences, Director and Senior Restoration Ecologist,  
Sardar Patel University,  
Vallabh Vidyanagar.



**Damien Cook**  
Director and Senior Restoration Ecologist,  
Wetland Revival Trust,  
Australia.



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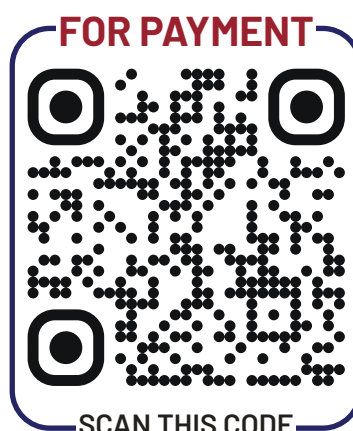
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**| Ms. Drashti Mehta**  
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## Registration Fees

	DOMESTIC	INTERNATIONAL
Faculty Members and Scientist	Rs. 5500	\$ 100
Industry and Clinicians	Rs. 6500	\$ 150
Research Students (Stipendiary)	Rs. 4000	\$ 75
Research Students (Non - Stipendiary)	Rs. 3000	\$ 75
PG/UG Students	Rs. 2500	\$50
PG/UG Students (For NUV)	Rs. 2000	
Accompanying Person	Rs. 3000	\$80



**Last Date of Registration & Abstract Submission : 31<sup>st</sup> October 2025**

**For conference details and accommodation:**

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parthp@nuv.ac.in | +91-9924-733-700

Dr. Monisha Kottayi (Joint Organizing Secretary)  
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