

Tamil Nadu State Council for Science and Technology (TNSCST) sponsored

INTERNATIONAL CONFERENCE ON GLOBAL ONE HEALTH 2030

Integrating Human, Animal &
Environmental Health for Global Resilience

Organized by

Departments of Life Sciences

Supported by DBT Builder Programme



07 & 08 August, 2026

website: www.globalonehealth.rvscas.ac.in/

SUPPORTED BY


equipment beyond imaginations
EBI LAB EQUIPMENTS PVT. LTD.

 **Medox**



ABOUT THE COLLEGE

RVS College of Arts and Science, an Autonomous Institution affiliated to Bharathiar University, Coimbatore, was established in 1986 with a commitment to academic excellence, innovation, and societal development. Reaccredited with an 'A+' Grade by NAAC, the college offers industry-aligned undergraduate, postgraduate, and doctoral programmes in Biochemistry, Microbiology, Biotechnology, Foods & Nutrition, Electronics, Computer Science, Commerce, Management, English, and Mathematics. It is recognized for outcome-based education, research-driven learning, industry collaborations, and modern infrastructure. The institution promotes interdisciplinary research, scientific innovation, sustainable development, and community engagement. Its research ecosystem is strengthened by nationally funded facilities under the DBT-STAR College Scheme, DST-FIST, and DBT-BUILDER, providing advanced laboratories, sophisticated instrumentation, and excellent support for high-quality research, innovation, and capacity building in life sciences and allied disciplines.

ORGANIZING DEPARTMENTS

Department of Biochemistry (Established 1996)

The Department of Biochemistry offers Undergraduate, Postgraduate and Doctoral programmes with a focus on the molecular basis of life and disease. Research activities encompass Clinical Biochemistry, Molecular Diagnostics, Cancer Biology, Enzymology, Metabolic Disorders, Biomarker Discovery, Nutritional Biochemistry, Proteomics, and Cellular Biochemistry. The department provides a research-oriented learning environment supported by modern analytical instrumentation and interdisciplinary collaborations.

Department of Biotechnology (Established 2002)

The Department of Biotechnology offers Undergraduate, Postgraduate, and Doctoral programmes with a strong foundation in modern biological sciences and translational research. The department emphasizes Molecular Biology, Genetic Engineering, Pharmaceutical Biotechnology, Industrial Biotechnology, Plant and Animal Tissue Culture, Bioinformatics, Drug Discovery, and Omics Technologies. Equipped with advanced laboratories and research facilities, the department actively promotes interdisciplinary research, innovation, entrepreneurship, and industry-academia collaborations.

Department of Microbiology (Established 1996)

The Department of Microbiology offers Undergraduate, Postgraduate, and Doctoral programmes dedicated to the study of microorganisms and their applications in healthcare, agriculture, industry, and the environment. Major research areas include Medical Microbiology, Microbial Biotechnology, Environmental Microbiology, Industrial Microbiology, Food Microbiology, Antimicrobial Resistance, Infectious Diseases, Microbial Genomics, and Applied Microbiology. The department fosters research excellence through advanced laboratory training and collaborative research initiatives.

Department of Foods & Nutrition (Established 1996)

The Department of Food & Nutrition offers Undergraduate, Postgraduate, and Doctoral programmes dedicated to advancing nutritional sciences, food quality, and human health. The department's research focuses on Clinical Nutrition, Public Health Nutrition, Functional Foods, Nutraceuticals, Food Safety and Quality Assurance, Food Processing and Preservation, Therapeutic Nutrition, Nutritional Biochemistry, Lifestyle Disorders, and Community Nutrition. Through modern laboratories and research-based education, the department promotes innovation in food science and nutrition research.

Department of Electronics (Established 1996)

The Department of Electronics offers Undergraduate, Postgraduate, and Doctoral programmes with a strong emphasis on electronics, embedded technologies, communication systems, and intelligent instrumentation. The department's research areas include Embedded Systems, Internet of Things (IoT), VLSI Design, Signal and Image Processing, Artificial Intelligence Applications, Biomedical Instrumentation, Sensor Technologies, Wireless Communication, and Automation. Supported by well-equipped laboratories and industry collaborations, the department encourages innovation, interdisciplinary research, and technology development addressing contemporary scientific and industrial challenges.



ABOUT THE CONFERENCE:

Global challenges such as emerging infectious diseases, antimicrobial resistance, food insecurity, climate change, biodiversity loss, environmental pollution, and lifestyle disorders increasingly demonstrate the interconnectedness of human, animal, environmental, and food system health.

The One Health approach provides a collaborative, multidisciplinary framework that recognizes these interdependencies and promotes integrated solutions to achieve sustainable global health outcomes. In alignment with the United Nations Sustainable Development Goals (SDGs 2, 3, 6, 13, 14, and 15), the International Conference on “Global One Health 2030” seeks to bring together scientists, healthcare professionals, veterinarians, environmental experts, nutritionists, policymakers, academicians, research scholars, and industry leaders from around the world.

The conference aims to:

- Foster interdisciplinary collaboration among health, environmental, agricultural, and food science sectors.
- Promote innovative research addressing global health challenges.
- Encourage evidence-based policy discussions for sustainable development.
- Highlight advances in disease surveillance, advanced diagnostics, prevention, and management.
- Strengthen resilience against future pandemics, climate-related health risks, and food security challenges.
- Facilitate knowledge exchange between academia, industry, healthcare organizations, and government agencies.

The conference will serve as a premier platform for presenting cutting-edge research, networking with global experts, and advancing collaborative solutions for a healthier and more sustainable future.

CONFERENCE THEMES

Human Health and Disease

- Emerging and Re-emerging Infectious Diseases
- Public Health and Epidemiology
- Non-Communicable Diseases and Lifestyle Disorders
- Chronic Kidney Disease (CKD) in Research
- Clinical Diagnostics, lab-on chip, advanced sensors and Precision Medicine
- Pandemic Preparedness and Response

Animal Health and Veterinary Sciences

- Zoonotic Diseases and Surveillance
- Livestock Health and Production Systems
- Veterinary Public Health
- Wildlife Health and Conservation

Biotechnology and Innovation

- Microbiome and One Health
- Bioprospecting and Industrial application
- Artificial Intelligence in Healthcare
- Molecular Diagnostics and Genomics
- Biopharmaceuticals and Vaccine Development
- Precision Agriculture and Smart Farming

Environmental Health and Sustainability

- Climate Change and Health
- Environmental Pollution and Toxicology
- Biodiversity and Ecosystem Health
- Environmental Monitoring and Risk Assessment
- Waste Management
- Green Technologies and Circular Bioeconomy

Food, Nutrition and Food Safety

- Food Security and Sustainable Food Systems
- Nutrition and Public Health
- Functional Foods and Nutraceuticals
- Food Quality Assurance and Food Safety
- Food Microbiology and Foodborne Diseases

Indigenous and Community-Based Health Systems

- Indigenous Knowledge Systems
- Traditional Medicine and Integrative Healthcare
- Community Engagement and Health Education
- Policy Frameworks for One Health

SPEAKERS



Padma Shree Dr. V. Mohan
Chairman: Dr. Mohan's Diabetes Specialities
Centre,
Madras Diabetes Research Foundation
(ICMR-CCoE), Chennai, India.



Dr. Kavitha Ramasamy
Joint Director,
Food Safety and Standards Authority of India
(FSSAI),
New Delhi



Prof. Dr. Deepa Kandaswamy
Professor & Head,
Department of Anatomy, Faculty of Medicine,
Quest International University Malaysia



Karthikeyan Murugesan
Associate Professor,
Department of Microbiology,
Faculty of Medicine,
Quest International University, Malaysia



Dr. Ravindran Chandran
Associate Professor
Department of Horticulture
Tamil Nadu Agricultural University, Madurai,
Tamil Nadu, India



Dr. Shanmugaraju S
Associate Professor,
Department of Chemistry,
Indian Institute of Technology (IIT) Palakkad



Dr. M. Sridhar Muthusami
Associate Professor,
Head, Cancer Research Centre,
Karpagam Academy of Higher Education,
Coimbatore, India



Prof. E.M. Shankar
Professor,
Department of Biotechnology,
Central University of Tamil Nadu



Prof. Saravanan Muthupandian
Professor,
University of Tabuk,
Kingdom of Saudi Arabia



Dr. A. K. Thiruvankadan
Dean,
College of Poultry Production
and Management, Hosur



Who can participate?

Life science graduates, Post graduates, Research scholars, Faculty, Professionals, Industrialist from Research Institutes, Laboratories and Corporate Institutes can participate.

Oral and Poster Presentation

The duration for oral presentation will be 07 minutes (05 minutes for presentation and 02 minutes for discussion).

The size of the E-poster should be 120 X 80 cm.

Google form link

Registration: <https://forms.gle/b2HGsnEmslgEpd9q8>

ABSTRACT GUIDELINES

Abstract must be limited to a maximum of 250 words. It should include a clear indication of the purpose of research, methodology, major results, and conclusions. The authors should clearly mention their preference for oral or poster presentation and thrust area to which the research paper is based.

The following format must be followed.

Title	: Times New Roman 12 Bold in Capital letters
Author information	: Times New Roman 12; Italics Title and Abstract must be double-lined spaced
Abstract	: Times New Roman 12; 1.15 line spacing
Margins	: 1" on all sides of A4-size paper

CALENDER OF EVENTS:

Call for abstracts	June 2026
Registration opens	July 2026
Last date for abstract submission	30 July 2026
Communication of acceptance	31 July 2026
Early bird registration ends	28 July 2026
Late registration ends	05 Aug 2026

PUBLICATION

ACCEPTED PAPERS WILL BE PUBLISHED IN THE CONFERENCE PROCEEDINGS WITH ISBN NO. IN SPRINGER

* AWAITING FOR SPRINGER APPROVAL JOURNALS



Springer

(BIOLOGIA, 3BIOTECH, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, WASTE AND BIOMASS VALORIZATION)

ADVISORY COMMITTEE

- **Dr. Deepak Modi**, Scientist G, Department of Molecular and Cellular Biology, ICMR-NIRWOH, Mumbai – 400012, India.
- **Dr. Vincent Savariar**, Member Secretary – Tamil Nadu State Council for Science and Technology DOTE Campus, Chennai 600025.
- **Dr. J. Angayarkanni**, Head and Professor, Department of Microbial Biotechnology Bharathiar University, Coimbatore – 641046, India.
- **Dr. Muthusamy Ramakrishnan**, Professor, Nanjing Forestry University, Nanjing, China.
- **Dr. Balamuralikrishnan Balasubramanian**, Associate Professor, Department of Food Science and Biotechnology, College of Life Sciences, Sejong University, Seoul, South Korea.
- **Dr. Binod P.**, Scientist-E, CSIR-NIIST, Kerala – 695019, India.
- **Dr. S. K. Rajkishore**, Professor, Department of Environmental Science, Tamil Nadu Agricultural University, Coimbatore – 641003, India.
- **Dr. Ravindran Chandra**, Associate Professor, Department of Horticulture, Tamil Nadu Agricultural University, Madurai – 625104, India.
- **Dr. J. Sukumar**, Senior Scientist & Head, Agronomy Division, RVS Krishi Vigyan Kendra, Tenkasi – 627751, India.
- **Dr. M. Sridhar Muthusami**, Associate Professor and Head, Cancer Research Centre, Karpagam Academy of Higher Education, Coimbatore – 641021, India.
- **Dr. Remya Mohanraj**, Professor, Department of Biology, Lone Star College CyFair, HSC2, 145 Division 2, 9191 Barker Cypress Road, Cypress, TX 77433, USA.
- **Dr. Sabarathinam Shanmugam**, Assistant Professor (Wood Chemistry and Biorefining), Estonian University of Life Sciences, Estonia.
- **Dr. Kalandar Ameer**, Senior Associate Professor in Biochemistry, Faculty of Medicine, AIMST University, Bedong, Kedah – 08100, Malaysia.

ORGANIZING COMMITTEE

CHIEF PATRONS

Dr. K. Senthil Ganesh
Managing Trustee, RVS Educational Trust

.....
Dr. Saramma Samuel
Secretary, RVS Educational Institutions

Smt. S. Srividya Lakshmi
Correspondent, RVS Educational Trust

.....
Dr. T. Sivakumar
Principal, RVS College of Arts and Science

CONVENOR

Dr. M. P. Ayyappa Das
Vice-Principal
RVS College of Arts and Science

ORGANIZING SECRETARIES

Dr. Parimala Gnana Soundari. A
Research Scientific Officer
RVS College of Arts and Science

Dr. R. Usha
Associate Professor,
Department of Microbiology
RVS College of Arts and Science

Associate program chairs

Dr.Dhanabalan R	- Head, Dept. of Microbiology, RVS CAS
Dr. Angeline Esther Preethi S	- Head, Dept. of Foods & Nutrition, RVS CAS
Dr. Shamina S	- Head, Dept. of Biochemistry, RVS CAS
Dr. Renugadevi R	- Head, Dept. of Biotechnology, RVS CAS
Dr. Venkateswari P	- Head, Dept. of Electronics, RVS CAS

For Details and Registrations Contact:

Dr. Saranya R. S

Assistant Professor in Biotechnology

RVS College of Arts and Science, Sulur, Coimbatore



+91 91711 10332



saranya.rs@rvsgroup.com

PAYMENT METHOD

- At least 1 author of accepted paper must register and complete the payment before the conference in order for the paper to be included in the conference.
- After your payment, you have to upload the payment proof of the bank transfer to globalonehealthrvs@gmail.com

SCAN & PAY

UPI ID:
41280801@ubini



OVERSEAS PRESENTERS AND PARTICIPANTS:

Payment should be made by bank transfer to:

Bank Name : Union Bank of India

Branch : Sulur

Account No : 548601010050704

Account Holder : Rathnavel Subramaniam Educatiaonal Trust

IFSC Code :UBIN0554863

INTERNATIONAL CONFERENCE REGISTRATION FEES

Category	Registration for Indian Nationals (in INR)	Registration for Foreign Nationals (in USD)
Students	750	30
PhD scholars	1000	40
Academic post-docs, scientists	1250	50
Industrialists, Delegates	2000	100

CONFERENCE VENUE – Coimbatore

Coimbatore, often called the “Manchester of South India,” is one of the most industrialized and rapidly growing cities in Tamil Nadu. Situated near the foothills of the Western Ghats and along the Noyyal River, the city offers a pleasant and welcoming environment for academic events.

Climate

Coimbatore enjoys a moderate climate throughout the year due to the Palakkad Gap winds.

Best season: July to March

Temperature: 20°C – 30°C

HOW TO REACH RVS CAS

By Air

The nearest airport is Coimbatore International Airport, located approximately 10 km from the campus. It is well connected to major cities like Chennai, Mumbai, Delhi, Bengaluru, and Hyderabad, along with select international destinations. Taxis and cabs are easily available from the airport.

By Train

The nearest railway station is Irugur Junction, about 5 km from the college. The major railhead is Coimbatore Junction, located around 18 km away, with excellent connectivity across India.

By Road

The college is well connected by road and easily accessible via:
Sulur Bus Stand – 1 km
Coimbatore Central Bus Stand (Gandhipuram) – 20 km
Frequent government and private buses operate from all major cities in Tamil Nadu and neighboring states.

Local Transport

Auto-rickshaws, taxis, and app-based cab services are readily available for convenient travel to the campus.

NEARBY TOURIST DESTINATIONS

Participants can explore several attractions around Coimbatore:

- Ooty – 90 km
- Isha Yoga Center – 35 km
- Black Thunder Theme Park – 45 km
- Coonoor – 75 km
- Cochin – 185 km
- Madurai – 215 km

ACCOMMODATION

- Accommodation will be arranged on prior request in the college hostel at a nominal charge
- Hotels are available in **Sulur** and **Gandhipuram & Avinashi road**
- Approximate tariff: ₹1500 – ₹5000 (twin sharing)
- Limited student accommodation available in the college hostel On prior request
- For Assistance contact: +91 9994662650 – Dr. Balachandar. S**

Nearby Stay Options

- Sri Ganesh Lodge, Sulur**
- KPM Lodge, Sulur**
- Flora Park Inn, Kannampalayam**
- Hotel Sri Aksharaa, Pappampatti Pirivu**

TOGETHER FOR A HEALTHIER PLANET

Through Knowledge, Collaboration and One Health



Healthy People



Healthy Animals



Healthy Environment



Sustainable Future

*See You
at the Conference!*