

JULY  
**2024**

**7<sup>th</sup> ANNUAL  
HEALTHCARE SUMMIT  
AHS 2024**

Organized by  
**Center for Health and Medical Sciences**

20th July 2024, Chennai, India



**Venus International  
Foundation**

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# **AHS 2024**

## **7th Annual Healthcare Summit**

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20 July 2024, Chennai, India

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# **CONFERENCE PROCEEDINGS**

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Organized by



**Venus International Foundation**

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This publication presents the proceedings of the 7th Annual Healthcare Summit – AHS 2024 held at Chennai, India on 20 July 2024. The Conference was organized by Center for Health and Medical Sciences (CHMS) of Venus International Foundation (VIF).

More information on AHS 2024 is given at:  
[www.venusinfo.org/medical/2024-ahs.html](http://www.venusinfo.org/medical/2024-ahs.html)

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## Acknowledgment

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With great pleasure, we welcome you all to the 7th Annual Healthcare Summit – AHS 2024 hosted by the Center for Health and Medical Sciences (CHMS), Venus International Foundation (VIF), Chennai, India on 20 July 2024. This scientific conference is organized with the theme – “To focus on Early Disease Detection, Personalized Treatment and Prevention (Integrating Technology, Patients and Doctors)”

The AHS 2024 conference provides a forum for talented multidisciplinary health care professionals to collaborate in high-quality health services research and practices. It supports to create and disseminate new scientific knowledge that will help to generate impactful research about the safety and quality, efficiency, and effectiveness of healthcare in order to inform and shape healthcare practice. The conference allows all participants to celebrate accomplishments, extend peer networks, and jointly explore future research directions. Further, the conference offers enlightening keynote lectures by renowned experts, followed by scientific sessions. The conference received an overwhelming response from health care professionals, which is leading to high-quality presentations and discussions. Finally, the conference team wishes every participant to have a productive and enjoyable time at this special conference.

Team, AHS 2024

## Message from General Chair – AHS 2024

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The Annual Healthcare Summit is now a well-established platform for healthcare professionals and the key aim remains the opportunity to share ideas and meet the people to exchange new knowledge and innovation to stimulate fresh insights on different levels.

The Seventh Healthcare Summit – AHS 2024, in particular, was a challenging exercise as the new format (Scientific Conference) allowed us to structure sessions differently, facilitating participation in innovative ways. The scope of papers will ensure an interesting day and the subjects covered illustrate the wide range of topics that fall into this important and ever-growing area of research.

I thank the Organizing Committee, Keynote Speakers, and Reviewers for their enthusiastic support. We would like to thank all the authors for submitting their work to AHS 2024 and for giving us the opportunity to assemble a high-quality program. We are happy to publish the proceedings of AHS 2024. I hope that AHS 2024 will be successful and enjoyable to all participants.

A handwritten signature in green ink that reads "R. Sathish Kumar". The signature is written in a cursive, flowing style.

R.SATHISHKUMAR

General Chair – AHS 2024

## Organizing Committee – AHS 2024

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### **General Chair**

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Ms. Gayathiri Preethi, VIF, Chennai

## AHS 2024 Conference Schedule

Programme Venue: Green Park Hotel, Chennai

8:30 am onwards	Registration
<b>INAUGURAL SESSION</b>	
9.30 am	Welcome Address
9.35 am	Lighting of the Lamp
9.45 am	Thamiz Thai Vaazthu
9.50 am	Presidential Address by General Chair
Networking and Refreshment Break (10:00 – 10:30 am)	

<b>KEYNOTE SESSION</b> Venue: Vijaya Hall (10:30 – 12:30 pm)	
Speaker	Title of Talk
Dr. Varun Malhotra, All India Institute of Medical Sciences, Bhopal, India	Yoga's Healing Touch: Bridging Science and Tradition for Holistic Health
Dr. Kabir H Biswas, Hamad Bin Khalifa University, Qatar	Bioluminescent Protein-based Biosensors for Research in Health and Disease
Dr. Rupinder Kaur Kanwar, All India Institute of Medical Sciences, Bhopal, India	Lactoferrin: A Biodrug With a Unique Potential in Translational Cancer Research

<b>AWARDS CEREMONY SESSION – I</b> Venue: Vijaya Hall (12:40 – 1:00 pm)
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Lunch and Networking Break (1:00 – 2:00 pm)
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## AHS 2024 Conference Schedule

<b>SCIENTIFIC SESSION</b>	
Venue: Vijaya Hall (2:00 – 3:30 pm)	
Speaker	Title of Talk
Dr. Kavana G. Venkatappa, Haveri Institute of Medical Sciences, Haveri, India	Bridging the Gap: Inter professional Education for Disability Competencies in Healthcare
Dr. Dhivagar K, Jawaharlal Nehru Medical College, Belagavi, India	Profile and Patterns of Poisoning Cases from Poison Detection Centre in Northern Karnataka – A One Year Retrospective Study
Dr. Gopalakrishnan G, Dharan Multispeciality Hospital, Salem, India	A Pilot Study on Association of Indocyanine Green Fluorescence with Histopathological Positive Lymph Nodes in Patients Undergoing Robotic Gastrectomy for Advanced Gastric Carcinoma
Dr. Gannu Praveen Kumar, Sahasra Institute of Pharmaceutical Sciences, Warangal, India	Narrative Medicine as a Holistic Approach in Clinical Practice
Dr. Vimala A/P Ramoo, Universiti Malaya, Malaysia	Academic Stress, Self-Esteem, and Psychological Resilience of Final Year Nursing Students
Dr. Pauline Sharmila, Tagore College of Nursing, Chennai, India	Perception of Learners Towards Artificial Intelligence Technology in Higher Education

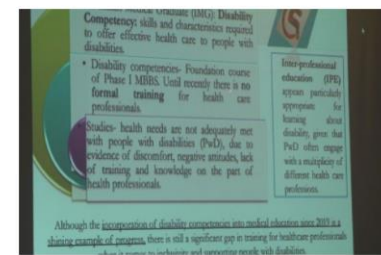
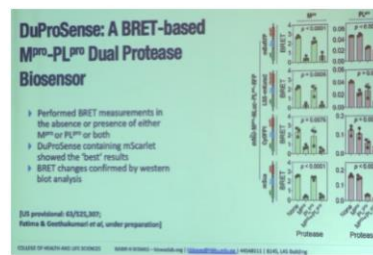
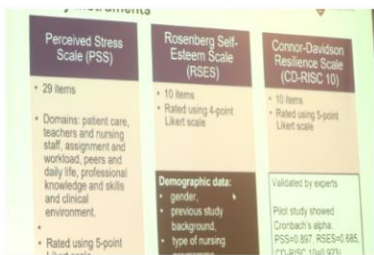
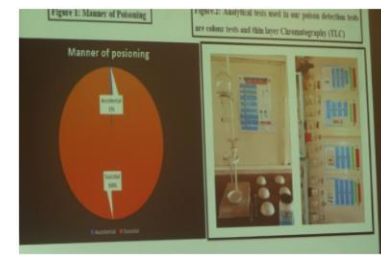
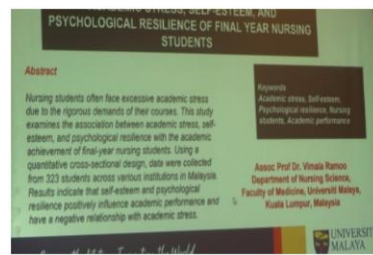
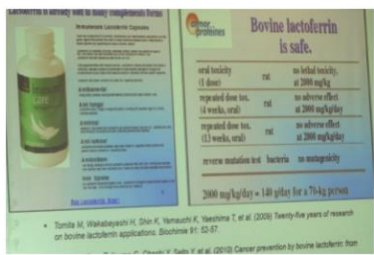
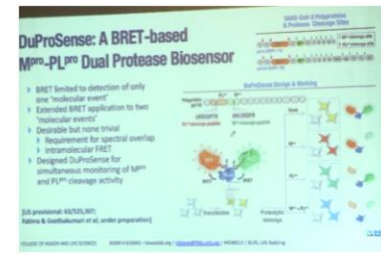
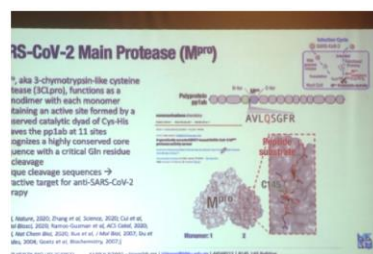
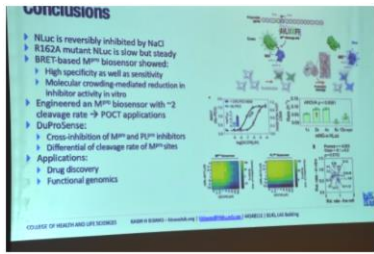
<b>AWARDS CEREMONY SESSION – II</b>	
Venue: Vijaya Hall (3:30 – 4:00 pm)	
Valedictory, Networking & Refreshment (4:00 – 5:30 pm)	



# Glimpses



# Glimpses



## Keynote Speaker 1

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Dr. Varun Malhotra, All India Institute of Medical Sciences, Bhopal, India

### **Title: Yoga's Healing Touch: Bridging Science and Tradition for Holistic Health**

**Abstract:** This presentation explores the healing potential of yoga and meditation in health promotion and disease management giving the scientific evidence of various research studies conducted over two decades. Through our research we investigate the physiological effects of yoga practices, including their impact on heart rate variability (HRV), body composition in Type 2 Diabetes Mellitus patients, and the Default Mode Network (DMN) activity. Highlighting the correlation between breath patterns and mental states, the presentation emphasizes the calming effects of slow deep breathing on the mind. Furthermore, it discusses the benefits of yoga and meditation on reducing anxiety, increasing happiness, and promoting peace through neuroplasticity. Stress management, mindfulness, and concentration techniques are also addressed as integral components of yoga practice. The talk advocates for integrating yoga and meditation into daily life for holistic health benefits, providing practical tips for stress management and lifestyle modification. This presentation underscores yoga's scientific basis as a complementary approach to enhancing overall well-being.

## Keynote Speaker 2



Dr. Kabir H Biswas, Hamad Bin Khalifa University, Qatar

### **Title: Bioluminescent Protein-based Biosensors for Research in Health and Disease**

**Abstract:** Cells in our body interact with and are impacted by a plethora of signals from extra- and intracellular environment as well as various pathogens including viruses such SARS-CoV-2. These processes often involve precise biochemical transformations including the generation of small molecule second messengers and proteolytic cleavage of proteins. Bioluminescent protein-based biosensors have found wide application in understanding these process. In this talk, I will discuss our work in understanding and utilization of the NanoLuc (NLuc) luciferase protein in the development of biosensors for monitoring biological processes. First, I will describe the utilization of salt-mediated regulation of NLuc activity in monitoring intracellular ionic strength. We then engineered a mutant NLuc protein that shows a slow but steady bioluminescence activity, which is suitable for monitoring slower biological processes. Second, I will discuss the engineering of a Bioluminescence Resonance Energy Transfer (BRET)-based SARS-CoV-2 main protease (M<sup>pro</sup>) biosensor and successful application of the biosensor in the discovery of small molecule and cyclic peptide inhibitors of M<sup>pro</sup>. Further, I will discuss the development of an M<sup>pro</sup> biosensor with an increased rate of cleavage as well as a dual protease biosensor for simultaneously monitoring M<sup>pro</sup> and papain-like protease (PL<sup>pro</sup>) activities.

## Keynote Speaker 3



Dr. Rupinder Kaur Kanwar, All India Institute of Medical Sciences, Bhopal, India

### **Title: Lactoferrin: A Biodrug With a Unique Potential in Translational Cancer Research**

**Abstract:** Lactoferrin (Lf) is a naturally occurring non-hemetic iron-binding glycoprotein, widely known for its multifunctional/ pleiotropic nature. It is present in the majority of mammalian exocrine secretions. Bovine milk-derived Lf (bLf) shares high sequence homology with human Lf and has quite similar anti-inflammatory, immunomodulatory, and antimicrobial properties. bLf's roles in iron homeostasis, organ morphogenesis, and bridging innate and adaptive immune functions, have resulted in its potentially wide applications in the medical field, and as a safe supplement for infant and adult foods. More importantly, based on animal feeding studies and the success of human clinical trials in cancer patients, bLf has gained significant attention for its potential as a clinically safe anti-cancer chemopreventive and biodrug. Through preclinical studies and clinical trials, we and others have shown that bLf in its native form, in iron-free (apo-bLf) and in iron-saturated form (Fe-bLf) inhibits tumor development, and targets growth and metastasis of solid tumors (colon, liver, prostate, breast, brain, and skin). bLf's anti-cancer activity is shown to be due to its immunity-boosting activities, iron-targeting, and activation of cancer cell-specific apoptotic mechanisms. The capacity of safe and non-toxic bLf to target survivin expression, thereby inhibiting cancer cell growth and promoting apoptosis, highlights an exciting potential of bLf for developing much-needed survivin-targeting safe therapeutics in the clinical management of aggressive and relapsed tumors. bLf acts as an ideal carrier for drug delivery to drug-resistant cells. The novel findings of our studies highlighting bLf as a promising biodrug for cancer treatment and prevention, will be presented in the congress.

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