



Interdisciplinary Approaches in Life Sciences and Healthcare (ICIALH)

Organized by IFERP Lifesciences – Formerly Bioleagues

Post Conference Report

ICIALH-2026, Contributed to Following SDGs



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Conference Summary

Conference Name: 2nd International Conference on Interdisciplinary Approaches in Life Sciences and Healthcare (ICIALH 2026)

Date: 17th & 18th June 2026

Venue: Jakarta, Indonesia

Conference Theme: Integrating Life Sciences and Healthcare for Transformative Innovation

Organized By: IFERP Lifesciences – Formerly Bioleagues

No. of Organizing Committee Members: 9

No. of Editors/Reviewers: 4

No. of Speakers: 9

No. of Abstracts Received: 50+

No. of Participants Registered: 12+

No. of Virtual Attendees: 21

1.1 Conference Overview

The 2nd International Conference on Interdisciplinary Approaches in Life Sciences and Healthcare (ICIALH 2026) is a premier international platform that brings together researchers, healthcare professionals, scientists, educators, policymakers, and industry experts to advance interdisciplinary innovation. The conference promotes collaboration across life sciences, biotechnology, medicine, public health, and digital healthcare to address emerging global health challenges. Through keynote lectures, technical sessions, panel discussions, and networking events, participants gain valuable insights into transformative healthcare solutions. ICIALH 2026 aims to accelerate scientific progress and improve global health through collaborative research and sustainable innovation.

1.2 Conference Theme

"Integrating Life Sciences and Healthcare for Transformative Innovation" reflects the conference's commitment to bridging scientific research with practical healthcare applications. The theme emphasizes interdisciplinary collaboration among life sciences, biotechnology, medicine, public health, and digital health to develop innovative solutions for complex healthcare challenges. It highlights the importance of emerging technologies, sustainable healthcare practices, and translational research in improving patient outcomes. The conference encourages knowledge sharing that supports evidence-based decision-making and global health advancement.

1.3 Objectives & Scope of the Conference

ICIALH 2026 seeks to promote interdisciplinary collaboration that bridges life sciences, healthcare, biotechnology, environmental sciences, and public health to address pressing global challenges. The conference provides a platform for presenting research in biomedical sciences, AI-driven healthcare, pharmaceutical innovations, digital health, healthcare policy, sustainability, and clinical practice. It encourages the translation of scientific discoveries into practical healthcare solutions while supporting industry-academia partnerships and international research collaboration. Special emphasis is placed on nurturing emerging researchers and aligning scientific advancements with the United Nations Sustainable Development Goals. Through knowledge exchange and collaborative innovation, the conference contributes to the development of sustainable, inclusive, and technology-enabled healthcare systems worldwide.

Keynote Speakers



Assoc. Prof. Dr. Alessandro Di Minno
Università degli Studi di Napoli Federico II
Italy



Prof. Dr. Antoni Sureda
University of the Balearic Islands (UIB)
Spain



Prof. Dr. Christantie Effendy
Universitas Gadjah Mada
Indonesia



Prof. Dr. J. Somasekar
University of DAIM,
United States



Ts. Dr. Nurul Aqilah Mohd Zaini
Universiti Kebangsaan Malaysia,
Malaysia



Prof. Dr. Sulistyawati
Faculty of Public Health, Universitas
Ahmad Dahlan
Indonesia

Plenary Keynote Speaker



Dr. Fatemehsadat Mirmohammadmakki,
Shahid Beheshti University of Medical
Sciences,
Iran

Session Speakers



Dr. Zia Syed
Rutgers University
United States



Dr. Kamala K. Badalova
Azerbaijan Medical University
Azerbaijan



Dr. Mardhiah Kamaruddin
Universiti Malaysia Kelantan
Malaysia



Assoc. Prof. Dr. Mohd Idzwan Mohd Salleh
Universiti Teknologi MARA,
Malaysia

Session Chair



Rosyidah, SE., M.Kes., Ph.D.
Lecturer
Public Health Study Program
Universitas Ahmad Dahlan
Indonesia

Moderators



Dr.CAROL ANNE R. ARANETA
Instructor III
Eastern Samar State University
Philippines



Ms.Izzatul Afifa
Department of English Education, Faculty of
Teacher Training and Education, Universitas
Batanghari, Jambi, Indonesia

Agenda

June 18th 2026 - Virtual

Time Slot	Activities – Main Room
10:00 AM - 10:10 AM	Introduction by Moderator
10:10 AM – 10:25 AM	Keynote speakers - Prof. Dr Christantie Effendy
10:26 AM – 10:41 AM	Keynote speakers - Prof. Dr. Antoni Sureda
10:42 AM – 10:57 AM	Keynote speakers - Prof. Dr. J. Somasekar
10:58 AM – 11:13 AM	Keynote speakers - Ts Dr. Nurul Aqilah Mohd Zaini
11:14 AM – 11:29 AM	Keynote speakers - Prof. Dr.Sulistyawati
11:30 AM - 11:45 AM	Keynote speakers - Assoc Prof. Dr. Alessandro Di Minno
11:46 AM - 11:56 AM	Short Break
11:57 AM - 12:12 PM	Session Speaker - Dr Zia Syed
12:13 PM - 12:28 PM	Session Speaker - Dr. Mardhiah Kamaruddin
12:29 PM - 12:44 PM	Session Speaker - Assoc Prof. Dr. Mohd Idzwan Mohd Salleh
12:45 PM - 01:00 PM	Session Speaker - Dr Kamala K. Badalova
01:01 PM - 01:16 PM	Session Speaker - Dr Muhamad Firdaus Syahmi Bin Sam-on
01:17 PM - 01:32 PM	Plenary Keynote Speaker - Dr. Fatemehsadat Mirmohammadmakki
01:33 PM - 01:44 PM	Short Break
01:45 PM - 03:56 PM	Technical Session
03:57 PM - 04:10 PM	Vote of Thanks

Technical Sessions

Time Slot	Technical Session
01:45 PM - 01:55 PM	Habitual Black Coffee Consumption Is Associated With Elevated Tc/Hdl-C Ratio Among Carriers Of The Mthfr 677t Allele Presentation By Lee Quen Phoon
01:56 PM - 02:06 PM	Evaluation Of The Effect Of Chronic Administration Of Ayurvedic Formulation 4 (Af4) In Spontaneously Hypertensive Rats Presentation By Himanshu Giri
02:07 PM - 02:17 PM	Zebrafish As A Translational Neurobehavioral Model For Parkinson's Disease Presentation By Nikhil Sharma
02:18 PM - 02:28 PM	Supersaturable Self-Emulsifying Drug Delivery Systems (S-Sedds): A Promising Strategy For Enhancing Oral Delivery Of Bcs Class Iii Drugs Presentation By Saurav Kumar
02:29 PM - 02:39 PM	Thymol Nanoparticles In Colon Cancer Presentation By Shakshi Joshi
02:40 PM - 02:50 PM	Development Of Nanosponge-Based Drug Delivery System For Solubility Enhancement Presentation By Sameer Kumar Dubey
02:51 PM - 03:01 PM	Preparation And Evaluation Of Bucco-Adhesive Tablets Containing Simvastatin Presentation By Saurabh Dhaundiyal
03:02 PM - 03:12 PM	Formulation And Evaluation Of Ocular Sneeds Of Ketoconazole Presentation By Aditya Raj
03:13 PM - 03:23 PM	In Silico And Organ-On-A-Chip Toxicology For Predictive Safety Assessment Presentation By Prakhar Bajpai
03:24 PM - 03:34 PM	Development And Characterization Of 3d Bioprinted Scaffold For Wound Healing Presentation By Sneha Srivastava
03:35 PM - 03:45 PM	Effectiveness Of A Structured Teaching Program On Knowledge Regarding Postpartum Psychosis Among Primipara Mothers In A Selected Hospital, Chennai Presentation By Karpagavalli Ganesan
03:46 PM - 03: 56 PM	Ai-Integrated Conductometric Sensing For Smart Acidity Monitoring And Quality Control In Food Processing Applications Presentation By Shanthi Vunguturi



Best Paper Award Winner:

Paper Title: *Habitual Black Coffee Consumption Is Associated with Elevated TC/HDL-C Ratio Among Carriers of the MTHFR 677T Allele*

Presentation by Lee Quen Phoon

Vote of Thanks

The conference concluded with a sincere Vote of Thanks delivered on behalf of the organizing committee. Heartfelt appreciation was conveyed to the Guest of Honour, keynote speakers, session chairs, researchers, academicians, industry professionals, and delegates for their invaluable contributions and enthusiastic participation throughout the event. The committee also expressed gratitude to the organizing institutions, sponsors, reviewers, volunteers, and technical support teams for their unwavering commitment and efforts in ensuring the successful execution of the conference. Special recognition was given to all authors and presenters for enriching the event through their research, knowledge, and scholarly discussions.

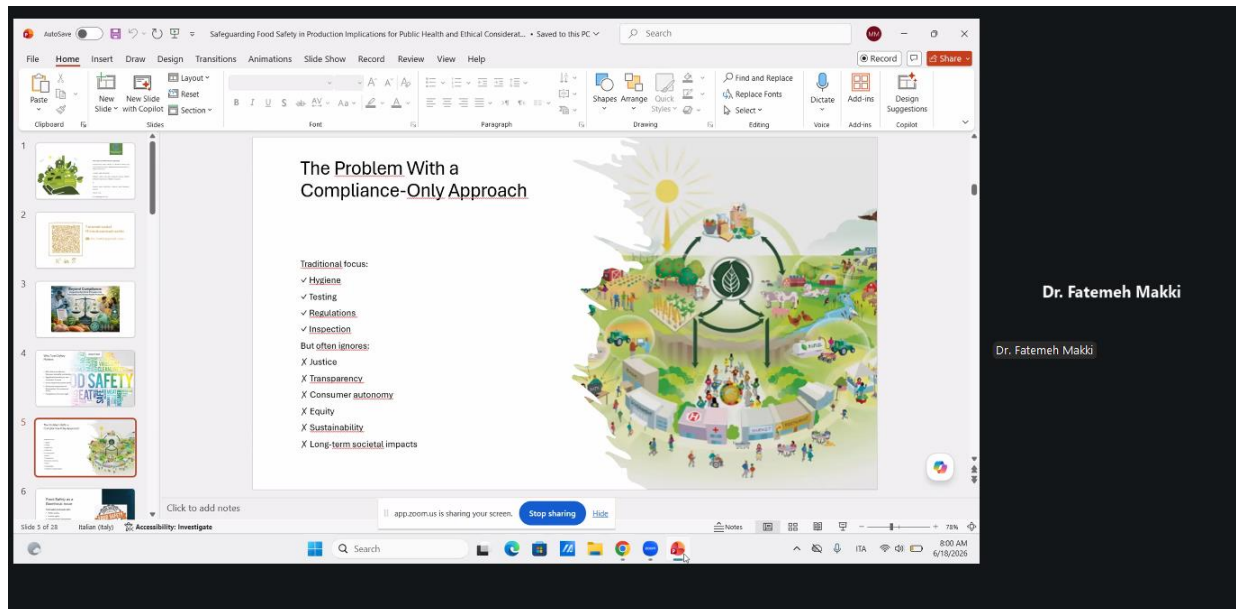
The session concluded with warm wishes for the continued success of all participants and the hope that the conference would inspire future collaborations, innovative research, and meaningful advancements in engineering and technology.

General Comments & Feedback

1. The majority of participants rated the conference sessions as highly valuable, appreciating the relevance, quality, and practical significance of the topics presented.
2. Attendees commended the seamless organization of the conference, highlighting the efficient registration process, effective event coordination, and adherence to the planned schedule.
3. Participants appreciated the opportunity to gain insights into emerging technologies, innovative research, and evolving trends shaping various engineering and technology domains.
4. The expertise and engaging presentations delivered by keynote speakers, mentors, session chairs, and industry experts were widely acknowledged and well received.

5. Many attendees recognized the conference as an excellent platform for networking, collaborative discussions, and the dissemination of research findings.
6. The punctual execution of sessions and effective time management throughout the programme were appreciated, contributing to a smooth and well-coordinated event experience.
7. Several participants recommended strengthening communication regarding post-conference activities, particularly updates related to certificates, publication timelines, and indexing status.
8. Respondents also suggested sharing reviewer comments for both accepted and rejected submissions to enhance transparency and provide constructive academic feedback.
9. Suggestions for future editions included extending presentation durations, allowing additional time for interactive question-and-answer sessions, and circulating detailed session schedules well in advance.
10. Overall, the feedback reflected a high level of satisfaction, with participants encouraging the organizing committee to continue delivering conferences that uphold the same standards of professionalism, quality, and academic excellence.

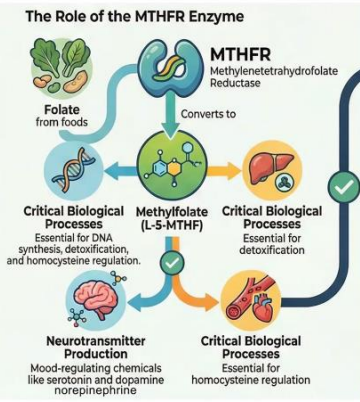
Glimpses







The Role of the MTHFR Enzyme



Folate from foods

MTHFR Methylene tetrahydrofolate Reductase

Converts to

Methylfolate (L-5-MTHF)

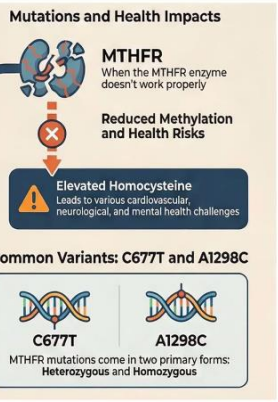
Critical Biological Processes Essential for DNA synthesis, detoxification, and homocysteine regulation.

Critical Biological Processes Essential for detoxification

Neurotransmitter Production Mood-regulating chemicals like serotonin and dopamine norepinephrine

Critical Biological Processes Essential for homocysteine regulation

Mutations and Health Impacts



MTHFR When the MTHFR enzyme doesn't work properly

Reduced Methylation and Health Risks

Elevated Homocysteine Leads to various cardiovascular, neurological, and mental health challenges

Common Variants: C677T and A1298C

C677T **A1298C**

MTHFR mutations come in two primary forms: Heterozygous and Homozygous

2nd International Conference on Interdisciplinary Approaches in Life Sciences and Healthcare (ICIALH)



Lee-Quen Phoon



UNIVERSITI KEBANGSAAN MALAYSIA
The National University of Malaysia

The 2nd International Conference on Interdisciplinary Approaches in Life Sciences and Healthcare (ICIALH)

Antimicrobial Resistance in *Salmonella*: Implications for Global Food Safety and Collaborative Surveillance

Dr. Muhamad Firdaus Syahmi Sam-on
Department of Food Sciences
Faculty of Science and Technology
Universiti Kebangsaan Malaysia
Email: firdaussyahmi97@ukm.edu.my





MUHAMAD FIRDAUS SYAHMI SAM-ON

Processing the Unseen: Unlocking Unstructured Data





Massive volumes of unstructured Radiology & Pathology reports (e.g., mammogram narrative notes).

Text Mining Algorithms automatically extract key insights (e.g., BI-RADS density).

Structured, usable, and centralized data formats.

Clinical Impact:



Drastic labor cost reduction



Superior data management and sharing



Builds the foundational architecture for advanced AI adoption



Dr. Idzwan Salleh

Assoc Prof. Dr. Alessandro Di Minno

Setup professional audio in "audio settings"

A Pristine Safety Profile



Adverse events reported over 90 days of daily intervention

Excellent tolerability compared to traditional chemical antiseptics.

05:11

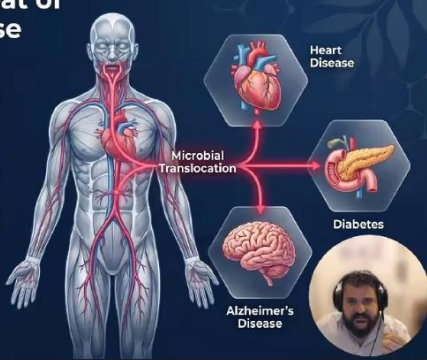
Carol Anne Araneta

Assoc Prof. Dr. Alessandro Di Minno

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The Systemic Threat of Periodontal Disease

47% of adults >30 years old
70% of adults >65 years old
are affected by some form of periodontal disease.



Heart Disease

Microbial Translocation

Diabetes

Alzheimer's Disease

06:29

Carol Anne Araneta

76/100

Value of recommendations



NETFLIX

amazon

- 75% of the users selects movies based on Netflix's recommendations.
- 35% of Amazon's revenue are generated by it's recommendation engine.

Dr. J. Somasekar