



Scientific Program

2nd International Conference on Environmental Science & Sustainable Earth

November 17- 19, 2025 | Hilton Garden Inn Milan North, Milan, Italy



**COGNITION
CONFERENCES**
INNOVATION AT SCIENTIFIC GATHERINGS

	Scientific Program
	2nd International Conference on Environmental Science & Sustainable Earth
	DAY 01 - November 17, 2025 Hilton Garden Inn Milan North, Milan, Italy
08:30 – 09:00	Registration and Opening Ceremony
	Keynote Forum-1
09:00 – 09:30	Treatment of Type 1 diabetes animal model by human gtaSCs Min Hu , APstem Therapeutics, Inc., USA
09:30 – 10:00	Adult hippocampal neurogenesis specific for primates Tetsumori Yamashima , Kanazawa University, Japan
10:00 – 10:30	Development of a stem cell therapy for erectile dysfunction Søren P. Sheikh , Blue Cell Therapeutics ApS, Denmark
10:30 – 11:00	Hoxa9 in b cell plasticity: Paving the road to myeloid transformation Chen Zhao , Case Western Reserve University, USA
11:00 – 11:15	Refreshments and Networking Break
	Oral Presentation
11:15 – 11:35	Stem cell FAK-CNTF signaling promotes olfactory epithelial neuroregeneration and functional recovery following inju Cuihong Jia , East Tennessee State University, USA
11:35 – 11:55	Cell replacement strategies for parkinson's disease: From fetal grafting to stem cells Jeffrey Kordower , Arizona State University, USA
11:55 – 12:15	Redefining stemness: Integrating molecular and functional assays for clinical-grade stem cells Leepy Paudel , Johns Hopkins University, USA
12:15 – 12:35	Coexpression of tim-3 and pd-1 of t lymphocytes prevents acute graft-versus-host disease Jeong A Kim , The Catholic University of Korea, South Korea
12:35 – 12:55	Depot-specific adipose stem cells and MicroRNAs in endothelial differentiation and angiogenesis for cell therapy Gemma Arderiu , Sant Pau Research Institute, Spain
12:55 – 13:55	Networking Lunch Break
13:55 – 14:15	Adult hippocampal neurogenesis specific for primates Nguyen Hong Hung , University of Toyama, Japan
14:15 – 14:35	Mesenchymal cell line for potential allogeneic use in regenerative medicine Marcela Garcia , National University of La Plata, Argentina
14:35 – 14:55	Cellular sentinels: Empowering survival and immune defense in hematopoietic stem cell transplantation through mesenchymal stem cells and t lymphocytes Shu Ching Hsu , National Health Research Institutes, Taiwan
14:55 – 15:15	Stem cells for liver disease- bench to bedside Secunda Rupert , The TN, Dr MGR Medical University, India
15:15 – 15:35	Multidomain molecular sensor devices, systems, and algorithms for improved physiological monitoring Lianna Soriano , University of California, Berkeley, USA
15:35 – 15:50	Refreshments and Networking Break

15:50 – 16:10	Intrinsic and extrinsic determinants of radiotherapy resistance in oesophageal cancer: Insights into molecular pathways and tumour microenvironment
	Maryam Borumand , University of Buckingham, UK
16:10 – 16:30	Study of age dynamics of biochemical indicators during physiological aging in centenarians living in the goychay region of azerbaijan
	Guler Zeynalova , Institute of Phsyology named Academician Abdulla Karayev Ministry of Education and Sciece of the Republic of Azerbaijan, Azerbaijan
16:30 – 16:50	Timing matters: An observational study on circadian effects of spinal anesthesia in cesarean delivery
	Nikouli Evangelia , Dimokritos University of Thrace, Greece
16:50 – 17:10	Biotechnology: Innovations in medicine and agriculture
	SIMINA Alina-Georgiana , King Mihai I University of Life Sciences in Timisoara, Romania
17:10 – 17:30	Water reuse application in a poor area in Brazil: A multi-criteria analysis approach
	Cleginaldo Pereira de Carvalho , Sao Paulo State University, Brazil
	Networking and Day Closing
	DAY 02 - November 18, 2025 Hilton Garden Inn Milan North, Milan,Italy
	Keynote Forum-2
09:00 – 09:30	Integrating traditional herbal wisdom with modern science for global holistic health
	Harisun Binti Yaakob , Universiti Teknologi Malaysia, Malaysia
09:30 – 10:00	HerboChips - The gateway to TCM modernization
	CHAN Kar Lun Gallant , Gallant Biotechnology Limited, Hong Kong
10:00 – 10:30	Biased perception of macroecological findings - What's the problem?
	Carsten Hobohm , University of Flensburg, Germany
10:30 – 11:00	Feeding the circular economy: Smarter strategies for food waste
	Andy Nichols , The University of Sheffield, UK
11:00 – 11:15	Refreshments and Networking Break
	Oral Presentation
11:15 – 11:35	Greenhouse Gas Emissions from Microplastic Decomposition in Aquatic Ecosystems
	Małgorzata Kida , Rzeszow University of Technology, Poland
11:35 – 11:55	Therapeutically valuable terrestrial invertebrates: There is still a lot to be learned
	Victor Benno Meyer-Rochow , University of Oulu, Finland
11:55 – 12:15	Chemical forms of minerals (metals) are a major determinant of metal toxicity and therapeutic effects in traditional medicines
	Jie Liu , Zunyi Medical University, China
12:15 – 12:35	Emerging paradigms for target discovery of traditional medicines: A genome-wide pan-GPCR perspective
	Zhaotong Cong , Chengdu University of Traditional Chinese Medicine, China
12:35 – 12:55	Saffron: The golden spice revolutionizing gastrointestinal cancer therapy
	Amr Amin , University of Sharjah, UAE
12:55 – 13:55	Networking Lunch Break
13:55 – 14:15	Labyrinth walking for mental health and well being
	Valerie A. Ubbes , Miami University, USA
14:15 – 14:35	Elucidation of neuroprotective mechanism of majoon boolis against dementia: network pharmacology and computational approach

	Anshul Shakya , Dibrugarh University, India
14:35 – 14:55	Regulation of myogenesis by peroxisomes and environmental factors
	Shen-Liang Chen , National Central University, Taiwan
14:55 – 15:15	Exploring the Ethics of Creating Chimeric ‘Monkey-Human’ Embryos: Could Xenotransplantation, the Treatment of Anencephalic Infants, or Synthetic Human Embryos Provide Insights?
	Francis James O’Keeffe , The University of Notre Dame School of Medicine, Australia
15:35 – 15:50	Refreshments and Networking Break
15:50 – 16:10	Carbon sequestration potential in tropical soils: An overview of management systems across diverse edaphoclimatic conditions in Brazil
	Junior Cesar Avanzi , Federal University of Lavras, Brazil
16:10 – 16:30	Lessons learned through a case study of IAQ monitoring and participatory design in learning spaces
	Dora Mavridou , University of Portsmouth, UK
16:30 – 16:50	The influence of abiotic aging on the emission of harmful substances from tire microparticles
	Sabina Ziembowicz , Rzeszow University of Technology, Poland
16:50 – 17:10	Compound ulcer Jiuwei powder: A traditional Chinese medicine formula for treating diabetic ulcers through antimicrobial and anti-inflammatory mechanisms
	Shunli Rui , Chongqing University Central Hospital, China
17:10 – 18:10	Poster Presentation
Po 1	Comprehensive study of umbilical cord Wharton’s jelly-derived MSCs for potential allogeneic use in regenerative medicine.
	Ailen Iribarne , National University of La Plata, Argentina
Po 2	Spatiotemporal variation and chemical characteristics of PM2.5 in the Coasts and Islands of East Asia
	Chung-Shin Yuan , National Sun Yat-sen University, Institute of Environmental Engineering, Taiwan
Po 3	Enhancing efficiency and sustainability in essential utility services through smart manufacturing: Analysis of bio-electricity expansion, agricultural output and renewable energy goals
	Muhammad Ali Aziz , Comsats University Islamabad, Saudi Arabia
Po 4	Universities as agents of environmental policy: The Case of the University of Warsaw
	Ewa Krogulec , University of Warsaw, Poland
Po 5	Investigating the role of cholesterol metabolism in skeletal muscle regeneration
	Hayataka TAKASE , The University of Tokyo, Japan
	Networking and Day Closing
	DAY 03 - November 19, 2025 Hilton Garden Inn Milan North, Milan, Italy
	Online Presentation
	Organoids on the frontline: screening for safety in drug discovery
	Giulio Galli , University of Leon, Spain
	Towards a new antimicrobial era: The convergence of natural wisdom and pharmaceutical technology
	Cristina Marisel Perez Zamora , Instituto de Investigaciones en Procesos Tecnológicos Avanzados, Argentina

	Neuroimmune mechanism for the treatment of major depressive disorder with traditional Chinese medicine prescriptions and proteomic study of monomers from herbs of traditional Chinese medicine
	Jing Du , Capital Medical University, China
	Placebo-controlled effect of topical Qust (Costus) oil on postmenopausal women's sexual desire disorder: a double-blind, randomized clinical trial
	Akram Fallah , Iran University of Medical Sciences, Iran
	Phytotherapy in diabetes: An Overview Turkish plants
	Sedef Ziyank Demirtas , Bursa Uludag University, Turkey
	Traditional indigenous medicine of North America: What do its practitioners think it is?
	Lewis Mehl-Madrona , University of New England, USA
	Participatory ethnobotany among the pataxo hahahai: Indigenous leadership in the documentation of medicinal knowledge
	Hemerson D S Pataxo Hahahai , Federal University of Sao Paulo, Brazil
	Evaluation of toxicity assessments of food amendments
	Hans-Uwe Dahms , Kaohsiung Medical University, Taiwan
	Conexión natural: A digital ecosystem to strengthen nature-based tourism and conservation in Río de Oro (Cesar)
	Diana Teresa Parra-Sanchez , Universidad Autonoma de Bucaramanga, Colombia
	Enhancing indoor air quality in higher education through biophilic design: A sustainable approach for healthier learning environments
	Maria Idalia da Silva Gomes , Lisbon Higher Institute of Engineering, Portugal
	Networking and Day Closing

