



6th International and 25th National Conference on Environmental Health

December 20-22, 2022
Ahvaz, Iran

The 6th International and the 25th National Conference on Environmental Health

December 20 - 22, 2022

Ahvaz Jundishapur University of Medical Sciences

Skyroom and Fararoom access links:

https://www.skyroom.online/ch/eng_kamaie/ajums.health.conf

<https://cp.fararoom.ir/ch/ehconference/guest>

First day: Tuesday, 20. December (Morning)

Opening ceremony 8:30 AM- 10:10 AM

Time	Title of the program
2 minutes	Recitation of the Holy Quran
2 minutes	National Anthem of the Islamic Republic of Iran
5 minutes	Welcoming, Dr. Mohamad Hossein Sarmast Shushtari President of Ahvaz Jundishapur University of Medical Sciences
5 minutes	Welcoming, Dr. Mehrnoosh Zakerkish Vice-chancellor of Research and Technology, Ahvaz Jundishapur University of Medical Sciences
10 minutes	The report of Prof. Alireza Mesdaghinia President of the Iranian Environmental Health Association
5 minutes	The report of Dr. Seyyed Ali Mard Head of International Affairs, Ahvaz Jundishapur University of Medical Sciences
5 minutes	The report of Dr. Afshin Takdestan Executive Manager of the conference
15 minutes	Speech of Dr. Ali Salajegheh Head of the Department of Environment, Islamic Republic of Iran
15 minutes	Speech of Dr. Mikiko Senga Deputy Representative Health Emergencies & Universal Health Coverage Lead, WHO office in Iran
10 minutes	Speech of Dr. Hossein Farshidi Deputy of Health, Ministry of Health and Medical Education, Islamic Republic of Iran
15 minutes	Speech of Dr. Mohammad Esmail Motlagh (Secretariat of the Health and Food Safety Council) on: The role of the Secretariat of the Health and Food Safety Council in compiling the national document on climate change and its effect on human health
10 minutes	The speech of Dr. Jafar Jandaghi Explaining the plans of the Environmental and Occupational Health Centre, Ministry of Health and Medical Education, Islamic Republic of Iran
5 minutes	Rest



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Session 1: The role of environmental health in the prevention and control of diseases related to environmental factors, 10:15 AM – 12:15 PM

Member of the session: Prof. Alireza Mesdaghinia (Chairman), Prof. Kazem Nadafi, Dr. Mehdi Mokhtari, Prof. Amir Hossein Mahvi, Prof. Mehdi Ahmadi-Moghadam, Prof. Jafar Jandaghi, Prof. Ahmad Jonidi Jafari, Prof. Mohammad Hassan Ehrampoush

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Speaker	Title	Time
Prof. Bruce Spittle	The role of environmental health in the prevention and control of fluoride-induced diseases (In English)	(10:15-10:35) 20 minutes
Prof. Michal Krzyzanowski	Health effects of air pollution and the role of environmental epidemiology in the assessment of these effects (In English)	(10:35-10:55) 20minutes
Dr. Mohammad Ghanbari	A comparative study of TNF- α biomarker in healthy and asthmatic subjects and their relationship with ambient PM concentrations in dusty and normal conditions (In Persian)	(10:55-11:05) 10 minutes
Shirin Noshadi	Investigating the amount of water consumption and domestic and commercial wastewater production and the factors affecting it in the Covid-19 pandemic (In Persian)	(11:05-11:15) 10 minutes
Dr. Reza Fouladi-Fard	Premature Mortality and Associated Economic Costs attributed to PM _{2.5} and O ₃ in Qom (In Persian)	(11:15 -11:25) 10 minutes
Dr. Morteza Khafaie	Ambient air pollution exposure and Tuberculosis- a time series study (In Persian)	(11:25-11:35) 10 minutes
Habibeh Nasab	Investigating the relationship between exposure to urinary levels of endocrine-disrupting chemicals (Triclosan, Methyl triclosan, Triclocarban and 2,4-Dichlorophenol) with blood pressure and lipid profile in children and adolescents in Kerman city (In Persian)	(11:35-11:45) 10 minutes
Mahssa Mohebbi Cham Khorami	Ambient air particulate matter (PM ₁₀) satellite monitoring and respiratory health effects assessment (In Persian)	(11:45-11:55) 10 minutes
	Q & A	(11:55-12:05) 20 minutes
	Rest	1 Hour



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First day: Tuesday, 20. December (Evening)

Session 2: National and international environmental health challenges; fore sighting and ways to deal with, manage and control, 13:15 PM – 15:15 PM

Members of the session: Prof. Mohammad Sadegh Hassanvand (chairman), Prof. Anoushiravan Mohseni-Bandpei, Dr. Hamed Mohammadi, Prof. Mohammad Ali Zazouli, Dr. Sahand Jorfi, Prof. Mohammad Taghi Samadi, Dr. Hassan Izanloo

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Speaker	Title	Time
Prof. Philip Hopke	Declining PM2.5 concentrations result in changing compositions and toxicity (In English)	(13:15-13:35) 20 minutes
Prof. Masoud Yunesian	Personalized environmental health (In Persian)	(13:35-13:55) 20minutes
Prof. Mohammad Mosaferi	Educational needs and knowledge required in the field of environmental health in Iran: Point of view of university professors (In Persian)	(13:55-14:05) 10 minutes
Prof. Behnam Barikbin	Investigating the employment Situation of Environmental Health Engineering Graduates in Mashhad University of Medical Sciences between 2010-2021 (In Persian)	(14:05-14:15) 10 minutes
Dr. Samaneh Dehghan	Survey of knowledge, attitude and performance of people in Mazandaran province regarding source separation of household waste in 2021 (In Persian)	(14:15 -14:25) 10 minutes
Prof. Ali Almasi	Surveying of environmental health challenges related to the route of Arbaeen pilgrims in Mehran border (In Persian)	(14:25-14:35) 10 minutes
Parichehr Pakzad	breast cancer risk in women with active and passive cigarette/waterpipe smoking (In Persian)	(14:35-14:45) 10 minutes
Sepideh Sadeghi	Challenges related to spreading compost in urban green space: Assessment of microbial risk from accidental ingestion of compost in children (In Persian)	(14:45-14:55) 10 minutes
	Q & A	(14:55-15:15) 20 minutes
	Rest	15 minutes



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Session 3: Climate change and health 15:30 PM- 17:35 PM

Members of the session: Prof. Mohammad Mosaferi (chairman) - Prof. Reza Saedi _ - Dr. Mohammad Javad Mohammadi - Prof. Sina Dobaradaran - Prof. Ahmadreza Yazdanbakhsh - Prof. Ali Asghar Najafpoor - Prof. Masoud Yunesian. Dr. Abbas Shahsavani

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Speaker	Title	Time
Prof. Susana Paixão	Climate Change and Health (In English)	(15:30-15:55) 20 minutes
Prof. Amirhossein Takian	Climate Change and modeling its impacts on food security in Iran (In Persian)	(15:55-16:15) 20minutes
Prof. Frank Kelly	Air Pollution and Climate Change: two sides of the same coin (In English)	(16:15-16:35) 20 minutes
Dr. Yaser Tahmasebi Birgani	Assessment of climate change impact on stormwater quality parameters (case study: Shushtar, Iran)(In Persian)	(16:35-16:55) 20 minutes
Fatemeh Mortezaazadeh	Investigating the Importance of Environmental Factors and Climate Changes on the Prevalence of Danger Fever: A Narrative Review Study(In Persian)	(16:55 -17:05) 10 minutes
Samaneh Dehghani	Sources and emissions of greenhouse gases (carbon footprint) with emphasis on the gas refining industry (In Persian)	(17:05-17:15) 10 minutes
	Q & A	(17:15-17:35) 20 minutes



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First day: Tuesday, 20. December (Evening)
Workshop on creativity, entrepreneurship, and job opportunities in environmental health, Time: 18:00-20:00 AM

The access link will be sent to registered participants only.

Workshop leader	Title	Position	Time
Prof. Mohammad Taghi Ghaneian	Skill development , a step towards wealth creation (code design + other items)	Professor, Yazd University of Medical Sciences	30 minutes (18-18:30)
Dr. Gholamreza Mahmoudi Kandari	Creativity, entrepreneurship, and job opportunities in environmental health	The CEO of Pakan Ghatreh Innovation Accelerator Company and Secretary of the entrepreneurship team in environmental health	30 minutes (18:30-19)
Dr. Hamid Asadi	Health service offices, Employment opportunities	Head of the Economic Coordination Center, Ministry of Health and Medical Education	30 minutes (19-19:30)
Mr. Ali Ghurani	Job opportunities and income generation in radiation health (Health of nuclear energy and electromagnetic waves)	Director of health programs for exposure to nuclear energy and electromagnetism (radiation health) Ministry of Health and Medical Education	30 minutes (19:30 - 20:00)



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Second day: Wednesday, 21. December (Morning)

Session 4: Monitoring of the environmental pollutants 8:15 AM- 10:15 AM

Members of the session: Prof. Mohammad Malakoutian (Chairman) - Prof. Ali Akbar Babaei-Dr. Gholamreza Gudarzi - Prof. Ramin Nabizadeh Nodehi - Prof. Bijan Bina – Prof. Mahnaz Nikaeen - Dr. Mohammad Hosseini

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Speaker	Title	Time
Prof. Andre Niemann	Environmental Monitoring of health-related biomarkers in wastewater flows – Experiences from Europe (In English)	(8:15 -8:35) 20 minutes
Prof. Torsten C. Schmidt	Comprehensive analysis of organic micropollutants in water combining passive sampling, non-target screening, and advanced chemometrics (In English)	(8:35-8:55) 20minutes
Mr. Victor Chaplygin	The morphology of roots and leaves of <i>Verbascum thapsus</i> L. under soil pollution (In English)	(8:55-9:05) 10 minutes
Dr. Mohammad Javad Mohammadi	Investigating the effect of particulate matter caused by dust on the health of exposed people using the Air-Q model (In Persian)	(9:05-9:15) 20 minutes
Dr. Farshid Soleimani	Toxic effect of cigarette butts leachates on blood markers and different body tissues of <i>Periophthalmus waltoni</i> species from the Persian Gulf Region (In Persian)	(9:15 -9:25) 10 minutes
Habib Nejati	Investigation on the presence and abundance of microplastic in highly consuming marine and farmed fish species in Mazandaran province (In Persian)	(9:25 -9:35) 10 minutes
Dr. Maryam Ravanbakhsh	Polycyclic aromatic hydrocarbons (PAHs) and butyltins in seawater, sediment, and fish samples from Ghazaleh estuary, Persian Gulf (In Persian)	(9:35 -9:45) 10 minutes
Neda Kayedi	Air Pollution history and projection in the most polluted city in the world (In Persian)	(9:45 -9:55) 10 minutes
	Q & A	(9:55-10:15) 20 minutes
	Rest	15 minutes



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Second day: Wednesday, 21. December (Morning)

Session 5: Sciences and technologies for prevention, management, treatment and control of environmental pollutants, 10: 30 AM - 12: 30 PM

Members of the session: Dr. Zabihollah Yousefi (Chairman) - Dr. Afshin Takdestan - Dr. Gholamreza Mousavi - Dr. Mohammad Mehdi Amin - Dr. Roshanak Rezaei Kalantari- Dr. Seyed Nadali Alavi- Dr. Alireza Rahmani

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Speaker	Title	Time
Prof. Tatiana Minkina	Identification, measurement and remediation of soil pollution by heavy metals (In English)	(10:30 -10:50) 20 minutes
Prof. Susana Silva Martínez	Environmental technology and wastewater treatment (In English)	(10:50-11:10) 20minutes
Dr. Luis Diaz de Tuesta	Catalysts prepared from carbon-rich wastes and their application in the wastewater treatment by CWPO under a circular economy scene (In English)	(11:10-11:30) 20 minutes
Dr. Vishnu D. Rajput	Role of Green Synthesized Nanomaterials to Improve the Soil Health (In English)	(11:30-11:40) 10 minutes
Fahimeh Shamseali	Electrochemical denitrification of aqueous solutions using Ti/RO2 anode and graphite cathode: RSM modeling and Monte Carlo sensitivity analysis (In Persian)	(11:40-11:50) 10 minutes
Dr. Yadollah Ghafari	Investigating the performance of activated carbon catalyzed ozonation for removal of antibiotics in hospital wastewater (In Persian)	(11:50-12:00) 10 minutes
Majid Amiri Gharaghani	Evaluating photo-catalytic ozonation process using ZnO catalytic fixed bed in the degradation of para-nitroaniline from aqueous solutions (In Persian)	(12:00-12:10) 10 minutes
	Q & A	(15:10-15:30) 20 minutes
	Rest	1 Hour



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Session 6: Other issues related with environmental health, 13:30 PM – 15: 30 PM

Members of the session: Prof. Kamyar Yaghmaeian(Chairman) - Prof. Mehdi Farzad Kia - Prof. Mehrdad Farrokhi- Dr. Mahmoud Ali Mohammadi - Dr. Abdulkazem Nisi - Prof. Ali Almasi - Prof. Afshin Maleki – Dr. Yaser Tahmasebi Birgani

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Speaker	Title	Time
Prof. Ahmad Ali Enayati	Environmental factors related to the environment and the prevalence of emerging and re-emerging diseases transmitted by arthropods (In Persian)	(13:30 -13:50) 20 minutes
Prof. Ravi Naidu	Waste to wealth: tapping a hidden resource (In English)	(13:50-14:10) 20minutes
Dr. Chetan Keswani	Microbial Biopesticides: An Enigma for Human and Environmental Health (In English)	(14:10-14:20) 10 minutes
Dr. Dariush Naghipour	Remove safranin dye from the Aqueous solution using zinc oxide stabilized on zeolite in the presence of ultraviolet light (In Persian)	(14:20-14:30) 10 minutes
Dr. Nahid Navidjouy	Bioenergy production and removal of organic matters from wastewater using microbial fuel cell system (In Persian)	(14:30 -14:40) 10 minutes
Farzaneh Gharibzadeh	Health and economic impact assessment of walking and cycling as transportation modes in Tehran megacity (In Persian)	(14:40-14:50) 10 minutes
Dr. Gholamhossein Safari	Exposure to pesticide residues in the Northwestern of Iran: A Probabilistic health risk study based on consumption of apple using Monte Carlo Simulation (In Persian)	(14:50-15:00) 10 minutes
Dr. Fatemeh Kardel	Assessing the health risk of stone mine workers to the Al, Cu, Pb and Ni elements using lichen (In Persian)	(15:00-15:10) 10 minutes
Dr. Sudhir S. Shende	Bio-fabrication of nanoparticles (NPs): An emerging approach for the sustainable developments	(15:10-15:20) 10 minutes
	Q & A	(15:20-15:40) 20 minutes
	Rest	5 minutes



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Second day: Wednesday, 21. December (Evening)

Meeting of wealth creation and value creation in environmental health, 15:45 PM- 17:45 PM

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Topic	Side	the speaker
Promotion and development of technology in environmental health	Director of the Health Technology Development, Ministry of Health and Medical Education	Dr. Hamid Reza Banafshe
Introducing businesses related to environmental health	Professor, Shahid Sadoughi University of Medical Sciences	Dr. Mohammad Taghi Ghaneian
Creativity, entrepreneurship and job opportunities in environmental health	The CEO of Pakan Ghatreh Innovation Accelerator Company and Secretary of the entrepreneurship team in environmental health	Dr. Gholamreza Mahmoudi Kandari
Need, the mother of opportunities and riches	Director of health programs for exposure to nuclear energy and electromagnetism (radiation), (healthMinistry of Health and Medical Education	Mr. Ali Ghorani
Open innovation in the development of technological products	Vice Chancellor of Research and Technology, Qom University of Medical Sciences	Dr. Rahim Aali
Facilitator	Associate Professor, Environmental Health Engineering, Shahid Sadoughi University of Medical Sciences, Yazd	Dr. Mehdi Mokhtari
Q & A		



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Second day: Wednesday, 21. December (Evening)

Workshop: Research challenges in Microplastic Studies 18:00 PM-19: 30 PM

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Title	Position	Speaker
Research challenges in the study of microplastics	Assistant Professor, Department of Earth Sciences, College of Sciences, Shiraz University, Shiraz, Iran, Department of Radiochemistry and Environmental Chemistry, Faculty of Chemistry, Maria Curie-Skłodowska University, Poland	Dr. Sajjad Abbasi

Third day: Thursday, 22. December (Morning)

**Meeting: Medical Geology, current trends , challenges and future horizons
8:15 AM- 10:15 AM _ _**

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Title	Speaker
Professor of Environmental Health Engineering, Kerman University of Medical Sciences	Prof. Mohammad Malakootian
Professor of Geology, Shahid Chamran University of Ahvaz	Prof. Alireza Zarasvandi
Professor of Environmental Health Engineering, Tabriz University of Medical Sciences	Prof. Mohammad Mosaferi
Associate Professor of Geology, Shahid Bahonar University, Kerman	Dr. Ahmad Abbas Nejad
Medical Geology Center, Geological Survey and Mineral Exploration of Iran	Dr. Parisa Pirozfar
Assistant Professor of Geology, Ahvaz Jundishapur University ,of Medical Sciences	Dr. Reza Dehbandi



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Third day: Thursday, 22. December (Morning)

Closing ceremony 10:30 AM- 11:30 AM

Speaker	Title	Time
Dr. Pejman Bakhtiarinia	Health Vice- chancellor, Ahvaz Jundishapur University of Medical Sciences	(10:30 -10:40) 10 minutes
Professor. André Niemann	Environmental Monitoring of health-related biomarkers in wastewater flows – Experiences from Europe (In English)	(10:40 -11:00) 20 minutes
	Announcing the names of the best speeches and posters	(11:00-11:15) 15 minutes
	The final resolution of the conference	(11:15-11:30) 15 minutes

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Third day: Thursday, 22. December (Evening)

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Special educational lecture 1:

Time	Title	Speaker
15:30-14:00	Health Economic Assessment Tools	Prof. Masoud Yunesian Dr. Farzaneh Gharibzadeh
Introduction of practical and up-to-date tools to measure the benefits and limitations of active transportation (walking and cycling) in different levels of air pollution.		



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Special educational lecture 2:

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Time	Title	Speaker
17:45-15:45	Introduction to International Chemical Safety Cards (ICSC)	Dr. Homa Kashani

International chemical safety cards (ICSC) have information about essential health, hygiene, and safety information at different levels of work, from shops to health and safety administrators in factories, agriculture, construction, and other places. Also, it can be applied by responsible agencies regarding chemical incidents and thus play an essential role in promoting the safe use of chemicals.

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