IRQUA
Iranian Quaternary Association

وزارت صنعت، معدن و تجارت
سازمان زمین‌شناسی و اکتشافات معدنی کشور

دانشگاه فردوسی مشهد

4th International Conference on

Quaternary Sciences

2025

Venue:
Mashhad, Iran

Vroom:
https://vroom.um.ac.ir/iranqua2025

10 Dec, 2025 | 8:00 - 18:00

Ferdowsi University of Mashhad
Azadi Square, Mashhad, Razavi Khorasan Province, Iran

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Agenda

Schedule for 4th International Conference on Quaternary Sciences

2025

8:00 - 8:30	**Registration & Networking**
8:30 - 9:00	**Coffee Break**
9:00 - 10:00	**Opening Keynote**
10:00 - 12:00	**Session 1 (English)**
12:00 - 13:30	**Lunch Break**
13:30 - 15:30	**Session 2 (Persian)**
15:30 - 15:45	**Coffee Break & poster presentation**
15:45 - 17:00	**Session 3 (Persian)**
17:00 - 18:00	**Closing Keynote**

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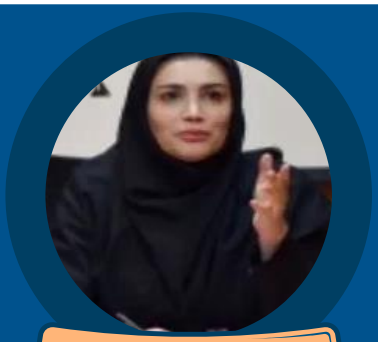
دانشگاه فردوسی مشهد

Dr. Mohseni
Scientific Secretary



Dr. Maleki
Executive Secretary

Opening Ceremony	09:00 09:10	Recitation of the Holy Quran and the National Anthem of the Islamic Republic of Iran
Dr. Mohmad Javad Sadati	09:10 09:20	Director of the Office of the President of Ferdowsi University of Mashhad
Dr. Reza Shahbazi	09:20 09:40	President of the Iranian Quaternary Association (IRQUA)
Dr. Neda Mohseni	09:40 10:00	Scientific Secretary of the Conference

Opening Keynote

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Session Chair

Dr. Zarrin

Dr. Vahdati Nasab

Dr. Amiri

Dr. Azar Zarrin	10:00 10:15	The Role of Quaternary Evidence in IPCC Climate Assessments: Lessons from the Past for Future Projections
Dr. Hamed Vahdati Nasab	10:15 10:30	The Quaternary and Human History from Climate Change to Cognitive Change
Dr. Christian Zeeden	10:30 10:45	Loess covers and their effect on groundwater recharge
Dr. Peter Wigand	10:45 11:00	Holistic approaches to sustainable environmental design, involving data collection, knowledge transfer, and political engagement.
Dr. Ali Mohmadi	11:00 11:15	Landforms and soil system sciences
Dr. Haichao Xie	11:15 11:30	Loess-paleosol sedimentological characteristics in northern Iran since the last interglacial and their paleoenvironmental significance
Dr. Reza Safaierad	11:30 11:45	North Atlantic control of the Holocene dust activity in West Asia recorded in Lake Parishan, SW Iran
Dr. H Yang	11:45 12:00	The asynchronous evolution of the Asia winter monsoon across central to East Asia during late Quaternary

Session 1 (English)

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دانشگاه فردوسی مشهد

Session Chair

Dr. Azizi

Dr. Mofidi

Dr. Karimi

Dr. Ebrahim Asadi Oskouei	13:30 13:45	Resilience and Adaptation Strategies for Confronting Climate Change with an Emphasis on Agriculture
Dr. Rahim Zahedi	13:45 14:00	Water, energy, food and environment nexus (WEFEN): Sustainable transition, gaps and Covering approaches
Dr. Abbas Mofidi	14:00 14:15	Theorizing Dust Storm Genesis in the Middle East: Insights into the Mechanical Role of the Zagros Mountains
Dr. Alireza Vaezi	14:15 14:30	First Evidence of Little Ice Age Hydroclimatic Variability from South-Central Iran
Dr. Hossein Vahidi	14:30 14:45	GeoAI: Past, Present, and Future
Dr. Elnaz Aghaali	14:45 15:00	Glacial or Fluvial? New Geomorphic evidence in the Shirkuh Mountains, Central Iran
Dr. Neda Rahimzadeh	15:00 15:15	Timing and development of coastal sand dunes in Golestan Province, northern Iran, and implications for Caspian Sea-level change
Dr. Hadi Jarahi	15:15 15:30	Paleo Mega lake of Rey: a synthesis of palaeolacustrine evidence from Central Iran

Session 2 (Persian)

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دانشگاه فردوسی مشهد

Session Chair

Dr. Amiri

Dr. Karimi

Dr. Zahedi

Dr. Zaniar Amiri	15:45 – 16:00	Quantitative estimation of paleoprecipitation during the Quaternary period in northern Iran
Dr. Zeynab Taslimi	16:00 – 16:15	Coastal Hazard Risk Analysis in Two Distinct Geomorphic environment of the Southern Caspian Sea
Dr. Khalil Rezaei	16:15 – 16:30	Economic Importance of Quaternary Placer Deposits
Ms. Haniyeh Ghayeni	16:45 – 17:00	Tectono–Climatic Evolution of the Tabas Playa during the Quaternary and the Role of the Nayband and Kalmrad Faults in Its Formation and Development

Session 3 (Persian)

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دانشگاه فردوسی مشهد

Closing Keynote

Schedule for 4th International Conference on Quaternary Sciences

2025

Dr. Reza Shahbazi	17:00 17:15	**Report on the Future Program of the Iranian Quaternary Association (IRQUA)**
Dr. Neda Mohseni	17:15 17:30	**Final Report and Closing Declaration of the 4th International Conference on Quaternary Sciences**
Closing	17:30 18:00	**Acknowledgement**

More Information At
https://conf.iranqua.ir/