

**2022 INQUA LoessFest, 20-23 August, ZOOM ID: 851 209 7540 (password sent to participants)**

**20<sup>th</sup> August, 2022**

**Chairperson: Shiling Yang**

China Time	GMT	Presenter	Affiliation	Title
15:35-15:45	7:35-7:45	<b>Welcome Remarks</b> Shiling Yang, Conference organizer, Institute of Geology and Geophysics, Chinese Academy of Sciences Thijs van Kolfschoten, INQUA President, Leiden University		
15:45-16:10	7:45-8:10	An Zhisheng ( <i>Keynote Speaker</i> )	Institute of Earth Environment, Chinese Academy of Sciences	Chinese loess: A key record of global changes
16:10-16:35	8:10-8:35	Fahu Chen ( <i>Keynote Speaker</i> )	Institute of Tibetan Plateau Research, Chinese Academy of Sciences	Loess deposits in central Asia and their paleoclimatic implications
16:35-16:45	8:35-8:45	Break		

**Chairperson: Huayu Lu**

China Time	GMT	Presenter	Affiliation	Title
16:45-17:00	8:45-9:00	Xiaoping Yang	Zhejiang University	Geomorphological, sedimentological and geochemical evidence for the provenances of aeolian sands in the sand seas and sandy lands of northern China
17:00-17:15	9:00-9:15	Zdzisław Jary	University of Wrocław	Last Glacial sudden climate changes recorded in periglacial loess of Poland and western part of Ukraine
17:15-17:30	9:15-9:30	Xiuming Liu	Fujian Normal University	Geological features of Quaternary loess and its significances
17:30-17:45	9:30-9:45	Thomas Stevens	Uppsala University	Loess deposits in central Sweden
17:45-18:00	9:45-10:00	Zhiwei Xu	Nanjing University	Present-day dust emission from northern China associated with climate change and land-use management
18:00-19:30	10:00-11:30	Break		

**Chairperson: Zdzisław Jary**

China Time	GMT	Presenter	Affiliation	Title
19:30-19:45	11:30-11:45	Chaofeng Fu	Chang'an University	Late Miocene East Asian Summer Monsoon change recorded by Aeolian deposits of Jianzha Basin in the Northeastern margin of the Tibetan Plateau
19:45-20:00	11:45-12:00	Olga Meshcheriakova	Schmidt Institute of Physics of the Earth	Rock-magnetic properties of Late Quaternary loess-paleosol sequence of Tajikistan (Khonako-II section)
20:00-20:15	12:00-12:15	Guoqiang Li	Lanzhou University	The high-resolution luminescence chronology of loess-paleosol records from central-Eastern Asia revealed differential ice volume and orbital modulation of Quaternary moisture patterns between Central and East Asia
20:15-20:30	12:15-12:30	Sándor Gulyás	University of Szeged	Multimillennial paleoenvironmental, temperature variations and aeolian dynamics of the past 1 My inferred from a multiproxy study of the thickest, best resolved independently dated loess/paleosol record from SW Hungary
20:30-20:45	12:30-12:45	Haichao Xie	Institute of Tibetan Plateau Research, Chinese Academy of Sciences	The Climate and Environment Changes in the Northeastern Iran Recorded by Loess-paleosol during the Last Interglacial
20:45-20:55	12:45-12:55	Break		

**Chairperson: Thomas Stevens**

China Time	GMT	Presenter	Affiliation	Title
20:55-21:10	12:55-13:10	Qiang Wang	Zhejiang Normal University	Holocene moisture variations in western arid central Asia inferred from loess records from NE Iran
21:10-21:25	13:10-13:25	Natalia Taratunina	Lomonosov Moscow State University	Late Pleistocene cryogenesis of the Lower Volga loess-paleosol sequences: structure and chronology
21:25-21:40	13:25-13:40	Yaowu Hu	Fudan University	Loess and Civilization: Integrated Archaeological Evidence to Reveal the Interplay of Millet Agriculture with Chinese Civilization in the Loess Areas
21:40-21:55	13:40-13:55	Jia Jia	Zhejiang Normal University	Temperature dependence of pedogenic magnetic mineral formation in loess deposits
21:55-22:10	13:55-14:10	Olga Tokareva	Institute of Geography of the Russian Academy of Sciences	Late Quaternary pedogenesis in loess-paleosol sequence of Obi-Mazar (Tajikistan)
22:10-22:20	14:10-14:20	Break		

**Chairperson: Natalia Taratunina Poster Session I**

China Time	GMT	Presenter	Affiliation	Title
22:20-22:26	14:20-14:26	Qingzhen Hao	Institute of Geology and Geophysics, Chinese Academy of Sciences	Clay mineralogy of the Stari Slankamen (Serbia) loess-paleosol sequence during the last glacial cycle — Implications for dust provenance and interglacial climate
22:26-22:32	14:26-14:32	Shuangwen Yi	Nanjing University	Sea-level changes constrained by coastal loess accumulations in northern China over the past 200 ka
22:32-22:38	14:32-14:38	Svetlana Timireva	Institute of Geography of the Russian Academy of Sciences	Reconstruction of the stages of loess sedimentation and paleosol development in the Pekla section (Taman peninsula, Russia)
22:38-22:44	14:38-14:44	Yury Kononov	Institute of Geography of the Russian Academy of Sciences	New data on the structure of the loess-paleosol series of the middle Kuban river valley
22:44-22:50	14:44-14:50	Yongda Wang	Institute of Geology and Geophysics, Chinese Academy of Sciences	Provenance and paleoclimatic implications of loess deposits in Shandong Province, eastern China
22:50-22:56	14:50-14:56	Shiyu Shao	China University of Geosciences, Wuhan	A simulation study on the interdecadal variation of summer precipitation in North China in the Late Ming and Early Qing Dynasties
22:56-23:02	14:56-15:02	Qida Jiang	Institute of Geology and Geophysics, Chinese Academy of Sciences	Modern sand supply of the Tengger Desert and temporal variations in sand provenance driven by northern Hemisphere glaciation
23:02-23:08	15:02-15:08	Zhi Liu	Baoji University of Arts and Sciences	Comparative analysis of the magnetism between Chinese and Serbian loess deposits
23:08-23:14	15:08-15:14	Ju'e Tian	Chang'an University	Reflectance spectra of Late Miocene Sediments from the Jianzha Basin in Northeastern Margin of the Tibetan Plateau and their Paleoclimatic Significance
23:14-23:20	15:14-15:20	Zuzanna Kabacińska	Babes-Bolyai University	Revisiting natural and laboratory electron spin resonance (ESR) dose response curves of quartz from Chinese loess
23:20-23:26	15:20-15:26	Daniela Constantin	Babeş-Bolyai University	An empirical study on the variability of luminescence ages for coeval loess samples

**21<sup>st</sup> August, 2022**

**Chairperson: Gaojun Li**

China Time	GMT	Presenter	Affiliation	Title
15:55-16:10	7:55-8:10	Junsheng Nie	Lanzhou University	Spatial and temporal provenance variations of the Chinese Loess Plateau over the late Miocene to early Pleistocene: a window into the reorganization of the Yellow River and monsoon activity
16:10-16:25	8:10-8:25	Yibo Yang	Institute of Tibetan Plateau Research, Chinese Academy of Sciences	Cenozoic Asian dust provenance changes linked to the Tibetan Plateau uplift
16:25-16:40	8:25-8:40	Hanzhi Zhang	Nanjing Univeristy	Large-number detrital zircon U-Pb ages reveal global cooling caused formation of Chinese Loess Plateau during Late Miocene
16:40-16:50	8:40-8:50	Break		

**Chairperson: Junsheng Nie**

China Time	GMT	Presenter	Affiliation	Title
16:50-17:05	8:50-9:05	Haobo Zhang	Lanzhou University	Spatially variable provenance of the Chinese Loess Plateau
17:05-17:20	9:05-9:20	Katja Bohm	University of Helsinki	Global climate change and East Asian dust sources: combined rutile geochemistry and zircon U-Pb analysis from Baode, Chinese Loess Plateau
17:20-17:35	9:20-9:35	Yao Gu	Nanjing University	Radiocarbon dating of small snail shells in loess-paleosol sequence at Mangshan, central China
17:35-17:50	9:35-9:50	Fan Lv	Nanjing University	Mineral assemblages in Chinese loess deposits: Implications for past regional weathering intensity
17:50-18:05	9:50-10:05	Jishuai Yang	Lanzhou University	Sustainable intensification of millet-pig agriculture in Neolithic North China
18:05-19:30	10:05-11:30	Break		

**Chairperson: Kaja Fenn**

China Time	GMT	Presenter	Affiliation	Title
19:30-19:45	11:30-11:45	Xin Wang	Lanzhou University	A new proxy index for wet-dry seasonality of paleoclimate using the range of $\delta^{18}\text{O}$ within single shell of land snails
19:45-20:00	11:45-12:00	Shengqian Chen	Institute of Tibetan Plateau Research, Chinese Academy of Sciences	Holocene dust storm variations over northern China: transition from a natural forcing to an anthropogenic forcing
20:00-20:15	12:00-12:15	Ekaterina Kulakova	Schmidt Institute of Physics of the Earth RAS	On the problem of position of the Matuyama-Brunhes transition in the loess-paleosol series of Tajikistan
20:15-20:30	12:15-12:30	Xinxia Li	China University of Geosciences, Wuhan	Atlantic meridional overturning circulation modulation of late Pleistocene to middle Holocene Asian summer monsoon variability and palaeoanthropological implications
20:30-20:45	12:30-12:45	Zisha Wang	Northwest Institute of Ecology and Environmental Resources, Chinese Academy of Sciences	Microcharcoals witness the Holocene vegetation history across the Loess Plateau and its implications on the plant management
20:45-20:55	12:45-12:55	Break		

**Chairperson: Randall Schaetzl**

China Time	GMT	Presenter	Affiliation	Title
20:55-21:20	12:55-13:20	Majie Fan ( <i>Keynote Speaker</i> )	University of Texas Arlington	Nature and causes of the mid-Cenozoic loess in the western USA
21:20-21:35	13:20-13:35	Jiawei Da	Nanjing University	Reconstructing Pleistocene atmospheric CO <sub>2</sub> levels using paleosols from the Chinese Loess Plateau
21:35-21:50	13:35-13:50	Zhe Wang	Nanjing University	Evaluation of dichromate oxidation method for extracting black carbon from loess deposits
21:50-22:05	13:50-14:05	Wenjie Yuan	Beijing Normal University	Aeolian-fluvial interaction sequence indicates landforms process in the Paiku Co basin, central Himalayas
22:05-22:15	14:05-14:15	Break		

**Chairperson: Xin Wang Poster Session II**

China Time	GMT	Presenter	Affiliation	Title
22:15-22:21	14:15-14:21	Randall Schaetzl	Michigan State University	Mapping the Loess Cover of Wisconsin (USA) provides insight into loess depositional and re-depositional systems, post-MIS 2
22:21-22:27	14:21-14:27	Chunxia Zhang	Institute of Geology and Geophysics, Chinese Academy of Sciences	Clay mineralogical and geochemical record from a loess-soil sequence in Chinese Loess Plateau during the past 880 ka and the implication on the East Asian Summer Monsoon
22:27-22:33	14:27-14:33	Shujian Xu	Linyi University	Size-dependent geochemical characteristics of loess sequence from the Central Shandong Mountainous region: Implications for the provenance of eolian deposits in China
22:33-22:39	14:33-14:39	Hao Lu	Institute of Geology and Geophysics, Chinese Academy of Sciences	Insolation and CO <sub>2</sub> impacts on the spatial differences of the MIS-9 and MIS-11 climate between monsoonal China and central Asia
22:39-22:45	14:39-14:45	Yunkun Shi	Qinghai Normal University	Environmental implications of magnetic susceptibility varied with different altitudes in aeolian loess from the Qinghai Lake area
22:45-22:51	14:45-14:51	Yue Li	Institute of Earth Environment, Chinese Academy of Sciences	Late Pleistocene dynamics of dust emissions related to Westerlies in northern Central Asia: New insights from quantifying loess provenance in the North Tian Shan
22:51-22:57	14:51-14:57	Wubiao Li	Institute of Geology and Geophysics, Chinese Academy of Sciences	Holocene variations of hydroclimate and dust activity as recorded in lake sediments in the northern margin of East Asian summer monsoon
22:57-23:03	14:57-15:03	Lily Pfeifer	University of Oklahoma	Paleo-Loess from the Late Paleozoic of Eastern Equatorial Pangaea

**22<sup>nd</sup> August, 2022**

**Chairperson: Qingzhen Hao**

China Time	GMT	Presenter	Affiliation	Title
15:30-15:55	7:30-7:55	Weijian Zhou ( <i>Keynote Speaker</i> )	Institute of Earth Environment, Chinese Academy of Sciences	Geomagnetic tracing studies using Chinese loess <sup>10</sup> Be
15:55-16:10	7:55-8:10	Leibin Wang	Guangzhou University	Effect of plant roots on radiocarbon dating results in arid central Asia
16:10-16:25	8:10-8:25	Xiaoxu Wang	Beijing Normal University	<b>Cancelled</b>
16:25-16:40	8:25-8:40	Redzhep Kurbanov	Lomonosov Moscow State University	Using luminescence dating for identifying hiatuses in the loess-paleosol series of Russia
16:40-16:50	8:40-8:50			Break

**Chairperson: Aditi Krishna Dave**

China Time	GMT	Presenter	Affiliation	Title
16:50-17:05	8:50-9:05	Gang Hu	Institute of Geology, China Earthquake Administration	Luminescence dating of Malan loess in the Sanmen Gorge: implications for sedimentation rate changes across the Chinese Loess Plateau
17:05-17:20	9:05-9:20	Jiang Wu	Nanjing University	Aeolian dust accumulation process since last interglacial revealed by high resolution dating of loess-paleosol sequence in Mangshan, Central China
17:20-17:35	9:20-9:35	Le Li	Nanjing University	Developing the uranium comminution age and its applications in aeolian system
17:35-17:50	9:35-9:50	Hema Achyuthan	Anna University	Pedogenesis and paleoclimate significance of Late Quaternary loess in Kashmir Valley: Evidence from stratigraphy, chronology and geochemistry
17:50-18:05	9:50-10:05	Shihao Zhang	Institute of Geology and Geophysics, Chinese Academy of Sciences	Wind-blown origin and erodibility of the black soil in Northeast China: evidence from particle size characteristics
18:05-19:30	10:05-11:30			Break

**Chairperson: Zihua Tang**

China Time	GMT	Presenter	Affiliation	Title
19:30-19:45	11:30-11:45	Yimin Yang	University of Chinese Academy of Sciences	Herding revolution in the Loess plateau
19:45-20:00	11:45-12:00	Shijie Zhao	University of Science and Technology of China	Study of the origins of sacrificial victims from the YinXu Royal Tomb using dietary isoscapes
20:00-20:15	12:00-12:15	Jiao Li	Northwest University, China	Isotopic Analysis on Bone Artefacts of Bone Workshop during the Qin Dynasty in Niejiagou, Xianyang, China
20:15-20:30	12:15-12:30	Péter Cseh	University of Szeged	Kurgans – a special burial site in the loessy region of the Carpathian Basin
20:30-20:45	12:30-12:45	Lanying Shi	Hebei Normal University	Excavation at Jhang Bahatar, Pakistan
20:45-20:55	12:45-12:55			Break

**Chairperson: Zhiwei Xu**

China Time	GMT	Presenter	Affiliation	Title
20:55-21:20	12:55-13:20	Gerilyn S. Soreghan ( <i>Keynote Speaker</i> )	University of Oklahoma	Loess and Dust in Permian Pangaea
21:20-21:35	13:20-13:35	Chengcheng Ye	Shanghai Normal University	Application of new indices of clay minerals in tracing the chemical weathering history of the Loess Plateau in the Late Miocene
21:35-21:50	13:35-13:50	Xinbo Gao	Institute of Geology and Geophysics, Chinese Academy of Sciences	Uplift of the northeastern Tibetan Plateau leads to the extreme desertification in East Asia around 0.9 Ma
21:50-22:05	13:50-14:05	Zihua Tang	Institute of Geology and Geophysics, Chinese Academy of Sciences	Livestock supply to an imperial sacrificial site of the Early Chinese Empires evidenced by strontium isotope ratios
22:05-22:15	14:05-14:15			Break

**Chairperson: Lily Pfeifer Poster Session III**

China Time	GMT	Presenter	Affiliation	Title
22:15-22:21	14:15-14:21	Xuelian Guo	Lanzhou University	<b>Cancelled</b>
22:21-22:27	14:21-14:27	Sándor Gulyás	University of Szeged	Endemic evolution and Ice age refugia in a thermal lake at the fringe of a loessy landscape during the Late Glacial and the Holocene
22:27-22:33	14:27-14:33	Jie Chen	South China Normal University	Late Quaternary wind erosion of Chinese loess and proximal desert evolution recorded by the accumulation of aeolian deposits on the southeastern margin of the Mu Us dune field
22:33-22:39	14:33-14:39	Yue Du	Beijing Normal University	Holocene biological remains and their environmental significance in the eastern sandy land of Qinghai Lake
22:39-22:45	14:39-14:45	Shengli Yang	Lanzhou University	Environmental changes in the eastern Tibetan Plateau since the last interglacial recorded from the Ganzi loess sequence
22:45-22:51	14:45-14:51	Hongxuan Lu	Institute of Earth Environment, Chinese Academy of Sciences	800-kyr land temperature variations modulated by vegetation changes on Chinese Loess Plateau
22:51-22:57	14:51-14:57	Yanping Sun	Taishan University	Dust accumulation process determined via grain size end-member modelling of Xifeng loess over the last interglacial on the Chinese Loess Plateau
22:57-23:03	14:57-15:03	Tianxiao Wang	Lanzhou University	Holocene temperature variations recorded by the loess-paleosol sequence from the Ganjia Basin in the northeastern Tibetan Plateau
23:03-23:09	15:03-15:09	Mingliang Zhou	Institute of Geology and Geophysics, Chinese Academy of Sciences	Magnetic enhancement mechanism of loess-soil sequence at Qin'an during Middle Miocene and its paleoclimate significance
23:09-23:15	15:09-15:15	Anton Anoykin	Institute of Archaeology and Ethnography RAS	Loess archaeological sites of Final Middle Palaeolithic in the Rubas valley (North-Eastern Caucasus): stratigraphy, chronology and archaeology

**23<sup>rd</sup> August, 2022**

**Chairperson: Shengwen Qi**

China Time	GMT	Presenter	Affiliation	Title
15:30-15:55	7:30-7:55	Slobodan Marković ( <i>Keynote Speaker</i> )	University of Novi Sad	Synchronicity between IRD events in Northern Atlantic and grain size variations of the Serbian loess during the last million years
15:55-16:10	7:55-8:10	Zhiqing Li	Institute of Geology and Geophysics, Chinese Academy of Sciences	Microstructural insight into the characteristics and mechanisms of compaction of an intact, compacted and remolded loess for land-creation project from the Loess Plateau
16:10-16:25	8:10-8:25	Zhuolong Jia	Chang'an University	Study on the improvement of guar gum on the anti-erosion properties and soil-water retention capacity of fiber-reinforced loess
16:25-16:40	8:25-8:40	Xiaokun Hou	Institute of Geology and Geophysics, Chinese Academy of Sciences	Water migration characteristics in thick compacted loess due to mega engineering projects
16:40-16:50	8:40-8:50	Break		

**Chairperson: Pierre Antoine**

China Time	GMT	Presenter	Affiliation	Title
16:50-17:05	8:50-9:05	Lina Ma	Institute of Geology and Geophysics, Chinese Academy of Sciences	Investigation on the deformation and failure patterns of loess cut slope based on the unsaturated triaxial test in Yan'an, China
17:05-17:20	9:05-9:20	Yaguo Zhang	Chang'an University	Settlement prediction of filling compacted loess soil subjected water infiltration
17:20-17:35	9:20-9:35	Ziran Zhang	Chang'an University	Coupled Hydro-mechanical Behavior of Compacted Loess during Isotropic Compression
17:35-17:50	9:35-9:50	Han Bao	Chang'an University	Time-dependency deterioration of two ecological materials in loess cut-slope protecting
17:50-18:05	9:50-10:05	Evgeny Konstantinov	Institute of Geography, Russian Academy of Science	Late Quaternary loess in the Ciscaucasia (South of Russia): distribution, composition, and source of mineral dust
18:05-19:30	10:05-11:30	Break		

**Chairperson: Zhongshi Zhang**

China Time	GMT	Presenter	Affiliation	Title
19:30-19:55	11:30-11:55	Thomas Stevens ( <i>Keynote Speaker</i> )	Uppsala University	Neogene-Quaternary loess sources of Eurasia
19:55-20:10	11:55-12:10	Hong Ao	Institute of Earth Environment, Chinese Academy of Sciences	Orbital and millennial Asian monsoon variations across Northern Hemisphere glaciation
20:10-20:25	12:10-12:25	László Makó	University of Szeged	Pécel: a special Middle and Late Pleistocene loess profile from the Northern part of the Carpathian Basin
20:25-20:40	12:25-12:40	Haozhong Xue	Institute of Geology and Geophysics, Chinese Academy of Sciences	Correlation and discussion of Chinese loess stacked records based on nonlinear time series analysis
20:40-20:55	12:40-12:55	Dongxue Chen	Beijing Normal University	Holocene prehistoric human activities recorded by palynology in the Mu Us Desert, China
20:55-21:10	12:55-13:10	Jian Kang	Institute of Tibetan Plateau Research, Chinese Academy of Sciences	Critical altitudinal shift from detrital to pedogenic origin of the magnetic properties of surface soils in the western Pamir Plateau, Tajikistan
21:10-21:20	13:10-13:20	Break		

**Chairperson: Sándor Gulyás Poster Session IV**

China Time	GMT	Presenter	Affiliation	Title
21:20-21:26	13:20-13:26	Ruoxiao Gu	China University of Geosciences, Wuhan	Statistical analysis of tropical-cyclone-induced remote precipitation in Henan Province, China during 1961 and 2015
21:26-21:32	13:26-13:32	Peng Jia	Chang'an University	Leachate lithium content records paleoclimate change during the last glacial-interglacial cycle on the Loess Plateau of China
21:32-21:38	13:32-13:38	Tianao Xu	China University of Geosciences, Wuhan	ENSO events during the LIG period under the background of sea level rise
21:38-21:44	13:38-13:44	Ning Liu	Taishan University	High-resolution optically stimulated luminescence ages of monsoon records over the last glacial-interglacial cycles from the loess of the Chinese Loess Plateau
21:44-21:50	13:44-13:50	Zixuan Chen	Lanzhou University	HIRM variation in the Ganzi loess of the eastern Tibetan Plateau since the last interglacial period and its paleotemperature implications for the source region
21:50-21:56	13:50-13:56	Li Liu	Lanzhou university	Chronology and dust mass accumulation history of the Wenchuan loess on eastern Tibetan Plateau since the last glacial

**Chairperson: Shiling Yang**

21:56-22:30	13:56-14:30	<b>Closing Remarks</b> Zhengtang Guo, Conference President, Institute of Geology and Geophysics, Chinese Academy of Sciences Zdzisław Jary, University of Wrocław		
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