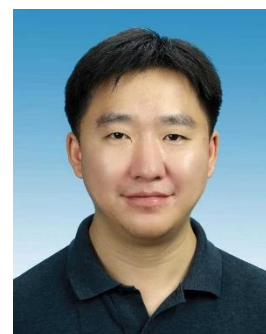


Hua Zhang, Ph.D.

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Education & Experience

Hua Zhang got his Bachelor and Master degree of Sedimentology from Chengdu University of Technology (China) in 2008 and 2011, respectively. After then, he completed further study on environmental changes and mineral resources of both modern salt lakes and ancient evaporite basins during this doctoral career. He got his PhD and received a position in 2014 from the Institute of Mineral Resource, Chinese Academe of Geological Science.

Since 2014, he mainly focused on the salt and liquid potassium/lithium resources in Lop Nur of eastern Tarim, western China. He has supervised several projects that funded by the National Natural Science Foundation of China (NSFS), the National Science and Technology Major Project of the Ministry of Science and Technology of China, the Major Science and Technology Project of Xinjiang Province of China and Geological Survey Projects of China Geological Survey (CGS). Starting from 2021, he initiated the project of Exploration of Deep Brine in Lop Nur with SDIC Xinjiang Luobupo Potash co., Ltd., and successfully uncovered the potassium-enrichment brine resource in deep Lop Nur, achieving an important breakthrough in potash exploration of China.

He serves as an editorial board member of many journals about geological sciences and supervised / jointly supervised 5 MSc students and 2 PhD students.

Currently, he is interested in the salt mineralogy, brine-salt interaction, hydrological modelling, climatic changes and resources exploration in ancient evaporite basins and modern salt lake.

Five Representative Publications

Hua Zhang*, Fenglin Lü, Chenglin Liu, Pengcheng Jiao, et al. 2023. Evidence for the Late Pliocene Aridification in the Eastern Tarim Basin, Northwest China. *Journal of Earth Science*, 34, 1632-1634.

Hua Zhang*, Pengcheng Jiao, Chenglin Liu, et al. 2021. Discovery of the Ca-Cl type brine in deep aquifers and implications for the shallow giant glauberite deposits in the Lop Nur playa, Tarim Basin, NW China. *China Geology*, 4(2), 364-366.

Lü Fenglin, **Zhang Hua***, Chenglin Liu, et al. 2021. The finalization of the modern drainage pattern of the Tarim Basin: insights from petology and detrital zircon geochronology of sediments from Lop Nur. *Catena*, 205, 105473.

Hua Zhang*, Fenglin Lü, Steffen Mischke, et al. 2017. Halite fluid inclusions and the late Aptian sea surface temperatures of the Congo Basin, northern South Atlantic Ocean. *Cretaceous Research*, 71, 85-95.

Hua Zhang*, Chenglin Liu, Yanjun Zhao, et al. 2015. Quantitative temperature records of mid Cretaceous hothouse: Evidence from halite fluid inclusions. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 437, 33-41.

Candidate's Statement

I am involved in salt lake research for 13 years. My research findings not only contribute to the academic

understanding of salt lakes but also provide practical insights for resource exploration and sustainable utilization. **I am looking forward to becoming a board member of the ISSLR.** Being elected the board member, I will

- aim to actively participate in research projects centered around salt lakes and through this research to contribute to the development of sustainable management strategies of salt/brine resource for salt lakes.
- play an active role in international cooperation, by organizing and participating in international seminars and workshops related to salt lakes. These events will provide a platform for experts from around the world to exchange ideas, share the latest research findings, and jointly explore solutions to the challenges faced by salt lakes.
- commit to promoting public awareness of salt lakes, by creating educational materials to introduce the importance of salt lakes to the general public and by increasing public understanding and concern to encourage more people to support the conservation efforts of salt lakes.