



Turbold Sukhbaatar

Geologist

My Contact

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Language

- Mongolian
- English

Computer Skill

- Arcgis
- Qgis
- R
- GCDkit
- Isoplot
- CorelDraw
- Inkscape

Education Background

- **Mongolian University of Science and Technology, Mongolia**
Bachelor degree in Geology
Completed in 2013
- **Mongolian University of Science and Technology, Mongolia**
Master degree in Geology
Completed in 2014
- **Charles University, Czech Republic**
Doctoral degree (Ph.D.) in Geology
Completed in 2024

About Me

I am a research-based geologist with some years of experience. I am experienced in research fields including regional geology, structural geology, petrology of magmatic and metamorphic rocks, and isotopic geochemistry. My research interest is mainly focused on an accretionary orogenic belt. For instance, my doctoral (Ph.D.) thesis was written based on the structural and tectonic-metamorphic characteristics of the Neoproterozoic and Paleozoic subduction-accretion systems in southwestern Mongolia of the Central Asian Orogenic Belt (CAOB). Using detailed multiple methods in geology, I contributed an understanding of some outstanding geological and geodynamic problems of Mongolian Altai in southwestern Mongolia and published an article in *Tectonics*. The Mongolian Altai recorded 4 or more deformations and metamorphisms that correspond to the evolution of a long-lasting Paleo-Pacific Paleozoic subduction system and the tectonic switches of the internal modes of its own.

Experience & Employment

Mongolian Academy of Sciences | Research Fellow
2013 – 2017

Institute of Petrology and Structural Geology, Charles University | Ph.D. student
2018 – 2023

Czech Geological Survey | Research Fellow
2018 – 2023

Publications

Ren, Q., Zhang, S., Wu, Y., Yang, T., Gao, Y., **Turbold, S.**, et al., 2018. New Late Jurassic to Early Cretaceous Paleomagnetic Results From North China and Southern Mongolia and Their Implications for the Evolution of the Mongol-Okhotsk Suture. *Journal of Geophysical Research: Solid Earth* 123, 370–10,398.

Ren, Q., Zhang, S., **Sukhbaatar, T.**, Zhao, H., Wu, H., Yang, T., et al., 2021. Did the Boreal Realm extend into the equatorial region? New paleomagnetic evidence from the Tuva – Mongol and Amuria blocks. *Earth and Planetary Science Letters* 576, 117246.

Ren, Q., Zhang, S., **Sukhbaatar, T.**, Hou, M., Wu, H., Yang, T., Li, H., Chen, A., 2023. Timing the Hegenshan Suture in the Central Asian Orogenic Belt: New paleomagnetic and geochronological constraints from southeastern Mongolia. *Geophys. Res. Lett.* 50, 1–11.

Sukhbaatar, T., Lexa, O., Schulmann, K., Aguilar, C., Štípská, P., Wong, J., 2022. Paleozoic geodynamics and architecture of the southern part of the Mongolian Altai Zone. *Tectonics* 41. <https://doi.org/10.1029/2022TC007498>

Zhao, P., Appel, E., Xu, B., & **Sukhbaatar, T.**, 2020. First Paleomagnetic Result From the Early Permian Volcanic Rocks in Northeastern Mongolia: Evolutional Implication for the Paleo-Asian Ocean and the Mongol-Okhotsk Ocean. *Journal of Geophysical Research: Solid Earth* 125, 1–16.

Zhao, P., Jia, Z., Xu, B., Xu, Y., **Sukhbaatar, T.**, Appel, E., Chen, Y., 2024. Late Triassic initial closure of the Mongol-Okhotsk Ocean in the western segment: Constraints from sedimentological, detrital zircon ages and paleomagnetic evidence. *Gondwana Research* 125, 110–129.