

Curriculum Vitae

Weihaan Jia

PhD Student

born 07/07/1994 in Tongling, Anhui Province, China

Polar Terrestrial Environmental Systems Research Group

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Professional experience

09/2018-05/2019 **Visiting student and laboratory assistant** at Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research, Potsdam, Germany (Supervisors: Prof. Dr. Ulrike Herzschuh and Dr. Kathleen R. Stoof-Leichsenring)

Education

12/2020-present **PhD Student in Geocology** funded by China Scholarship Council at Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research and University of Potsdam, Potsdam, Germany (Supervisors: Prof. Dr. Ulrike Herzschuh and Dr. Kathleen R. Stoof-Leichsenring)

06/2020 **Master of Science in Quaternary Geology** at Capital Normal University, Beijing, China
Title of thesis: Modern-process studies of plant DNA in lake sediments, Qinghai-Tibetan Plateau and arid northwestern China (Supervisor: Prof. Dr. Xingqi Liu)

07/2017 **Bachelor of Science in Geography** at Anqing Normal University, Anqing, China
(Supervisor of thesis: Feng Liu)

Awards

09/2022 YERUN (Young European Research Universities Network) Research Mobility Award

07/2020 Outstanding Graduate Award in Beijing (Master)

12/2019 China National Scholarship for Master Student

07/2017 Outstanding Graduate Award in Anhui Province (Bachelor)

11/2015 China National Scholarship for Bachelor Student

Expedition experience

08/2022-09/2022 Retrieval of long lake sediment cores using 90mm UWITEC piston coring system in Nome, Alaska, USA

2017-2019 Retrieval of long lake sediment cores using 60mm UWITEC piston coring system in several summer expeditions to Inner-Mongolia, Xinjiang, Tibet, and Sichuan Province, China

Selected publications

Jia, W., Anslan, S., Chen, F., Cao, X., Dong, H., Dulias, K., Gu, Z., Heinecke, L., Jiang, H., Kruse, S., Kang, W., Li, K., Liu, S., Liu, X., Liu, Y., Ni, J., Schwalb, A., Stoof-Leichsenring, K.R., Shen, W., Tian, F., Wang, J., Wang, Y., Wang, Y., Xu, H., Yang, X., Zhang, D., Herzschuh, U. *, 2022. Sedimentary ancient DNA reveals past ecosystem and biodiversity changes on the Tibetan Plateau: Overview and prospects. *Quaternary Science Reviews* 293, 107703. <https://doi.org/10.1016/j.quascirev.2022.107703>

Jia, W., Liu, X. *, Stoof-Leichsenring, K. R., Liu, S., Li, K., Herzschuh, U. *, 2021. Preservation of sedimentary plant DNA is related to lake water chemistry. *Environmental DNA* 4(2), 425–439. <https://doi.org/10.1002/edn3.259>

Jia, W., 2020. *Modern-process studies of plant DNA in lake sediments, Qinghai-Tibetan Plateau and arid northwestern China* (in Chinese with English abstract). Master thesis, Capital Normal University, Beijing, China.

Jia, W., Liu, X. *, 2019. Decadal- to centennial-scale climate changes over the last 2000 yr recorded from varved sediments of Lake Kusai, northern Qinghai-Tibetan Plateau. *Quaternary Research* 92(2), 340–351. <https://doi.org/10.1017/qua.2019.19>

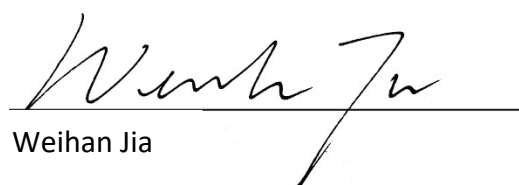
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Conference presentations

Jia, W., Cabuk, U., Stoof-Leichsenring, K. R., Alsos, I. G., Lammers, Y., Biskaborn, B. K., Herzschuh, H., 2022. Uneven preservation of ancient DNA along lake sediment cores: A case study of high-latitude and high-elevation lakes. *EGU General Assembly 2022*. <https://doi.org/10.5194/egusphere-egu21-14835>

Jia, W., Stoof-Leichsenring, K. R., Liu, S., Li, K., Huang, S., Liu, X., Ni, J., Cao, X., Pestryakova, L., Mischke, S., Herzschuh, H., 2021. Metabarcoding of modern sedimentary DNA from the Tibetan Plateau and Siberia as a training dataset for vegetation reconstructions. *EGU General Assembly 2021*. <https://doi.org/10.5194/egusphere-egu21-14835>

Potsdam, 1st January 2023



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