





QING-ZENG ZHU

EDUCATION

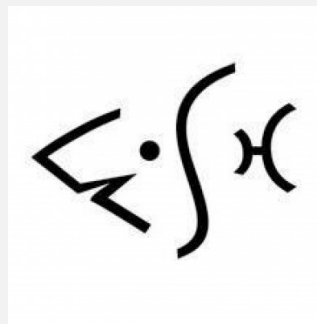
- 2020 • **MARUM, Bremen University**
Ph.D. in Organic Geochemistry  Bremen, Germany
- Thesis: Stable carbon isotopic studies of microbial lipids from distinct geochemical marine environments
- 2015 • **Chinese Academy of Sciences**
M.S. in Quaternary Geology  Beijing, China
- Thesis: Paleoclimatic changes during the past 8,000 years from annually laminated sediment in maar lake Twintaung, Myanmar
- 2012 • **China University of Geosciences**
B.S. in Applied Chemistry  Wuhan, China

RESEARCH EXPERIENCE

- 2020
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now • **Postdoc in studying the secondary production in marine sediments**
MARUM & Utrecht University  Germany & Netherlands
- Performed incubation experiment with stable isotope probing (SIP) and examine the new production of lipids and proteins.
 - With the help of RNA-SIP, we can clearly constrain the microbial community which is dominant in reshaping the OM pool in deep sediments.

PROFESSIONAL EXPERIENCE

- 2018 • **Geobiology 2018 international training courses**
Caltech  CA, United States
- field trip
 - 3-week of lab rotation at Caltech
 - lectures from worldwide scientists
 - data processing.



CONTACT INFO

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For more information, please contact me via email.

SKILLS

Lipidomics
Stable isotope probing (SIP)
Amino acid analysis
GC-MS, GC-IRMS, HPLC-MS
R language

Resume made with the R package
pagedown.

Last updated on 2020-11-07.



TEACHING EXPERIENCE

2014
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2016

- **Introduction to R Language for Beginners.**
Instructor of R and Data Mining Training Courses. 📍 Beijing, China



SELECTED PUBLICATIONS

2020

- **Drought cycles over the last 8,200 years recorded in Maar Lake Twintaung, Myanmar**

Journal of Geophysical Research: Atmospheres, 125, e2019JD032225

Chu, G., **Zhu, Q-Z.**, Sun, Q., Su, Y., Xie, M., Zaw, T., Sein, K.

This publication is based on my master thesis

2017

- **The role of the Asian winter monsoon in the rapid propagation of abrupt climate changes during the last deglaciation**

Quaternary Science Reviews, 177, pp.120-129

Chu, G., Sun, Q., **Zhu, Q-Z.**, Shan, Y., Shang, W., Ling, Y., Su, Y., Xie, M., Wang, X. and Liu, J.

2014

- **A Soil Water Extraction Method with Accelerated Solvent Extraction Technique for Stable Isotope Analysis**

Chin J Anal Chem, 42(9), 1270-1275.

Zhu, Q-Z., Sun, Q., Su, ZG, Xie, MM, Song, JY, Shan, YB, Wang, N, Chu, G-Q



HOBBIES

- **Music**
Erhu (Chinese musical instrument) and Sing
- **Sport**
Marathon (2014 Beijing, 2017 and 2018 Bremen)