

I completed my Ph.D. degree at China University of Geosciences (Wuhan) under the supervision of Prof. Long Xiao in Dec 2018. My doctoral research focused on astrobiology and involved studying hypersaline environments in the Qaidam Basin and acidic environments in the Rio Tinto. Specifically, I explored the comparison between extreme terrestrial environments and Mars, emphasizing the preserved life signatures in analogs that are crucial for assessing the potential existence of life on Mars. Following the completion of my Ph.D., I was offered a postdoctoral researcher position at the State Key Laboratory of Planetary Sciences in Macao, China, which is affiliated with the Chinese Space Administration. Collaborating with Prof. Long Xiao, I have continued my research on Mars analogs. Currently, I am working alongside Associate Prof. David C. Fernandez Remolar to search for biosignatures preserved in ancient materials such as salts and