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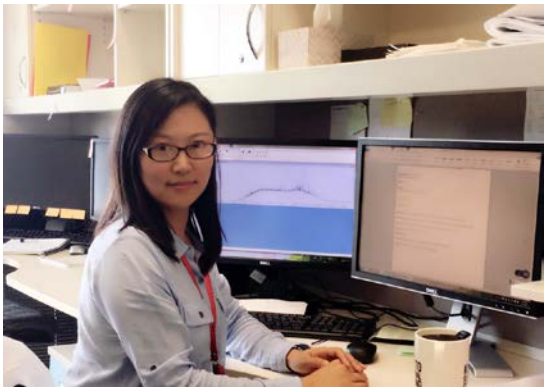

Brief Summary

I am interested in applying the recently invented compound specific sulfur isotope analysis (CSSIA) technology to petroleum exploration. To do this I am studying the subsurface chemicophysical impacts on organic sulfur compounds (OSCs) formation and alteration processes to more holistically understand the S cycle of petroleum systems.

Education:
Master degree of Environmental Sciences, Hokkaido University, Japan
Bachelor degree of Resource Exploration and Engineering, Jilin University, China

Research interests: Organic geochemistry, environmental geochemistry, biogeochemistry

Thesis title: Compound specific sulfur isotopic analysis applied to petroleum systems

Supervisors: Kliti Grice, Paul Greenwood

Publications:
[1] Pagès, A., Schmid, S., Edwards, D., Barnes, S., He, N., Grice, K. A molecular and isotopic study of palaeoenvironmental conditions through the middle Cambrian in the Georgina Basin, central Australia. Earth and Planetary Science Letters 447:21-32, 2016.

[2] Yu, B., Fu, X.W., Yin, R.S., Zhang, H., Wang, X., Lin, C.J., W, C.S., Zhang, Y.P., He, N., et al.Isotopic Composition of Atmospheric Mercury in China: New Evidence for Sources and Transformation Processes in Air and in Vegetation. Environ. Sci. Technol. 50 (17), 9262-9269, 2016.

[3] He, N., Kawamura, K., Kanaya., Y., Wang, Z.F. Diurnal variations of carbonaceous components, major ions, and stable carbon and nitrogen isotope ratios in suburban aerosols from northern vicinity of Beijing. Atmospheric Environment, 123, 18-24, 2015.

[4] He, N., Kawamura, K., Okuzawa, K., Pochanart, P., Liu, Y., Kanaya, Y., Wang, Z.F. Diurnal and temporal variations of water-soluble dicarboxylic acids and related compounds in aerosols from the northern vicinity of Beijing: Implication for photochemical aging during atmospheric transport. Science of the Total Environment, 449, 154-165, 2014.

[5] He, N. and Kawamura, K., Distributions and diurnal changes of low molecular weight organic acids and α-dicarbonyls in suburban aerosols collected at Mangshan, North China. Geochemical Journal, 44, e17-e22, 2010.

Conferences:
TIGeR Conference 2016 & 2017, 19th Australian Organic Geochemistry Conference 2016