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**Welcome PhD holders to perform PostDoc research in geochemistry**

## Education

1997-2001 Multi-Disciplinary Sciences, The University of Tokyo (Japan)

*PhD in Environmental Geochemistry (2001.3)*

1979-1983 Geology, Lanzhou University (China)

*Bsc. in Natural Science (1983.7)*

## Experiences

2016.06-now Professor of Geochemistry, Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences (CHINA)

2006.03-2016.05 Professor of Geochemistry, Key Laboratory of Gas Geochemistry, Institute of Geology and Geophysics, Chinese Academy of Sciences (CHINA)

2005.01-2006.02 Research Associate, ERC, Stevens Institute of Technology (USA)

2003.09-2005.08 JSPS Fellow, Graduated Faculty of Sciences, Hiroshima University (JAPAN)

2003.02-2003.10 Geoenvironmental Engineer, ERC/G, Cardiff University (UK)

2002.07-2003.01 Teaching Assistant, Geothermal Research Center (Beppu), Kyoto University (JAPAN)

2001.04-2002.06 Postdoctoral Fellow, Graduated Faculty of Arts and Sciences, The University of Tokyo (JAPAN)

1992.09-1994.10 Visiting Scholar and Graduated Study, Department of Geosciences, Masaryk University (CZECH)

1983.08-1996.07 Research Assistant/Associate, Lanzhou Institute of Geology, Chinese Academy of Sciences (CHINA)

## Fellowships, awards, honors and other qualifications

2006-2009 *100-Talent Program* by Chinese Academy of Sciences

2003-2004 *JSPS Grants-in-aid*

2003 *Torii Endowment* awarded by the Geochemical Society of Japan

2003 *JSPS Fellowship FY2003* awarded by Japan Society for the Promotion of Science

2002 *Chairman Prize* awarded by Japan-China Science and Technology Association

2001 *Programme Committee Endowment* awarded by ICAME2001 Committee

- 1999 Certification of Radioactive Worker, issued by The University of Tokyo, Japan
- 1997-2001 *Honors Scholarship* awarded by the International Association of Education, Japan for PhD study in The University of Tokyo, Japan
- 1992-1994 *National Scholarship for Studying Abroad* awarded by the Educational Ministry of China for visiting study in Masaryk University (Czech Republic), China
- 1992 *Silver Hammer Prize* for outstanding young geologist throughout China awarded by Chinese Association of Geology
- 1992 *Science and Technology Prize for Outstanding Young Scientist in Gansu Province* awarded by Gansu Association of Science and Technology, China
- 1990 2nd-class *Intellectual Cup* for Young People Working in Gansu Province; 1992 the 3rd "Intellectual Cup" throughout China by five ministries
- 1991 *Best Paper* awarded by the 2nd Gansu Symposium of Young Earth Scientists
- 1988 *Best Paper* awarded by the 1st Regional Symposium of Young Scientists Working in Northwest China

#### ——— Publications (selected since 2001, only first author's)

- Zheng, G.D., Xu, W., Etiope, G., Ma, X.X., Liang, S.Y., Fan, Q.H., Sajjad, W. and Li, Y. 2018: Hydrocarbon seeps in petroliferous basins in China: a first inventory. *Journal of Asia Earth Sciences* **151**, 269-284.
- Zheng, G.D., Ma, X.X., Guo, Z.F., Hilton, D.R., Xu, W., Liang, S.Y., Fan, Q.H. and Chen, W.X. 2017: Gas geochemistry and methane emission from Dushanzi mud volcanoes in the southern Junggar Basin, NW China. *Journal of Asia Earth Sciences* **149**(1), 184-190.
- Zheng, G.D., Xu, W., Fortin, D., Pan, Y.X., Liang, M.L., Wu, D.D, Yang, R., Fan, Q.H. and Zhao Y.D. 2016: Sulfur speciation of marine sediments impacted by gas emissions in the northern part of the South China Sea. *Marine and Petroleum Geology* **73**, 181-187.
- Zheng, G.D., Suzuki, K., Kuno, A., Matsuo, M., Takano, B. and Shimizu, H. 2014: Osmium geochemistry of modern estuarine sediments from the Tama and Yasaka rivers in Japan. *Applied Geochemistry* **40**(1), 82-88.
- Zheng, G.D., Xu, S., Liang, S.Y., Shi, P.L. and Zhao J. 2013: Gas emission from the Qingzhu River after the 2008 Wenchuan Earthquake, Southwest China. *Chemical Geology* **339**, 187-193.
- Zheng, G.D., Suzuki, K., Miyata, Y. and Shimizu, H. 2012: Osmium concentrations and  $^{187}\text{Os}/^{188}\text{Os}$  ratios of three sediment reference materials issued by the Geological Survey of Japan. *Geochemical Journal* **46**(2), 143-149.
- Zheng, G.D., Xu, S., Liang, M.L., Dermatas, D. and Xu, X.F. 2011: Transformations of organic carbon and its impact on lead weathering in shooting range soils. *Environmental Earth Sciences* **64**(8), 2241-2246.
- Zheng, G.D., Liang, S.Y., Lang, Y.H., Ma, X.X. and Xiang, W. 2010: Pyrite in sliding mud: A potential indicator to landslide development. *Journal of Earth Science* **21**(6), 954-960.
- Zheng, G.D., Fu, B.H., Takahashi, Y., Kuno, A., Matsuo, M. and Zhang, J.D. 2010: Chemical speciation of redox sensitive elements during hydrocarbon leaching in the Junggar Basin, Northwest China. *Journal of Asia Earth Sciences* **39**(6), 713-723.

- Zheng, G.D., Fu, B.H., Takahashi, Y., Miyahara, M., Kuno, A., Matsuo, M., Miyashita, Y. 2008: Iron speciation in fault gouge from the Ushikubi fault zone central Japan. *Hyperfine Interactions* **186**(1-3), 39-52.
- Zheng, G.D., Kuno, A., Evans, D.J., Mahdi, T.A., Miyahara, M., Takahashi, Y., Matsuo, M. and Shimizu, H. 2007: Iron speciation and mineral characterization of contaminated sediments by coal mining drainage in Neath Canal, South Wales, UK. *Geochemical Journal* **41**(6), 463-474.
- Zheng, G.D., Lang, Y.H. and Liang, S.Y. 2007: Iron oxide precipitate as an indicator to redox conditions within a landslide slip zone. *Water-Rock Interactions*. Taylor & France Group, London, ISBN 978-0-415-45136-9, pp 995-998.
- Zheng, G.D., Lang, Y.H., Miyahara, M., Nozak, T. and Haruaki, T. 2006: Iron oxide precipitate in seepage of groundwater from a landslide slip zone. *Environmental Geology* **51**(8), 1455-1464.
- Zheng, G.D., Suzuki, K., Takahashi, Y., Shimizu, H., Kuno, A. and Matsuo M. 2006: Identification of pyrite using  $^{57}\text{Fe}$  Mössbauer spectroscopy combined with a series of acidic treatment in core sediments from Erhai Lake, SW China. *Journal of Radioanalytical and Nuclear Chemistry* **269**(1), 43-50.
- Zheng, G.D., Fu, B.H., Duan, Y., Wang, Q., Matsuo, M. and Takano, B. 2004: Iron speciation related to colors of Jurassic sedimentary rocks in Turpan Basin, Northwestern China. *Journal of Radioanalytical and Nuclear Chemistry* **261**(2), 421-427.
- Zheng, G.D., Xu, S., Lang Y.H. and Ma, S.M. 2004: A unique alkaline-reducing condition within slip zones related to landslide progressing. In: Lacerda et al., (eds) *Landslide: Evaluation and Stabilization*. Taylor & Francis Group, London, pp743-737.
- Zheng, G.D., Duan, Y., Takano, B., Luo, B.J., Cheng, K.M. and Zhang, Y.J. 2003: Pyrolysis studies on the conversion of vitrinite reflectance and the primary productivity of various non-marine source rocks in China. *Journal of Asian Earth Sciences* **22**(4), 353-361.
- Zheng, G.D., Lang, Y.H., Matsuo, M., Takano, B., Kuno, A. and Tsushima, H. 2002: Mössbauer spectroscopic characterizations of iron species in sliding mud. *Hyperfine Interactions* **141/142**(1-4), 361-367.
- Zheng, G.D., Lang, Y.H., Takano, B., Matsuo, M., Kuno, A. and Tsushima, H. 2002: Iron speciation of sliding mud in Toyama Prefecture, Japan. *Journal of Asian Earth Sciences* **20**(8), 955-963.
- Zheng, G.D., Xu, S., Lang Y.H. and Meng, Z.F. 2002: Variation of iron species in sliding mud. *Chinese Science Bulletin* **47**(23), 2018-2024.
- Zheng, G.D., Takano, B., Matsuo, M. and Tanaka, Y. 2002: Compaction of modern soft sediments during core sampling-an investigation in situ at an estuary site. *Environmental Geosciences* **9**(3), 109-114.
- Zheng, G.D., Takano, B. and Chen, H.L. 2002: Fission track ages of Mahanshan metamorphic rock group in Gansu Province, Northwest China. *Journal of Radioanalytical and Nuclear Chemistry* **251**(3), 375-380.

Zheng, G.D., Takano, B., Kuno, A. and Matsuo, M. 2001: Iron speciation in modern sediment from Erhai Lake, southwestern China--Redox conditions in an ancient environment. *Applied Geochemistry* **16**(9-10), 1201-1213.