

Tianlong Deng, Ph.D.

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I. Education and Experience

Tianlong Deng was a full professor since 2001. He obtained his BSc, MSc. and Ph.D. from Chengdu University of Technology in 1990, 1993 and 1999. He worked as a postdoctoral fellow at the Laurentian University of Canada in 2002. He is the dean of the College of Marine and Environmental Sciences at Tianjin University of Science and Technology. He obtained academic awards and honors of a Specially-appointed Professor of Tianjin Government in 2009, the Discipline Leading Talent of Tianjin Universities in 2012, A prestigious membership of “A Hundred Talents Plan” of the Chinese Academy of Sciences in 2005, and so

on. His research interests are phase equilibria and phase diagrams of salt-water systems, comprehensive utilization of salt lake resources, and experimental geochemistry. He received financial supports from the State Key Program of NNSFC (Grant 20836009), the NNSFC (Grants 21773170, U1407113, 21276194, 40773045, 40573044, and 40103009), and so on. He is the guest editor of two international journals and the academic editor of one international journal. He had published more than 250 peer-reviewed papers in international journals and served as a reviewer of 10 journals.

II. Five Representative Publications

1. Tianlong Deng, Huan Zhou, Xia Chen. **Salt-water System Phase Diagram and Application**, Beijing: Chinese Chemical Industry Press, 2020, pp.326.
2. Mianping Zheng, Tianlong Deng and Aharon Oren, **Introduction to Salt Lake Sciences**, Beijing: Science Press, 2018, pp.210 (English version) and pp. 179 (Chinese versions).
3. Tianlong Deng, Shiqiang Wang and Yafei Guo, **Metastable phase equilibria and phase diagrams of Salt Lake Brine Systems in the Qaidam Basin**, Beijing: Science Press, 2017, pp.300.
4. Kaiyu Zhao, Bojia Tong, Xiaoping Yu, Yafei Guo, Yingchun Xie, Tianlong Deng, Synthesis of porous fiber-supported lithium ion-sieve adsorbent for lithium recovery from geothermal water, **Chemical Engineering Journal**, 430 (2022) 131423.
5. Can Liu, Xiaoping Yu, Chi Ma, Yafei Guo, Tianlong Deng, Selective recovery of strontium from oilfield water by ion-imprinted alginate microspheres modified with thioglycollic acid, **Chemical Engineering Journal**, 410 (2022) 128267.

III. Candidate Statement

I participated in the 6th ISSLR in 1994, when I was a “young boy.” Since 1994, I have been working in chemistry and chemical engineering on phase equilibria of salt lake brine systems and the comprehensive utilization of salt lake resources. My journal editor experience is as follows: I was the sole guest editor of the special issue published in Pure and Applied Chemistry (2019, volume 92, issue 6). In addition, a special issue was published in the Journal of Oceanology and Limnology (2018, Volume 36, Issue 6) as co-guest editors by Aharon Oren, Tianlong Deng, Nikolai Shadri, Mianping Zheng and Egor Zadereev. A special issue was published in the Journal of Salt Science and Chemical Industry(2017, volume 46, issue 6) as a sole guest editor.

I am ready to serve our ISSLR members in the future. I will strengthen the interaction with members of our ISSLR society and look forward to accelerating the development of ISSLR around the world.