

Yu Xiaoni

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EDUCATION

- Eg. PhD, Materials Science and Engineering, Southeast University, China (2012.09-2016.06)
- MEng, Inorganic Chemistry, Nanchang University, Nanchang, China (2009.09-2012.06)
- BEng, Journal of Chemical Education, Anhui Normal University, China (2005.10-2009.08)

WORKING EXPERIENCES

- Eg Research Fellow, Nanyang Technological University, Singapore (July 19 - now)
- Lecturer, College of Architecture and Civil Engineering, Wenzhou University, China (June 16 – July 19)

SELECTED PUBLICATIONS, IF ANY

- 1) **Xiaoni Yu**, Chunxiang Qian, Bin Xue, Xin Wang. The influence of standing time and content of the slurry on bio-sandstone cemented by biological phosphates, *Construction and Building Materials*, 2015, 82: 167-172.
- 2) **Xiaoni Yu**, Chunxiang Qian, Bin Xue. Loose sand particles cemented by different bio-phosphate and carbonate composite cement, *Construction and Building Materials*, 2016, 113: 571-578.
- 3) **Xiaoni Yu***, Chunxiang Qian, Linzhu Sun, The influence of the number of injections of bio-composite cement on the properties of bio-sandstone cemented by bio-composite cement, *Construction and Building Materials*, 2018, 164: 682-687.
- 4) Chunxiang Qian, **Xiaoni Yu***, Xin Wang, A study on the cementation interface of bio-cement, *Materials Characterization*, 2018, 136: 122-127.
- 5) Chuang Yu, Raoping Liao, Xiaoqing Cai, **Xiaoni Yu***, Sodium polyacrylate modified method to improve permeant performance of bentonite in chemical resistance, *Journal of Cleaner Production*, 2019, 213: 242-250.
- 6) **YU XiaoNiu**, QIAN ChunXiang, WANG Xin, Cementing mechanism of bio-phosphate cement, *SCIENCE CHINA Technological Sciences*, 2015, 58(6): 1112-1117.

- 7) **Xiaoniu Yu**, Chunxiang Qian, Xin Wang. Biosynthesis of magnesium phosphates and its thermal property, *Science of Advanced Materials*, 2015, 7(9): 1730-1733.
- 8) **Xiaoniu Yu**, Jianguo Jiang, Mineralization and cementing properties of bio-carbonate cement, bio-phosphate cement, and bio-carbonate/phosphate cement: a review, *Environmental Science and Pollution Research*, 2018, 25(22): 21483-21497.
- 9) **Xiaoniu Yu**, Chunxiang Qian, Jianguo Jiang, The influence of curing time on properties of the sand columns cemented by bio-barium phosphate, *Construction and Building Materials*, 2018, 188, 255-261.
- 10) **Xiaoniu Yu**, Chunxiang Qian, Jianguo Jiang, Desert sand cemented by bio-magnesium ammonium phosphate cement and its microscopic properties, *Construction and Building Materials*, 2019, 200: 116-123.
- 11) **Xiaoniu Yu**, Jianguo Jiang, Phosphate microbial mineralization removes nickel ions from electroplating wastewater, *Journal of Environmental Management*, 2019, 245: 447-453.
- 12) **Xiaoniu Yu***, Yan Gao. Biocomposite Cement-Based Mortar. Chapter in *Sustainable Construction and Building Materials*, Book edited by: Sayed Hemed, InTechOpen press, 2018, ISBN 978-953-51-7877-4.
- 13) **Xiaoniu Yu**, Qiwei Zhan. Phosphate-Mineralization Microbe Repairs Heavy Metal Ions That Formed Nanomaterials in Soil and Water. Chapter in *Nanomaterials-Toxicity, Human Health and Environment*, Book edited by: Simona Clichici, InTechOpen press, 2019, ISBN 978-1-78984-617-1.

HONORS, PRIZES, AWARDS, IF ANY

The winners of Outstanding Doctoral Thesis- Southeast University 2017

First Prize of Technical Inventions of China Building Materials Federation 2018 (Ranking 10/12)