

17:40-19:00 Tuesday Oct. 30 2018

Poster Session

1. Risk Assessment for Planning the Nuclear Power Plants Construction in the Areas of Karst Development

E. Stanis (Russia), K. Shunenкова, A. Anikeev*

2. Sustainability in life cycle analysis of nanomaterials applied in soil remediation

Visentin Caroline (Brazil), Thomé Antônio*

3. Laboratory tests of the influence of clogging on the hydraulic properties of nonwoven geotextiles

Anna Miskowska (Poland), Eugeniusz Koda, Anna Sieczka, Piotr Osiński*

4. Study on Influence of Geological Heterogeneity on Migration of LNAPL in Contaminated Site through Numerical Analysis

Jinpeng Zhang, Zhibin Liu (China), Songyu Liu, Qibing Wei, Yi Wang, Liangliang Lu*

5. Accelerated carbonation technology of reactive MgO-stabilized soil for possible CO₂ sequestration

Guanghua Cai (China), Songyu Liu, Guanghui Shao, Guangyin Du, Liang Wang*

6. Relationship between Arsenic Phases and Leaching in Excavated Mudstone after Removal of Leachable Fraction

Shoji Suzuki (Japan), Masahiko Katoh*

7. Numerical parametric study of multiple pollutants transport through compacted clay liner

Shi Shu (China), Wei Zhu, Haoqing Xu, Xihui. Fan, Shengwei Wang*

8. Concentrations of the naturally-derived toxic elements and its geochemical characteristics of the alluvial marine clay layer of Osaka Plain, Japan

Hiroko Ito (Japan), Harue Masuda, Akihiko Oshima*

9. Geotechnical characterisation of submarine sediments from a polluted site

Sollecito Francesca (Italy), Cotecchia Federica, Vitone Claudia*

10. Experiment on monitoring leakage of landfill leachate through electrical resistivity tomography

Ping Yang, Yao-hui Liu (China), Si-hao Zhang, Shou-bao Xue*

11. Estimation of Strength Parameters of Solid Waste Materials by Corn Penetration and Spiral Pile Pull Out Tests

Shimon Ideguchi, Kiyoshi Omine (Japan), Satoshi Sugimoto*

12. Effect of powder particle size on the WRC of GMZ bentonite

Bao Chen, Yiyi Huang (China), Kang Zhang, Chilong Li*

**13. A method for evaluating corrosion of contaminated soil—
electrochemical impedance spectroscopy (EIS) method**

Bin He, Yong Wang, Ruizhen Xie, Pengju Han, Xiaohong Bai (China)*

**14. Arsenic Removal from Contaminated Soil by Phytoremediation
Combined with Chemical Immobilization**

Saki Arita, Masahiko Katoh (Japan)*

**15. Effect of freeze-thaw cycling concurrent with MSW landfill leachate
on the hydraulic conductivity of geosynthetic clay liner**

Bao Wang (China), Bin Chen, Tongtong Dou, Lou Wang*

**16. Experimental investigation of Volume Change and Hydraulic
Conductivity on Geosynthetic Clay Liner**

Guangwei Zhang (China), Huyuan Zhang, Jinwen Liu, Lang Zhou, Ming Yan, Jinfang Wang

**17. Dynamic optical fiber monitoring of water-saturated sandstone
during supercritical CO₂ injection at different sequestration
pressures**

Chengkai Fan, Qi Li (China), Xiaying Li, Zhiyong Niu, Liang Xu*

**18. The effects of probe diameter and penetration speed on the
miniature penetrometer tests**

Wei Bai (China), Ling Wei Kong, Rong Bing Lin*

**19. Diversity of Bacterial Structure Community in the Compacted
Sewage Sludge as a Barrier for Tailings**

Qing Zhang (China), Huyuan Zhang, Jinfang Wang

**20. Mapping of Risk Areas in Communities of João Pessoa, Paraíba,
Brazil**

Camila de Andrade Oliveira (Brazil), Hanna Barreto de Araújo Falcão, Fabio Lopes Soares*

**21. Diffusion characteristics of lead, zinc, cadmium in a novel
phosphate-based binder stabilized soil**

Ya-Song Feng, Yan-Jun Du (China), Wei-Yi Xia, Wei-Wei Ren*

22. Stabilization of smelter industry contaminated soil using a sustainable steel-slag-based binder

Ya-Song Feng, Yan-Jun Du (China), Shi-Ji Zhou, Wei-Yi Xia*