

DISSEMINATION ACTIVITIES

Comments

Dissemination activities were mainly intended to present the first results to a technical audience in both national and international level. First results of the project have been presented at the following events.

- 1) One day technical seminar “Tecnologie ambientali innovative: rassegna ed esempi applicativi concreti”, <http://my.liuc.it/notizie/notizia.asp?ID1=1066>, at University LIUC (Castellanza, Varese, Italy) 28th April 2016, (100 attendees). Presenter: R. Canziani, Title: “Disidratazione elettro-osmotica dei fanghi”.
- 2) SMT30 – The 30th International Conference on Surface Modification Technologies, Politecnico di Milano, Campus Bovisa, 29th June – 1st July 2016. (200 attendees). www.smt30.org, Presenter: P. Gronchi, Title: “Evaluation of electrode surface treatments in sludge electro-osmosis dewatering”.
- 3) One-day technical seminar “Recupero di risorse negli impianti di depurazione”, Milan, South Milan Wastewater Treatment Plant, September 13th (140 attendees), presenter: R. Canziani, title: “Elettrosmosi: una innovazione nella disidratazione dei fanghi”.
- 4) ASSM2016 5th International Conference on Advanced Sustainable Sewage Sludge Management, Cracow (Poland), <http://www.assm2016.pl/>, 18-21th September 2016 (130 attendees) – Presenter: R. Canziani, Title: “Electro-osmotic dewatering of anaerobically and aerobically stabilised sludge”, Paper submitted to the journal "Environmental Research".
- 5) Filtech 2016, Köln (Germany), 11-13th October 2016, www.filtech.de, presenter: R. Canziani, title: “Electro-osmotic dewatering of sewage sludge: preliminary results” Full oral presentation in session L14 - Filtration Enhancement by Electric and Magnetic Fields, 13 October 2016, 09:00 - 10:15 a.m. Room 1B - Session Chair: Prof. Sandra Mara Santana Rocha.
- 6) Sludgetech 2017, London (UK), 9-13th July 2017, <https://www.sludgetech.com/>, presenter: S. Visigalli, title: “Influence of sludge characteristics on pressure-driven electro-dewatering of stabilized sewage sludge” full oral and poster presentation.
- 7) SMICE 2018, Rome (Italy), 23-25th May 2018, <https://smice2018.com/>, presenter: H. Zhang, title: “Pressure-driven electro-dewatering applied for sludge: economic & environmental life cycle assessment” full oral presentation
- 8) P. Gronchi, R. Canziani, A. Brenna, S. Visigalli, C. Colominas, F. Montalà, V. Cot, A. Stradi, G. Ferrari, C. Diaz, G. Garcia Fuentes & A. Georgiadis. Electrode surface treatments in sludge electro-osmosis dewatering, *Materials and Manufacturing Processes*, 32(11), 1265-1273 (2017). <http://dx.doi.org/10.1080/10426914.2017.1279313>
- 9) S. Visigalli, A. Turolla, P. Gronchi, R. Canziani. Performance of electro-osmotic dewatering on different types of sewage sludge, *Environmental Research*, 157, 30-36 (2017). <https://doi.org/10.1016/j.envres.2017.05.015>

- 10) S. Visigalli, A. Turolla, H. Zhang, P. Gronchi, R. Canziani. Assessment of pressure-driven electro-dewatering as a single-stage treatment for stabilized sewage sludge, *Journal of Environmental Chemical Engineering*, 5(6), 6122-6131 (2017).
<https://doi.org/10.1016/j.jece.2017.11.034>
- 11) S. Visigalli, A. Turolla, H. Zhang, P. Gronchi, R. Canziani. La disidratazione elettro-assistita dei fanghi: influenza del dosaggio di polielettrolita e dei parametri operativi, *Ingegneria dell'Ambiente*, 5(1), 18-30 (2018)