Bąkowski Jacek Grzegorz
D. Sc., Eng.

Contact

Warsaw University of Life Sciences - SGGW
Faculty of Civil and Environmental Engineering
Laboratory Water Center
ul. Ciszewskiego 6
02-776 Warsaw

Tel: 48 22 59 35 416
E-mail: jacek_bakowski@sggw.pl

Education

- M.Sc., Eng., SGGW in Warsaw, Faculty of Land Reclamation, land reclamation, 1988.
- D.Sc. , SGGW in Warsaw, Faculty of Engineering and Environmental Sciences, environmental development , 2003.

Fields of Research

- laboratory tests of mechanic properties of soils
- safety analysis in civil and environmental engineering
- soft soils – laboratory test of properties, foundations design, safety analysis

List of Publications

1. Sas W., Głuchowski A., **Bąkowski J.,** Szymański A. (2013): Estimation of coefficient of elastic uniform compression (C_u) from cCBR test for cyclic loaded footing. Scientific Review - Engineering and Environmental Sciences, 2013, 2(60): 137-146. (in Polish).
2. Lechowicz Z., **Bąkowski J.** (2012): Laboratory testing of friction between elements of slope sealing of Nielisz dam. 16th Polish Conference on Soil Mechanics and Geotechnical Engineering. Inżynieria Morska i Geotechnika 4/2012, str. 500-503. (in Polish).
3. Król P., **Bąkowski J.** (2012): Changes of the parameters of the clayey-cement barrier in the embankment during the hardening process. 16th Polish Conference on Soil Mechanics and Geotechnical Engineering. Inżynieria Morska i Geotechnika 4/2012, str. 348-352. (in Polish).
4. Fronczyk J., **Bąkowski J.,** Garbulewski K. (2010): Shear strength characteristics of zeolite and zeolite-sand mixtures in permeable reactive barriers. Scientific Review - Engineering and Environmental Sciences, 1(47): 3-12. (in Polish)
5. **Bąkowski J.,** Lechowicz Z., Lewicka A. (2008): Numerical analysis of the anchored diaphragm wall in overconsolidated cohesive soils. Scientific Review - Engineering and Environmental Sciences, 4(42): 110-121. (in Polish)
6. **Bąkowski J.,** Król P., Lechowicz Z. (2007): Laboratory tests of mechanical properties of clayed gravely-cobble soils from Walbrzych' special economical zone In: Soil materials in

civil and water engineering – Monograph issued on the occasion of jubilee of Prof. Stanisław Pisarczyk. Proc. of Warsaw University of Technology – Environmental Engineering, 54: 27-36. (in Polish)

7. Król P., **Bąkowski J.,** Szczypior J. (2007): Laboratory tests of the properties of materials used to performing bentonite barriers. Inżynieria i Budownictwo, 7-8/2007: 424-426. (in Polish).
8. **Bąkowski J.,** Garbulewski K. (2006): New trends in stability analysis of the embankments on the weak soils. In: Geotechnics in hydrotechnical and civil engineering – monograph issued on the occasion of jubilee of Prof. Wojciech Wolski, s. 300-313. (in Polish)
9. **Bąkowski J.,** Lechowicz. (2004): Stability analysis of staged embankment on organic subsoil using the load path method. Annals of Warsaw Agricultural University. Land Reclamation No. 35: 79-88.
10. Lechowicz Z., **Bąkowski J.,** (2001): Stability evaluation of staged embankment on organic subsoil using elasto-plastic FE analysis. Annals of Warsaw Agricultural University, Land Reclamation No. 32: 57-67.
11. Król P., **Bąkowski J.,** (2000): Evaluation of bearing capacity of cracked rocky subsoil based on complex analysis of geophysical and laboratory shear tests. Annals of Warsaw Agricultural University, Land Reclamation No. 30: 79-84.
12. Lechowicz Z., **Bąkowski J.,** (2000): Stability evaluation of staged embankment on organic subsoil. XII Polish National Conference on Soil Mechanics and Foundation Engineering, Szczecin, cz. 1b: 17-26.
13. Lechowicz Z., **Bąkowski J.,** (1999): Evaluation of the strength conditions in the subsoil of the Mielimąka dam. Part I: Analysis of consolidation reinforcement. Proc. of VIII Dam Monitoring Conference, Zakopane-Kościelisko: 221-227.
14. **Bąkowski J.,** (1998): Shear strength tests on cohesive, heavily overconsolidated soils. Proceedings of I Geotechnical Conference: Interaction of the structure with the subsoil, Białystok-Wigry: 223-228 (in Polish).
15. Lechowicz Z., **Bąkowski J.,** Rabarijoely S., (1998): Analysis and performance of an embankment on organic soil. Proc. of the XI Danube European Conference on Soil Mechanics and Foundation Engineering, Poreč, Croatia, Balkema: 223-226.
16. Lechowicz Z., **Bąkowski J.,** (1997): Staged construction with preloading of embankment on soft soil. Annals of AU of Poznań, vol. CCXCIV – Land Reclamation and Environmental Engineering No.19, part 2: 105-113.
17. **Bąkowski J.,** Garbulewski K., (1992): Hyperbolic model for geotextile – organic soil interface behaviour. Archives of Hydrotechnics, vol. XXXIX, No.2: 53-68.