

Summary

Composts made of municipal solid waste could be widely used in reclamation of soil-less mechanically transformed grounds. Even though its usefulness, bearing in mind its origin, it is necessary to consider the compost composition in order to avoid posing a threat to environment due to the possible emission of toxic substances which could be present in compost. Especially, organic waste should be monitored, because being present in composts it might be leached and pose a risk to groundwater and plants. In this work the leaching tests were carried out to state the solubility of polycyclic aromatic hydrocarbons in water. The both tests results show low solubility of PAHs, max. 10.4% in lysimetric test and 3.9% in one-step leaching test.