

Application of Fluidized Bed Combustion Technology for Utilization of Post-rolling Oily Wastes –
Sławomir Leszczyński

Summary

The article presents the investigations of fluidized combustion of oily wastes derived from cold rolling-mill process on a zeolite bed. Oily wastes generated in the rolling-mill process are one of the most hazardous residues from metallurgical works because of the toxic additives content. The experiments were carried out using a small laboratory combustor with full measurement equipment. The measurement apparatus associated with the combustion chamber made it possible to measure the basic parameters of the process including the composition of exhaust gases. It has been shown that the combustion of oily wastes from cold rolling-mill process can be conducted efficiently and friendly for the environment.