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# RECYCLING

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## Direct landfill disposal versus Mechanical-Biological Treatment (MBT)

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After the implementation of a new waste management system, in which recycling is the most dominating process, landfill disposal still appears to be the most popular method of waste management in Poland. In which waste undergoes gradual decomposition and the influence of climate conditions, for example, air and atmospheric fallout, leads to the production of leachate and biogas emissions, which further contribute to continual threats to the natural environment and humans. The above-mentioned threats can be limited by applying suitable techniques of waste treatment before its disposal. A technology that is oriented to these aims is a mechanical and reduction of pollutant emissions. Additionally, it allows to increase the recovery of materials for recycling and to reduce the mass of waste (it is environmentally friendly). Finally, I will be describing differences (advantages disadvantages) between direct disposal versus mechanical- biological treatment.

### Biography

Katarzyna Kulhawik has graduated with a 5 years Master's degree in the field of Environmental Protection in Poland. Her interest lies in Environmental Protection and has started Postgraduate Extramural Studies (Doctoral) for the same. Her specialty is Environmental Protection including Waste Management. The topic of her research is the functioning of recycling and the system of waste management based on the example of the district of Głogów. Besides scientific activity, she trains workers in the field of Waste Management.

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