Special Issue

Waste Heat Recovery in Sewage Systems, Sewage Installations and Agriculture

Message from the Guest Editors

The dynamic economic development of the world is accompanied by a clear increase in energy demand. An important part of this demand is energy used in housing industry and agriculture, especially for hot water production. The current development of technology allows for the operation of waste heat recovery processes from graywater at all stages of their generation, transport, and reprocessing. It is obvious that heat recovered from greywater will not solve the problem of global energy shortages. However, this may be a factor that improves the energy efficiency of both the housing industry and processes related to plant production and animal breeding. The use of waste heat leads to a reduction in the consumption of energy produced from fossil fuels, and thus to reducing greenhouse gas emissions and environmental degradation. In addition, in many cases, the use of heat recovery systems is financially beneficial for investors.

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