

Institute of Chemical Engineering

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Feasible prospect of methane removal from ventilation air of coal mine with energy recovery

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Abstract: The problems related to the utilization of low-concentration methane emitted with the ventilation air from coal mines into the atmosphere are discussed. A short review of the methods of such utilization proposed in the literature was made, with particular emphasis on the aspects of industrial implementation on large-scale facilities. The work includes the experimental and simulation experiences of ICE PAS in the thermal combustion of methane in a flow reversal reactor.

Attachments:

[Zeszyt-25-2021](#) pdf, 6.38 MB

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