## Simulation of Optimal Air Distribution in Tunnel Aeration Tank

## N. S. Popov, V. A. Luzgachev, O. V. Peshcherova, Tran Minh Chinh

Tambov State Technical University, Tambov

**Keywords:** environmental safety; energy conservation; aeration tank and settling tank; modeling; bio-purification process.

**Abstract:** The paper proposes the formulation of the problem and options for optimizing electric power consumption of the air blower house. We discuss the idea of conversion of municipal wastewater treatment plants into cost-effective enterprises for the production of secondary resources.