## **Accepted Manuscript**

The mathematical model of the conversion of a landfill operation from anaerobic to aerobic

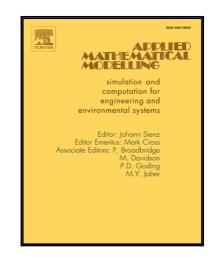
Hecham Omar, Sohrab Rohani

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#### ACCEPTED MANUSCRIPT

### Highlights

- A model representing conversion of anaerobic to aerobic landfill is represented
- Temperature is dominant factor controlling aerobic bacteria growth
- Varying leachate flow more effective than varying air flow in temperature control
- At high aerobic biomass concentrations, large heat production, high temperature

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