

Lista de lucrări

1. Mihály, N. B., Luca, A. V., Simon-Várhelyi, M., & Cristea, V. M. (2023). Improvement of air flowrate distribution in the nitrification reactor of the waste water treatment plant by effluent quality, energy and greenhouse gas emissions optimization via artificial neural networks models. *Journal of Water Process Engineering*, 54. <https://doi.org/10.1016/j.jwpe.2023.103935>
2. Mihály, N. B., Simon-Várhelyi, M., & Cristea, V. M. (2022). Data-driven modelling based on artificial neural networks for predicting energy and effluent quality indices and wastewater treatment plant optimization. *Optimization and Engineering*, 23, 2235–2259. <https://doi.org/10.1007/s11081-022-09724-5>
3. Luca, A. V., Simon-Várhelyi, M., Mihály, N. B., & Cristea, V. M. (2021). Data driven detection of different dissolved oxygen sensor faults for improving operation of the WWTP control system. *Processes*, 9(9). <https://doi.org/10.3390/pr9091633>
4. Luca, A. V., Simon-Várhelyi, M., Mihály, N. B., & Cristea, V. M. (2023). Fault Type Diagnosis of the WWTP Dissolved Oxygen Sensor Based on Fisher Discriminant Analysis and Assessment of Associated Environmental and Economic Impact. *Applied Sciences* (Switzerland), 13(4). <https://doi.org/10.3390/app13042554>
5. Mihály, N.-B., Luca, A.-V., & Cristea, V. M. (2023). Artificial neural networks-based identification of the WWTP DO sensor types of faults (pp. 1879–1884). <https://doi.org/10.1016/B978-0-443-15274-0.50298-5>
6. Mihály, N.-B., & Cristea, V. M. (2022). Optimization of the Wastewater Treatment Plant Aeration Using Artificial Neural Networks Models (pp. 1375–1380). <https://doi.org/10.1016/B978-0-323-95879-0.50230-7>
7. Mihaly, N.-B., Simon-Varhelyi, M., Luca, A.-V., & Cristea, V.-M. (2022). Optimization of the Wastewater Treatment Plant Recycle Flowrates Using Artificial Neural Networks. *2022 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, 1–6. <https://doi.org/10.1109/AQTR55203.2022.9801979>

Candidat

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