

In this issue

Research Article

[Open Access](#) [Research Article](#) PTZAID:ALO-8-113

[High-frequency modeling of dissolved oxygen and net ecosystem metabolism using STELLA](#)

Published On: January 11, 2023 | Pages: 001 - 008

Author(s): Miraç Eryiit*, Fatih Evrendilek and Nusret Karakaya

This paper proposes a high-frequency process model for estimating Dissolved Oxygen (DO) and net ecosystem metabolism (NEM) in streams. The model was implemented by using STELLA to predict DO concentrations at one-minute intervals downstream of a 150-m headwater reach of the Abant Creek (Bolu, Turkey). NEM was also predicted at each interval by using a two-station meth ...

[Abstract View](#)

[Full Article View](#)

DOI: [10.17352/alo.000013](https://doi.org/10.17352/alo.000013)