פסטיבל המחקר השנתי הראשון

בנושא

אנרגיה וקיימות

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Office of the Vice President and Dean
for Research and Development
Ben-Gurion University of the Negev

Center for Energy & Sustainability
Ben-Gurion University of the Negev

Nitrate's control on methane emissions from Lake Kinneret sediments

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- **Methane (CH_4)** is the 2nd most important **greenhouse gas** after CO_2 and is 25 times more efficient than CO_2 in heat-trapping.
- Therefore, monitoring methane emissions and studying the **natural controls** on its consumption in sediments, are important for better understanding of methane cycles.
- This study was conducted to evaluate the potential role of **nitrate as a sole electron acceptor for AOM** (Anaerobic Oxidation of Methane) in a controlled sediment-water mesocosm.

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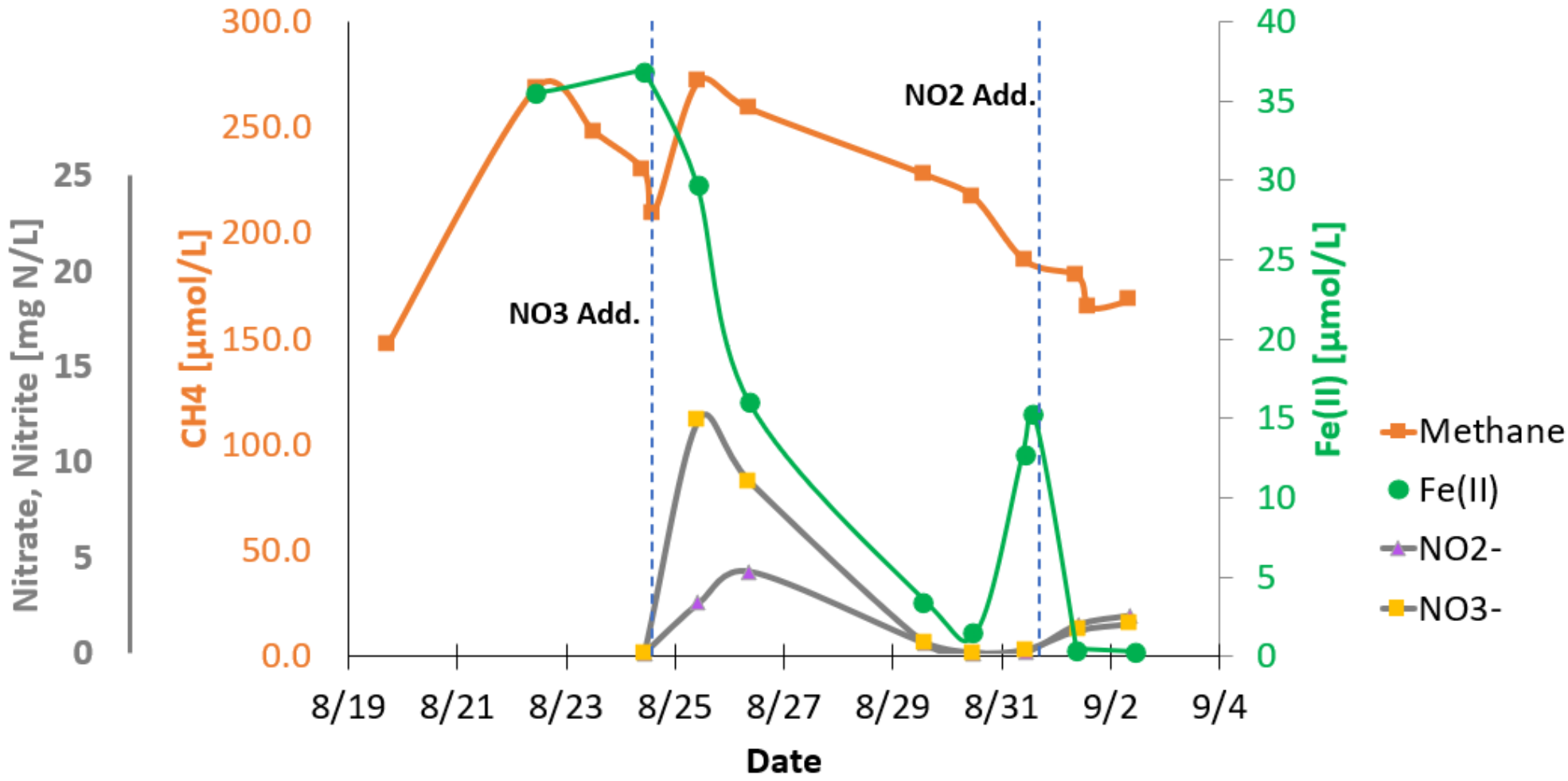
Concentrations in Top Water



Thank You