

Accepted Manuscript

Title: Real-time advanced spectroscopic monitoring of Ammonia concentration in water

Authors: Naftaly Goldshleger, Aharon Grinberg, Sheenan Harpaz, Alexander Shulzinger, Amir Abramovich



PII: S0144-8609(17)30266-2
DOI: <https://doi.org/10.1016/j.aquaeng.2018.10.002>
Reference: AQUE 1961

To appear in: *Aquacultural Engineering*

Received date: 17-12-2017
Revised date: 2-8-2018
Accepted date: 1-10-2018

Please cite this article as: Goldshleger N, Grinberg A, Harpaz S, Shulzinger A, Abramovich A, Real-time advanced spectroscopic monitoring of Ammonia concentration in water, *Aquacultural Engineering* (2018), <https://doi.org/10.1016/j.aquaeng.2018.10.002>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Real-time advanced spectroscopic monitoring of Ammonia concentration in water

Naftaly Goldshleger², Aharon Grinberg^{1,3}, Sheenan Harpaz³, Alexander Shulzinger¹, Amir Abramovich¹

1. Department of Electrical and Electronic Engineering, Ariel University, Ariel, Israel.
2. Department of Civil Engineering, Ariel University, Ariel, Israel.
3. Agricultural Research Organization, Volcani Center, Israel

Highlights:

- A new direct method for real-time monitoring of Ammonia concentration in fish ponds was developed.
- The method is based on direct measurements rather than indirect measurements used nowadays.
- The accuracy and reliability of the suggested method are significantly better.
- Proof of concept of the new method is demonstrated in this study

Download English Version:

<https://daneshyari.com/en/article/11263916>

Download Persian Version:

<https://daneshyari.com/article/11263916>

[Daneshyari.com](https://daneshyari.com)