Accepted Manuscript

The effect of automated taxa identification errors on biological indices

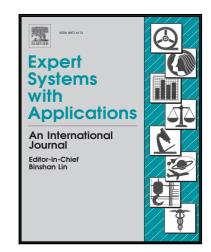
Johanna Ärje, Salme Kärkkäinen, Kristian Meissner, Alexandros Iosifidis, Türker Ince, Moncef Gabbouj, Serkan Kiranyaz

PII: S0957-4174(16)30689-3 DOI: 10.1016/j.eswa.2016.12.015

Reference: ESWA 11024

To appear in: Expert Systems With Applications

Received date: 20 May 2016
Revised date: 8 December 2016
Accepted date: 9 December 2016



Please cite this article as: Johanna Ärje, Salme Kärkkäinen, Kristian Meissner, Alexandros Iosifidis, Türker Ince, Moncef Gabbouj, Serkan Kiranyaz, The effect of automated taxa identification errors on biological indices, *Expert Systems With Applications* (2016), doi: 10.1016/j.eswa.2016.12.015

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.

ACCEPTED MANUSCRIPT

Highlights

- We study the effects of classification errors from 11 different classifiers on 14 biological indices.
- We assess the reasons why certain indices are more sensitive to classification errors.

• We compare the classifiers based on their ultimate use in the biomonitoring of macroinvertebrates.

Download English Version:

https://daneshyari.com/en/article/4943418

Download Persian Version:

https://daneshyari.com/article/4943418

Daneshyari.com