**Contact Information**

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**Manuscript Information (if applicable)**

Title: Real-time CO2 uptake/emission measurements as a tool for early indication of toxicity in Lemna-tests

Journal: submitted to Aquatic Toxicology

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**Species Identification Information**

Name Of Species: *Lemna minor* L.

Morphological Classification (if applicable): by professor Jasenka Topić, Faculty of Science, University of Zagreb <https://www.bib.irb.hr/pretraga/?q=Topi%C4%87%2C+Jasenka+%2850255%29&by=author>

Molecular Classification:

atpF-atpH barcode:

psbK-psbI barcode:

AFLP-Lemna Genotype:

AFLP-Wolffia Genotype:

Other Sequence:

**matK**

TTATTACGATTGATTTTTCACGACTATCACAATGGGAGTAATAGCATTCCTCCAAATAAATCTAGTTTTGGTTTTTCAAAAGATAATCCAAGACTCTATAGGTTCCTATATAATTCTTATGTAGTCGAATGCGAATCCATATTTGATTTTCTTCGTAAATCATCCTCTTATTTACGATCAACATCTTTTGGACCCCTTCTTGAGCGAACACACTTCTATGGAAAAATGAAACATATTGGAGTAACTTGTTGTAATGATTTTCAGAAAACCCTATGGTTGTTCAAGGATCCTTTCATGCATTATGTTAGGTATCAAGGAAAATGCATTATGGCTTCAAAAGGGACTCATCTTCTGATGAAGAAATGGAAATCTTACTTTGTGAATTTATGGCAATGTCATTTTCACTTTTGGTCTCAACCCAGTAGGATACACATAAACCAATTCCCCCATTTTTCTTTCTATTTATTGGGTTATCTTTCAAGTGTGCCAATAAATCCTTCATCCGCGAAGAGTCAAATGCTAGAGAATTCCTTTTTAATAGATAGCTTTACTCCAAAATTTGAAACAATGATATCAATTATTCCTATGATTGGGTCATTGGCAAAAGCTAAATTTTGTAATCTATCAGGGAATCCTATTAGCAAGCCAGCTTGGGCAGATTTGTCAGATTCTGATATTATTGATCGATTTGGTAGAATATATAGAAACCTTTCTCATTATTACAGTGGGTCTTCAAAAAAACAGAGTTTGTATCGAATAAAA

**Rbcl**

TATACTCCTGAGTATGAGACAAAAGATACGGATATCTTGGCAGCATTCCGAGTAACTCCTCAACCTGGAGTTCCACCTGAAGAAGCAGGGGCTGCAGTAGCTGCCGAATCTTCTACTGGTACATGGACAACTGTGTGGACTGATGGACTTACCAGCCTTGATCGTTACAAAGGACGATGCTACCATATCGAACCCGTTGCTGGAGAAGAAAATCAATTTATTGCTTATATAGCTTACCCATTAGACCTTTTTGAAGAAGGTTCTGTTACTAACATGTTTACCTCCATTGTAGGTAACGTATTTGGGTTTAAAGCTTTACGAGCTCTACGTTTGGAAGATTTGCGAATTCCTCCTGCTTATTCCAAAACTTTCCAAGGCCCACCTCATGGGATCCAAGTTGAGAGAGATAAATTGAACAAGTATGGTCGTCCTCTATTGGGATGTACCATCAAACCAAAATTGGGATTATCCGCGAAAAACTACGGTAGAGCGGTTTATGAAT

**Species Collection And Cultivation Information**

Date: 2006.

Plants were collected by Aleksandra Kočić (the University of Osijek, Department of Biology)

Location: Nature Park Kopački Rit (Special Zoological Reserve) in Eastern Croatia (45° 37′ 51″ N, 18° 53′ 31″ E)

Cultivation Information:

The collected plants were washed thoroughly with mercury chloride followed by 70% ethanol and sterile distilled water. The stock culture was initiated from the surviving individuals and has been maintained aseptically since then on the Pirson and Seidel growth medium. The culture was grown in an incubator chamber (Innova R 43, New Brunswick at the University of Osijek, Department of Biology) at 25±1°C under a 16 h photoperiod (70 µmol photons m-2s-1) followed by eight hours in the dark. Since 2015 the stock culture is maintained in parallel on modified Steinberg medium (pH 5.5, the medium description in Test No. 221: Lemna sp. Growth Inhibition Test), constant temperature 25±1 C° and continuous illumination (in average 70 mol m-2 s-1). No genetic modifications have been performed.

**To which Duckweed collection are you able to submit your clone?**

(One of the goals of the RDSC is to have its registered clones available to the community to promote research and applications.)

[x]  RDSC

[ ]  University Of Jena