



Tamara Đerđ

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📅 **Date of birth:** 30/07/1996

♀ **Gender:** Female

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📍 **Address:** Maršala Tita 146., 31307 Zmajevac (Croatia)

WORK EXPERIENCE

Research Assistant

Department of Biology, Josip Juraj Strossmayer University of Osijek [10/09/2020 – Current]

City: Osijek

Country: Croatia

EDUCATION AND TRAINING

PhD in Biology

Faculty of Science, University of Zagreb [2020 – Current]

Address: Horvatovac 102a, 10000 Zagreb (Croatia)

Master of Science

Department of Biology, Josip Juraj Strossmayer University of Osijek [2018 – 2020]

Address: Cara Hadrijana 8/A, 31000 Osijek (Croatia)

Bachelor of Science

Department of Biology, Josip Juraj Strossmayer University of Osijek [2015 – 2018]

Address: Cara Hadrijana 8/A, 31000 Osijek (Croatia)

LANGUAGE SKILLS

Mother tongue(s):

Hungarian , Croatian

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

PUBLICATIONS

Đerđ, T., Hackenberger, D. K., Hackenberger, D. K., Hackenberger, B. K. (2020) Observing Earthworm Behavior Using Deep Learning. *Geoderma*. 358: 113977. doi: 10.1016/j.geoderma.2019.113977

[2020]

<https://www.sciencedirect.com/science/article/abs/pii/S001670611931496X>

Hackenberger, D. K., Hackenberger, D. K., Đerđ, T., Hackenberger, B. K. (2019) ErIK-a software-based identification key for earthworm species of Croatia. *Zootaxa* 4613 (3): 594–595. doi: 10.11646/zootaxa.4613.3.11

[2019]

<https://www.biotaxa.org/Zootaxa/article/view/zootaxa.4613.3.11>

Peršić, V., Đerđ, T., Varga, M., Hackenberger, B. K. (2019) Real-time CO₂ uptake/emission measurements as a tool for early indication of toxicity in Lemna-tests. *Aquatic Toxicology* 206: 154–163. doi: 10.1016/j.aquatox.2018.11.013

[2019]

<https://www.sciencedirect.com/science/article/abs/pii/S0166445X18307513?via%3Dihub>

CONFERENCES AND SEMINARS

Đerđ, T., Hackenberger, D. K., Hackenberger, D. K., Hackenberger, B. K. (2019) EBEOBsys – An Artificial Neural Network-based Earthworm Behaviour Monitoring System.

[Soil Ecotoxicology - Theory and Application, Osijek, Croatia, 27/06/2019]

Đerđ, T., Hackenberger, D. K., Hackenberger, D. K., Hackenberger, B. K. (2019) Earthworm avoidance behavior quantification using artificial neural networks.

[SETAC Europe 29th Annual Meeting, Helsinki, Finland, 26/05/2019 – 30/05/2019]

Đerđ, T., Peršić, V., Stjepanović, N., Hackenberger, D.K., Hackenberger, B.K. (2019) A low cost, real-time measurements of CO₂ uptake/emission as an early indicator of exposure to xenobiotics in plants and animals.

[SETAC Europe 29th Annual Meeting, Helsinki, Finland, 26/05/2019 – 30/05/2019]

Đerđ, T., Peršić, V., Hackenberger, D. K., Hackenberger, B. K. (2019) Application of low-cost sensor systems in Lemna toxicity tests.

[2nd Young Scientists Days Conference, Osijek, Croatia, 23/05/2019 – 24/05/2019]

Đerđ, T., Peršić, V., Hackenberger, D. K., Hackenberger, B. K. (2019) Application of low-cost CO₂ sensor systems as a tool for continuous uptake/emission measurements in Lemna toxicity tests.

[8th Young Environmental Scientists Meeting, Ghent, Belgium, 05/02/2019 – 10/02/2019]

Đerđ, T., Hackenberger, B. K., Hackenberger, D. K. (2018) The usage of Arduino based CO₂ (NDIR) sensors in research of earthworm physiology and ecotoxicology.

[1st International Earthworm Congress, Shanghai, China, 24/06/2018 – 29/06/2018]

Hackenberger, D. K., Hackenberger, D. K., Đerđ, T., Hackenberger, B. K. (2018) The determination of earthworm species with a software key.

[1st International Earthworm Congress, Shanghai, China, 24/06/2018 – 29/06/2018]

Đerđ, T., Hackenberger, D. K., Hackenberger, B. K. (2018) Assessing toxicity to *Daphnia magna* using movement parameters.

[SETAC Europe 28th Annual Meeting, Rome, Italy, 13/05/2018 – 17/05/2018]

PROJECTS

Adaptation of mosquito population control measures to climate change in Croatia (KK. 05.1.1.02.0008.), researcher

[2020 – 2023]

<http://cadapt.biologija.unios.hr/>

Diverse Effects of Environmentally Relevant Metal-based Nanoparticle and Pesticide Mixtures on Soil Fauna: A Novel Issue for Risk Assessment (DEFENSoil), researcher

[2019]

<http://defensoil.unios.hr/en/>

Restoring Ecological Diversity of Forests with Airborne Imaging Technologies (RED FAITH)

[2019]

Modeling and comparison of behavioral responses of zooplankton species, principal investigator

[2017 – 2018]

Supervisor: Branimir K. Hackenberger, PhD, full professor

Source of funding: Department of Biology, Josip Juraj Strossmayer University of Osijek

Osijek - city without mosquitoes, research and development

[2016]

DIGITAL SKILLS

MS Office / Libreoffice Office Suite / Image editing (GIMP, Inkscape) / 3D Printing / FreeCAD / Python Programming Language / R Programming Language / Arduino Programming Language / GIT (GitHub) / UAVs (Drones)