

# Dragana Dudić

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## OBRAZOVANJE

2022. Doktor računarskih nauka  
Fakultet za informacione tehnologije, Univerzitet „APEIRON“,  
Banjaluka, Bosna i Hercegovina
2009. Master matematičkih nauka, oblast Računarstvo i informatika  
Matematički Fakultet, Univerzitet u Beogradu  
Beograd, Srbija
2008. Diplomirani matematičar,  
Matematički Fakultet, Univerzitet u Beogradu  
Beograd, Srbija

## NASTAVNO / NAUČNO ZVANJE

- |       |                           |  |
|-------|---------------------------|--|
| 2022. | <b>Docent</b>             | Fakultet za računarstvo i informatiku<br>Univerzitet „Union – Nikola Tesla“<br>Beograd, Srbija |
| 2018. | <b>Asistent</b>           | Fakultet za računarstvo i informatiku<br>Univerzitet „Union – Nikola Tesla“<br>Beograd, Srbija |
| 2010. | <b>Asistent</b>           | Poljoprivredni fakultet Univerziteta u Beogradu  |
| 2009. | <b>Saradnik u nastavi</b> | Poljoprivredni fakultet Univerziteta u Beogradu  |

## ISTRAŽIVAČKI ROJEKTI

- 2020-2024 CA19125, EPIgenetic mechanisms of Crop Adaptation To Climate cHange (EPI-CATCH)
- 2021-2025 CA20110, RNA communication across kingdoms: new mechanisms and strategies in pathogen control (exRNA-path)

- 2021-2025 CA20117, Converting Molecular Profiles of Myeloid Cells into Biomarkers for Inflammation and Cancer (Mye-InfoBank)
- 2022-2026 CA21160, Non-globular proteins in the era of Machine Learning ( ML4NGP)
- 2023-2027 CA22157, Reproductive Enhancement of CROP resilience to extreme climate (RECROP)
- 2022-2026 CA21169, Information, Coding, and Biological Function: the Dynamics of Life ( DYNALIFE)
- 2013-2017 IC1302, Semantic keyword-based search on structured data sources (KEYSTONE)
- 2015-2019 FA1407, Application of next generation sequencing for the study and diagnosis of plant viral diseases in agriculture (DIVAS)
- 2016-2020 CA15118, Mathematical and computer science methods for food science and industry (FoodMC)
- 2011-2019 TR-33048, Istraživanje korišćenja solarne energije primenom vakuumskih kolektora sa toplotnim cevima i izgradnja demonstracionog postrojenja, Ministarstvo za nauku i tehnološki razvoj Republike Srbije,

#### ODABRANE PUBLIKACIJE

Banović-Đeri, B., Božić, M., **Dudić, D.**, Vičić, I., Milivojević, M., Ignjatović-Micić, D., Samardžić, J. Vančetović, J., Delić, N., Nikolić, A.: Leaf transcriptome analysis of Lancaster vs. other heterotic groups' maize inbred lines revealed different regulation of cold-responsive genes, *Journal of Agronomy and Crop Science*, accepted for publication, doi:10.1111/jac.12529, 2021

Banović-Đeri, B., Pajić, V., **Dudić, D.**: Revealing new information from existing genomic data for pepper mild mottle virus pathotype determination, *Crop Protection*, 107, pp.93-103, (ISSN: 0261-2194), 2018.

V. Radovanović, O.Krčadinac, J. Perišić i **D. Dudić**: Istraživanje performansi rutera velikih brzina, *Zbornik radova Univerziteta "Union-NikolaTesla" Beograd - kritički osvrt na ekološke, ekonomske i društvene aspekte napretka*, str. 171- 189, (ISBN 978-86-89529-35-7), 2021.

O.Krčadinac, J. Perišić i **D. Dudić**: Komparativna analiza SQL i NoSQL baza podataka, *Zbornik radova Univerziteta "Union-Nikola Tesla" Beograd – društvena, tehnička i ekološka održivost savremenog sveta*, str. 269-291, (ISBN 978-86-89529-32-6), 2021

**Dudić, D.**, J.Perišić and O. Krcadinac: Application Profiles for Dataset Representation: An

Agricultural Field Experiments Use Case“, Zbornik radova univerziteta ”Union-Nikola Tesla” Beograd - savremeni ekološki, društveni, politički i ekonomski izazovi, pp. 145-155, (ISBN978-86-89529-31-9), 2020.

Zlatanović, I., Pajić, M., Rančić, D. Dajić-Stevanović, Z., **Dudić, D.**: Drying Kinetics and Shrinkage Analysis of Valeriana Officinalis Roots, FME Transactions, 45, pp. 142-148, (ISSN 1451-2092), 2017.

**Dudić, D.**, Zlatanović, I., Gligorević, K., Urošević, T.: SOLAR: A Software Tool for Meteorological Data Processing, Agricultural Engineering, 39(4), pp. 51-61, (ISSN 0554-5587), 2014

**Dudić, D.**: Domain-Independent and Unsupervised Named Entity Extraction Web - Based Systems, e-RAF Journal on Computing, vol. 3, pp. P32-P42, 2011.

**Dudić, D.**, Banović-Đeri, B., Pajić, V. and Pavlović-Lažetić: Demystification of RNAseq Quality Control, JITA Banja Luka, 11(2), pp. 73-87, (ISSN 2232-9625), 2021.

**Dudić, D.**, Banović-Đeri, B., Stanković, Ž and Avramović, Z.: „prepRNA: an integrative tool for Illumina RNAseq data filtering“, JITA Banjaluka, 12(1), pp. 26-32, (ISSN 2232-9625), 2022