

Dragana Dudić

Assistant Professor

Faculty of Computer Science and Informatics
Union – Nikola Tesla University
Cara Dušana 62–64
Belgrade, Serbia

e-mail: ddudic@unionnikolatesla.edu.rs

EDUCATION

2022. PhD in Computer Science
“APEIRON” University, Faculty of Information Technologies
Banjaluka, Bosnia and Herzegovina
2009. MSc in Computer Science
University of Belgrade, Faculty of Mathematics
Belgrade, Serbia
2008. BSc in Computer Science
University of Belgrade, Faculty of Mathematics
Belgrade, Serbia

EMPLOYMENT HISTORY

- | | | |
|--------------|----------------------------|--|
| 2022–present | Assistant Professor | Union – Nikola Tesla University
Faculty of Computer Science and Informatics
Belgrade, Serbia |
| 2018–2022 | Teaching Assistant | Union – Nikola Tesla University
Faculty of Computer Science and Informatics
Belgrade, Serbia |
| 2009–2018 | Teaching Assistant | University of Belgrade
Faculty of Agriculture
Belgrade, Serbia |

RESEARCH PROJECTS

- 2020-2024 CA19125, EPIgenetic mechanisms of Crop Adaptation To Climate cHange (EPI-CATCH), European Cooperation in Science and Technology.

- 2021-2025 CA20110, RNA communication across kingdoms: new mechanisms and strategies in pathogen control (exRNA-path) , European Cooperation in Science and Technology.
- 2021-2025 CA20117, Converting Molecular Profiles of Myeloid Cells into Biomarkers for Inflammation and Cancer (Mye-InfoBank) , European Cooperation in Science and Technology.
- 2022-2026 CA21160, Non-globular proteins in the era of Machine Learning (ML4NGP), European Cooperation in Science and Technology.
- 2023-2027 CA22157, Reproductive Enhancement of CROP resilience to extreme climate (RECROP), European Cooperation in Science and Technology.
- 2022-2026 CA21169, Information, Coding, and Biological Function: the Dynamics of Life (DYNALIFE), European Cooperation in Science and Technology.
- 2013-2017 IC1302, Semantic keyword-based search on structured data sources (KEYSTONE), European Cooperation in Science and Technology.
- 2015-2019 FA1407, Application of next generation sequencing for the study and diagnosis of plant viral diseases in agriculture (DIVAS), European Cooperation in Science and Technology.
- 2016-2020 CA15118, Mathematical and computer science methods for food science and industry (FoodMC), European Cooperation in Science and Technology.
- 2011-2019 TR-33048, Solar energy using research by applying the vacuum heat-pipe collectors and the construction of a demonstration plant. Ministry of Education, Science and Technological Development,

SELECTED PUBLICATIONS

Banović-Đeri, B., Božić, M., **Dudić, D.** , Vičić, I. , Milivojević, M., Ignjatović-Micić, D., Samardžić, J. Vančetočić, 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