

Project proposal title (up to 200 characters): A bioinformatics approach to dairy cattle breeding using genomic selection

Acronym (up to 20 characters): BioITGenoSelectv

Name, father's/mother's name and family name: **Momčilo, Sretko, Šaran**

Principal Investigator (PI) or Participant: **Participant**

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Name and address of the Scientific institution during the implementation of the Project and Scientific institution contact person: **Faculty of Agriculture, University of Novi Sad, Trg Dositeja Obradovića 8, 21101 Novi Sad, dr Snezana Trivunovic, full professor, snezana.trivunovic@stocarstvo.edu.rs**

BIOGRAPHY

- Date and place of birth: **October, 22. 1988, Konjic, Bosnia and Herzegovina**
- Age: **30**
- Citizenship: **Serbia**
- Research field and area/areas (at most five): **Animal Genetics, Molecular Genetics in Livestock**
- Education:
University of Novi Sad, Faculty of Agriculture, Novi Sad, Serbia,
Ph.D. studies (ongoing) in Agronomy- University of Novi Sad, Faculty of Agriculture
Master in Animal Science – Genetics and biotechnology in animal husbandry, 2013-2015 (grade point average 10/10 max) “Genetic polymorphism of κ casein in dairy cattle breeds”
Bachelor in Animal Science – Milk Production and Milk Products, 2009–2013 (grade point average 9,07/10 max) “Physical-chemical and chemical changes in sterilized milk during storage”
- Name, family name and title of the Ph.D. thesis supervisor: **Snežana Trivunović, full professor**
- Dates of appointments (researcher and scientific titles, i.e., equivalent titles in higher education).
Teaching assistant Mar 2017 – present, Department of Animal Science, Faculty of Agriculture, University of Novi Sad, Serbia
Expert associate, Oct. 2013 – Mar. 2017, Department of Animal Science, Faculty of Agriculture, University of Novi Sad, Serbia
- Employment history (institutions and to/from dates up to the day of the proposal submission).
From October 2013, Department of Animal Science, Faculty of Agriculture, University of Novi Sad, Serbia
- List of selected publications (up to five most important publications in the research field of the Project).
 1. Trivunović S., Štrbac Lj., **Šaran M.**, Obad M., Janković D., Bunevski Gj., Radinović M. (2019): Estimation of genetic parameters for milk traits in different lactations of holstein-friesian cattle using random regression model, The International Symposium on Animal Science (ISAS) 2019. 03-08 June 2019, Herceg Novi, Montenegro, 14. ISBN 978-86-7520-467-1, M33
 2. Trivunović S., Štrbac Lj., Janković D., Ivanović D., Radović I., Mirkov M., Pihler I., Bjedov S., **Šaran M.** (2018): Livestock production development in AP Vojvodina, Acta Agraria Debreceniensis, University of Debrecen, 501-514. ISSN 1587-1282., M31
 3. Štrbac Lj., **Šaran M.**, Jurakić Ž., Popović M., Janković D., Radinović M., Trivunović S. (2018): Heritability and repeatability estimates for milk production traits in organic and conventional dairy cattle production, The International Symposium on Animal Science (ISAS) 2018. 22-23 November 2018, Zemun, Belgrade, 129-134. ISBN: 978-86-7834-316-2., M33
 4. **Šaran M.**, Veličković N., Đan M., Trivunović S., Dragin S., Krneta N. (2016): Genetički polimorfizam kapa kazeina mlečnih rasa goveda, V simpozijum Sekcije za oplemenjivanje organizama Društva genetičara Srbije, Kladovo, Srbija 27-31. maj, 149-150, M64
 5. Štrbac Lj., **Šaran M.**, Jurakić Ž., Trivunović S., Janković D., Radinović M. (2018): Heritability and repeatability estimates for milk production traits in organic and conventional dairy cattle production, The International Symposium on Animal Science (ISAS) 2018, 22-23 November 2018., Faculty of agriculture in Belgrade – Zemun. Proceedings, 129-134. ISBN: 978-86-7834-316-2., M33
- Citation number (excluding self-citations) from citation databases: **0 SCOPUS**
- Hirsch index from SCOPUS: **0**

- Participant in the following national project:
Production of hard cheese with added value of milk produced in organic and self-sustaining system, No TR31095, project financed by the Ministry of Education, Science and Technological Development, Republic of Serbia, coordinator Faculty of Agriculture, Novi Sad, project period 2013-2019;
Application of genomic selection in cattle breeding, project financed by the Provincial Secretariat for Higher Education and Scientific Research, Autonomous Province of Vojvodina, Republic of Serbia, coordinator Faculty of Agriculture, Novi Sad, project period July 2019 - July 2020.
- International scientific collaboration and mobility.
 - Professional training in the field of reproduction of domestic animals at the Research Center for Animal Production, Lužianky, Nitra, Slovakia in the period 04.02.-09.02.2018.
- Awards, prizes, etc.
 - Award from the foundation “prof. dr. Milivoj Pavlovic“ for the best student of the fourth year and for the best graduate student of study program in Animal Science for the academic year 2012/2013.
- Reviewing scientific journals and grants.
 - Reviewer for **Genetika** scientific journal (SCI)
- Skills and other facts relevant to the Project.
Training course:
Feb. 2019., four days: Application of basic molecular methods genetics - Institute of molecular genetics and genetic engineering, University of Belgrade.
- **Knowledge of computer programs:**
Statistica, MS Office, Adobe InDesign
- **Membership:**
Serbian Genetic Society
EAAP and EAAP young club
- **Language:**
Serbian, English
- **Other:**
4 years experience in implementing livestock breeding programs in cattle production.
- **Links for research pages:**
<http://istrazivaci.mpn.gov.rs/istrazivac/149813>
<http://knr.uns.ac.rs/imenikSvi.xhtml> Type in: Šaran Momčilo