

**Dr Dragan Žikić, vanredni profesor**

**Uža naučna oblast:** Anatomija, histologija i fiziologija životinja

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### **Obrazovanje**

- **Dipl. inž. (1996)** - Poljoprivredni fakultet u Novom Sadu, smer - stočarski
- **Magistar nauka (2000)** – Fakultet veterinarske medicine
- **Doktor nauka (2005)** - Poljoprivredni fakultet u Novom Sadu, Doktorska disertacija: *"Ocena estrogene aktivnosti genisteina u cilju formiranja analitičkog modela za detekciju jedinjenja sličnih estrogenu"*

### **Odabrane publikacije**

1. Lazarević Miodrag, **Žikić Dragan**, Ušćebrka Gordana. (2000) The influence of long term sound stress on the blood leukocyte count, heterophyl/lymphocyte ratio and cutaneous basophil hypersensitive reaction to phytohemagglutinin in broiler chickens. Acta veterinaria, Vol 50; 2-3; 63-76. **(M23)**
2. Icević Ivana D., Bogdanović Višnja V., **Žikić Dragan**, Šolajić Slavica, Bogdanović Gordana M., Djordjević Aleksandar N. The influence of fullereneol on the cell number, cell area and colony forming unit ability in irradiated human erythroleukemic cell line (Article) HEMIJSKA INDUSTRIJA, (2007), vol. 61 br. 3, str. 167-170. **(M24)**
3. Perić Lidija, Nolle Lode, Milošević Niko, **Žikić Dragan**. Effect of Bioplex and Sel-Plex substituting inorganic trace mineral sources on performance of broilers, ARCH. GEFLÜGELK., (2007), 71 (3)122–129. **(M23)**
4. Bogdanović Višnja, Stankov Karmen, Icević Ivana, **Žikić Dragan**, Nikolić Aleksandra, Šolajić Slavica, Djordjević Aleksandar N, Bogdanović Gordana M. Fullereneol C-60(OH)(24) effects on antioxidative enzymes activity in irradiated human erythroleukemia cell line. JOURNAL OF RADIATION RESEARCH, (2008) vol.49 br.3 str. 321-327 **(M23)**
5. Perić L, Milošević N, **Žikić D**, Kanački Z, Džinić N, Nolle L, Spring P (2009) Effect of selenium sources on performance and meat characteristics of broiler chickens. J. Appl. Poult. Res. 18 :403–409 **(M23)**

6. Ušćebrka Gordana, Stojanović Slobodan, **Žikić Dragan**, Kanački Zdenko (2010) Morphodynamics of embryonic development of skeletal musculature of broiler and layer chickens (Article). AVIAN BIOLOGY RESEARCH, (2010), vol. 3 br. 4, str. 179-186 **(M23)**
7. Perić Lidija, Milosević Niko, **Žikić Dragan**, Bjedov Sinisa, Cvetković Dragoljub, Markov Siniša, Mohnl Michaela, Steiner Tobias. Effects of probiotic and phytogenic products on performance, gut morphology and cecal microflora of broiler chickens (Article) ARCHIV FÜR TIERZUCHT-ARCHIVES OF ANIMAL BREEDING, (2010), vol. 53 br. 3, str. 350-359 **(M23)**
8. **Žikić Dragan**, Perić Lidija, Ušćebrka Gordana, Stojanović Slobodan, Milić Dragan, Nollet L. Influence of dietary mannanoligosaccharides on histological parameters of the jejunal mucosa and growth performance of broiler chickens (Article) AFRICAN JOURNAL OF BIOTECHNOLOGY, (2011), vol. 10 br. 32, str. 6172-6176 **(M23)**
9. Stojanović Vesna, Vučković Nada, Spasojević Slobodan, Barišić Nenad, Doronjski Aleksandra, **Žikić Dragan**. The influence of EPO and hypothermia on the kidneys of rats after perinatal asphyxia (Article) PEDIATRIC NEPHROLOGY, (2012), vol. 27 br. 1, str. 139-144 **(M21)**
10. Medigović Ivana M., Ristić Nataša M., Trifunović Svetlana L., Manojlović-Stojanoski Milica N., Milošević Verica Lj., **Žikić Dragan R.**, Nestorović Nataša M. Genistein affects ovarian folliculogenesis: A stereological study MICROSCOPY RESEARCH AND TECHNIQUE, (2012), vol. 75 br. 12, str. 1691-1699 **(M21)**
11. Ivković M, Perić L, **Žikić D**, Cvetković D, Glamočić D, Spring P. Effects of a novel carbohydrate fraction on broiler performance and intestinal function. SOUTH AFRICAN JOURNAL OF ANIMAL SCIENCE, (2012), vol. 42 br. 2, str. 131-138. **(M23)**
12. Medigović Ivana M., Manojlović-Stojanoski Milica N., Trifunović Svetlana L., Ristić Nataša M., Milošević Verica Lj., **Žikić Dragan R.**, Nestorović Nataša M. Effects of genistein on gonadotropic cells in immature female rats ACTA HISTOCHEMICA, (2012), vol. 114 br. 3, str. 270-275 **(M23)**
13. Stojanović S., Ušćebrka G., **Žikić D.**, Kanački Z. Skeletal muscle characteristics of broiler chickens under modified incubation factors. AVIAN BIOL RES, (2013), 6(4): 281-288. **(M22)**
14. Spasojević Slobodan D., Stojanović Vesna D., Barišić Nenad A., Doronjski Aleksandra R., **Žikić Dragan R.**, Babović Siniša M. Neuroprotective effects of hypothermia and erythropoietin after perinatal asphyxia in newborn rats. JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, (2013), vol. 26 br. 15, str. 1506-1509. **(M23)**
15. S. Bjedov, D. **Žikić**, L. Perić, M. Đukić Stojčić , N. Milošević. Effect of different litter treatments on production performance of broiler chickens. BIOTECHNOLOGY IN ANIMAL HUSBANDRY, (2013), 29 (4), p 625-630. **(M24)**
16. Borović-Labudović Milica, Ičević Ivana D., Kanački Zdenko, **Žikić Dragan R.**, Seke Mariana, Injac Rade D., Djordjevic Aleksandar N. Effects of Fullerol C-60(OH)(24) Nanoparticles on a Single-dose Doxorubicin-induced Cardiotoxicity in Pigs: An Ultrastructural Study. ULTRASTRUCTURAL PATHOLOGY, (2014), vol. 38 br. 2, str. 150-163. **(M23)**
17. Stojanovic Slobodan, **Zikic Dragan R.**, Kanacki Zdenko, Ajdzanovic Vladimir Z., Milosevic Verica Lj., Uscebrka Gordana M. The Effects of Thermal and Light Exposure on the Development of Broiler Chicken Leg Musculature (Article)

### **Odabrani projekti**

1. Uticaj probiotika i prebiotika na proizvodne performace i morfofunkcionalne karakteristike creva brojlera, 114-451-00566, 2005-2010 (učesnik).
2. Novi tehnološki postupci u skladu sa dobrobiti živine i zaštitom životne sredine u cilju dobijanja živinskih proizvoda garantovanog i posebnog kvaliteta, broj projekta TR-20021, 2007-2011 (učesnik).
3. Ispitivanje uticaja odabira jaja i faktora inkubacije na morfofunkcionalne karakteristike embrionalnog i postnatalnog razvoja u cilju povećanja vijabilnosti fazanskih pilića, broj 2023/2011 (učesnik).
4. Održiva konvencionalna i revitovalizovana tradicionalna proizvodnja živinskog mesa i jaja sa dodatom vrednošću, broj projekta TR-31033, 2011-2014 (učesnik).
5. Funkcionalni, funkcionalizovani i usavršeni nano materiali, broj projekta III-45005, 2011-2014 (učesnik).

### **Akadske aktivnosti**

- **Nastava** iz uže naučne oblasti anatomija, histologija i fiziologija životinja na osnovnim akademskim, master i doktorskim studijama
- **Mentor** 1 master rada i 2 diplomska radova. Učesnik je u većem broju komisija za odbranu na svim nivoima studija.

### **Članstvo u udruženjima (do 5)**

- Društvo anatoma Srbije
- JUSK – Jedinствeno udruženje za Srbije za kvalitet
- WPSA - World's Poultry Science Association
- EOQ – Evropska organizacija za kvalitet
- SDM – Srpsko društvo za mikroskopiju

### **Ostale aktivnosti**

- Član uređivačkog odbora u časopisu: "International journal ADVANCED QUALITY"
- 2 recenzije u časopisima sa impakt faktorom
- Veći broj predsedavanja u sekcijama na nacionalnim i evropskim skupovima
- Govori, čita i piše engleski



**Associate Professor Dragan Žikić, Ph.D.**  
**Field of research: Anatomy and histology of animals**  
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### **Academic qualifications**

- **B.Sc.** (1995) - University of Novi Sad, Faculty of Agriculture
- **M.Sc.** (2000) - University of Belgrade, Faculty of Veterinary Medicine
- **Ph.D.** (2005) - University of Novi Sad, Faculty of Agriculture

### **Selected publications**

1. Lazarević Miodrag, **Žikić Dragan**, Ušćebrka Gordana. (2000) The influence of long term sound stress on the blood leukocyte count, heterophil/lymphocyte ratio and cutaneous basophil hypersensitive reaction to phytohemagglutinin in broiler chickens. *Acta veterinaria*, Vol 50; 2-3; 63-76. **(M23)**
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  17. Stojanović Slobodan, Žikić Dragan R., Kanački Zdenko, Ajdžanović Vladimir Z., Milošević Verica Lj., Ušćebrka Gordana M. The Effects of Thermal and Light Exposure on the Development of Broiler Chicken Leg Musculature (Article) ARCHIVES OF BIOLOGICAL SCIENCES, (2014), vol. 66 br. 4, str. 1547-1557. **(M23)**

### **Selected projects**

1. Influence of probiotics and prebiotics on production performance and morphofunctional characteristics of broiler guts, No. 114-451-00566, 2005-2010 (participant).
2. New production processes in accordance with animal welfare and environmental protection in order to obtain guaranteed and poultry products of special quality, No. TR-20021, 2007-2011 (participant).
3. Sustainable conventional and traditional production of poultry meat and eggs with added value, No. TR-31033, 2011-2014 (participant).

4. Investigate the impact of selection factors and egg incubation on morphofunctional characteristics of embryonic and postnatal development in order to increase the viability of pheasant chicks, No. 2023/2011 (participant).
5. Functional, functionalized with an advanced nano materials, No. III-45005, 2011-2014 (participant).

**Academic activities**

- Teaching at undergraduate, postgraduate and Ph.D. studies (Animal anatomy and histology)
  - Supervisor of 1 M.Sc. thesis, 2 B.Sc. thesis, member in numerous committees

**Memberships**

- Serbian Anatomy Society
- UASQ – United Association of Serbia for Quality
- WPSA - World's Poultry Science Association
- EOQ – European Organization for Quality
- SDM – Serbian Society for Mycroscopy

**Other activities**

- Member of Editorial board in Journal: “ADVANCED QUALITY”
- Two reviews in referee journals
- Chairing in national and international meetings
- Language skills: English