

Name: Ivan Dimitrov

Academic status and scientific degree: Prof., Ph.D.

Scientific field of activity: Assessment of animal welfare / welfare; Applied ethology; Sheep and goat farming

Curriculum Vitae(CV)

Accomplished the High School of Zootechny and Veterinary Medicine, Stara Zagora, Faculty of Zooengineering in 1987, PhD in 1998 and Assoc. Prof. at the Research Institute of Agricultural Science in 2003. Main research topics - behavioral problems in sheep and poultry, temperament. Scientific interests- animal welfare, assessment of emotional reactivity in animals, assessment of the balance between stress and positive emotions. Accumulated impact factor of publications and citations over 600. International experience record (specializations): long term - France, INRA-Tour, 1999- Assessment of stress and maternal behaviour; France, INRA-Clermont Ferrand, 2002- assessment of fear reactions by the system "Observer"; France, INRA-Bordeaux, 2007- Assessment of stress hormones by noninvasive methods (in urine, milk); Program PHARE, Europe, Project „Demonstration farms”, 1993-1994- farm animal economics; Short term- Germany, Berlin, 2004- Positive emotions in animals; Denmark, Copenhagen, 2003 - assessment of animal welfare; Finland, Helsinki, 2004- stress and productivity; Slovenia, Ljubljana, 2017- assessment of temperament in terms of keel bond damages in laying hens. Participation in over 20 international congresses and conferences in abroad on the problems of stress, behavior and welfare in farm animals. Membership in professional organizations: Member of the International Society for Applied Ethology since 1992; Member of the Bulgarian Union of Science since 1993; Member of the management committee (MC) of the European Program Cost Action 846 'Assessment and Monitoring of Animal Welfare'; Member of the MC and vice chair of working group on pre and post-natal conditions of the EC Program Cost Action 15134 Damaging behavior. Member of the MC and vice-chair of the Research and development working group of the EC Program Cost Action 15224 Problems of keel bond damages in laying hens. Cofounder and member of the management committee of the Stara Zagora Sheep Association. Member of Editing and Reviewers Board of the USA Scientific Journal "Journal of Agricultural Science and Technology" and the Egiptian Scientific Journal "Zagazi Veterinary Journal". Author of over 100 scientific papers and books on the problems of sheep and poultry behavior, welfare and breeding. Very good commands in the written and spoken English, French and Russian languages.

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Publications for the last five years:

1. Tomislav Mikus, Miroslav Radeski, **Ivan Dimitrov**, Manja Zupan, Katarina Nenadovic, Mario Ostovic, Viktor Jurkovich, Ludovic Csiszter, Radka Šárová, Marlene K. Kirchner, **2018**. Animal welfare research in the last three decades in the Danube region – a bibliographic study. *J. Environmental Ethics*, submitted.
2. **Dimitrov Ivan**, **2016**. Assessment of temperament and welfare by behavioural criteria in dairy sheep on farm conditions. Chapter 5, In: *Temperaments: Individual Differences, Social and Environmental Influences and Impact on Quality of Life*. ISBN: 978-1-63484-152-8 , Ed: Magdalene Cecile Arnold, Nova Science Publishers Inc., New York, 2016, pp 51-75.
3. Rodenburg, T.B., Berk, J., **Dimitrov, I.**, Edgar, J., van der Eijk, J.A.J., Estevez, I., Ferrante, V., de Haas, E.N., Kostal, L., Liaubet, L., Michel, V., Nordgreen, J., Ozkan, S., Piette, D., Pichova, K., Riber, A.B., Sossidou, E., Toscano, M., Valros, A., Zupan, M. and Janczak, A.M. **2017**. The GroupHouseNet COST Action: exploiting European synergy to reduce feather pecking in laying hens, In: *Xth European Symposium on Poultry Welfare*, Ploufragan, France, *World's Poultry Science Journal*. pp. 41-46.
4. Nakov, D., Hristov, S., Stankovic, B., Pol, F., **Dimitrov, I.**, Ilieski, V., Mormede, P., Hervé, J., Terenina, E., Lieubeau, B., Papanastasiou, D.K., Bartzanas, T., Norton, T., Piette, D., Tullo, E., van Dixhoorn, I.D.E., **2018**. Review: Standardized methodologies for assessing disease tolerance in pigs. *Animal Journal*, Submitted.
5. **Dimitrov I.**, M.Djorbineva, L.Sotirov, S. Tanchev, **2005**. Influence of fearfulness over the lysozyme and complement concentration in dairy sheep. *Revue Med. Vet.*, 156, 8-9, 445-448.
6. Sotirov L., **I. Dimitrov**, M. Djorbineva and S. Tanchev, **2005**. Alternative pathway of complement activation (APCA) in different sheep breeds. *Rev. Med. Vet.*, 2005, 156, 7, 405-408.
7. Sotirov L., **I. Dimitrov**, M. Djorbineva, E. Gelyazkov, **2006**. Effect of C3 genotypes on milk production in sheep, *Rev. Med. Vet.*, 157, 7, 391-395.
8. L.Sotirov, **I. Dimitrov**, M. Djorbineva S. Tanchev and B. Bivolarski. Influence of bivalent vaccine Miloxan (*Clostridium perfringens* type C,D and *Cl. Oedematiens* type B) and the C3 genotypes on lysozyme and complement concentrations in dairy sheep. *Rev. Med. Vet.*, 2005, 156, 11, 569-573.
9. Boissy, A., G. Manteuffel, M.B. Jensen, R.O.Moe, B. Spruijt, L. Keeling, C. Winckler, B.Forkman, **I. Dimitrov**, J. Langbein, M.Bakken, I.Veissier and A.Aubert, **2007**. “Assessment of positive emotions in animals to improve their welfare”, *Jurn. of Physiology and Behaviour*, 2007, 92, 3, 375-396.

- 10.R.J. Kilgour, T. Waterhouse, C.M. Dwyer, and **I.D. Ivanov, 2008**. Farming Systems for Sheep Production and Their Effect on Welfare. p. 213-267. In: "Welfare of sheep" ed. Cathy M. Dwyer, ISBN: 978-1-4020-8552-9, Springer Science+Business Media B.V., p. 367.
- 11.**Dimitrov I.**, N. Stancheva, G. Staikova, J. Peeva, V. Vasilev, A. Apostolov. 2012. Assessment of level of fear susceptibility during machine milking in dairy sheep of different ages and temperament, Bulgarian Journal of Agricultural Science, 18, 4, 482- 486.
- 12.**Ivan Dimitrov**, Jana Peeva, Lilian Sotirov, Vanya Tsoneva , Salvatore Pier Giacomo Rassa, Milena Mihaylova, Nedka Dimova, Vasil Vasilev, 2012. Assessing emotional processes in dairy sheep of different temperaments: Behavioural, cortisol and immune responses in dairy sheep experiencing positive and negative emotions on farm. Proceedings of the 46th Congress of the International Society for Applied Ethology, 31 July- 4th August, 2012, Vienna, Austria, Quality of life in designed environments, 21- 22.
- 13.Zhana Peeva, Nedka Dimova, Milena Mihaylova, Vasil Vasilev, **Ivan Dimitrov, 2013**. Assesment of the feeding behaviour of dairy ewes of different ages and temperaments, Международно научно on-line списание Science & Technologies, „Съюз на учените- Стара Загора” Volume III; Number 5; 2013: 86- 89.
- 14.J. Peeva, **I. Dimitrov**, M. Mihaylova, M. Dzhorbineva, 2011. The role of accumulated feeding effect over the conflict feeding behaviour of dairy ewes of different ages. Macedonian Journal of Animal Science, Vol. 1, No. 2, pp. 339-342 (2011) 055 ISSN 1857- 7709.
- 15.Vasil Vasilev, Zhana Peeva, Milena Mihaylova, Nedka Dimova, **Ivan Dimitrov, 2013**. Assesment of level of welfarw during machine milking in dairy sheep of different ages and temperaments. Международно научно on- line списание Science & Technologies, „Съюз на учените- Стара Загора” VOLUME III; NUMBER 5; 2013: 71-77.