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**CONTRIBUTION OF AN ACADEMICIAN OF LENIN ALL-UNION
ACADEMY OF AGRICULTURAL SCIENCE M.F. IVANOV TO
DEVELOPMENT OF SCIENTIFIC FUNDAMENDALS OF DOMESTIC
POULTRY FARMING**

Summary

In the article scientific works on development of theoretical and methodological principles of poultry farming of well-known scientist in the field of zootechny, doctor of agricultural sciences, professor, academician of Lenin All-Union Academy of agricultural science Mykhailo Fedorovych Ivanov (1871–1935) are generalized. His priority in development of classification of breeds of chickens, which did not lose the actuality at the present time is proved. This article presents the creative research of scientist on systematization of special features of poultry, development of the methodology on creation of new breeds, introduction of nutritional standards for feeding of farm animals. His contribution to generation of domestic higher agricultural education is substantiated. There is evidence that M.F. Ivanov introduced the discipline «Poultry farming» and prepared one of the first textbooks «Agricultural poultry farming» for first time ever in the Russian Empire.

In works of some authors we can see fragmentary data in relation to the value of scientific works of M.F. Ivanov for development of the poultry farming industry. Therefore, some generalized information is contained in an introductory note to the sixth volume of the complete works of M.F. Ivanov, published in 1965, including his works on poultry farming. It was difficult to assess the significant contribution of M.F. Ivanov in development of scientific principles from the point of view of previous times. It can be done only at the present time, when theoretical knowledge and practical experience are accumulated from the scientific support of the poultry farming. It should be noted that substantive provisions, which were developed, generalized and systematized by M.F. Ivanov, remain actual at the present time.

The book of V.I. Fisinin «Scientists – poultry breeders of Russia, People and birds» (2011), including the name of M.F. Ivanov, was recently published. However, information in relation to activity of scientist and his contribution to development of scientific principles of poultry farming was represented briefly and limitedly. Thus, it is necessary to notice that, taking into account biographic data of M.F. Ivanov, we can attribute him to the group of the Ukrainian scientists in the field of poultry farming.

Taking into account the above-mentioned information, the purpose of our work was to carry out the analysis of scientific work in the field of poultry farming of academician of Lenin All-Union Academy of agricultural science M.F. Ivanov, to define his contribution to development of theoretical and methodological principles of the industry.

M.F. Ivanov had portentous abilities for an analysis, generalization, differentiation of the theoretical and practical knowledge, which were already accumulated in any industry of stock-raising. With regard to the poultry farming, foremost, he grounded its practical value and economic importance.

For the first time ever he described the main areas of poultry farming, including Ukraine, having a priority in the field of poultry farming, Central agronomical district, the Volga region (Povolzhye), North Caucasus and Western Siberia.

Classification of breeds of chickens is one of the important achievements of M.F. Ivanov in development of the poultry farming, offered by him and it remains operative at the present time. According to classification of M.F. Ivanov the breeds of chickens are divided into types and groups. Therefore, there are 5 types of breeds according to the theory of a scientist, as follows: 1) combative breed, 2) oviparous breed, 3) meat breed, 4) breed for general use, 5) decorative breed.

M.F. Ivanov gave the special attention to the forms of combs of chickens, and he described the forms of combs and showed them in a picture. Except for description of six widespread forms of combs (leaflike, siliquiform, rose comb, spindle-shaped, V-shaped comb, butterfly-shaped), M.F. Ivanov specified the cup-shaped form of comb, attributed to Breda chickens only.

His purpose was representation of the most substantial and important provision in relation to, for example, feeding in a popular form.

In the monograph «Poultry» M.F. Ivanov generalized of scientific achievements of that time, advanced scientific and practical experience of foreign countries and he clearly systematized recommendations in relation to poultry feeding for the first time ever. It is referred to conditions of poultry management: description of poultry houses and their equipment requirements to the microclimate in the premise etc. The separate section of monograph dedicated to poultry management. He globally described the prospects of development and improvement of the agricultural poultry farming.

M.F. Ivanov gave the detailed interpretation of the methods of poultry breeding for the first time ever.

Positioning the contribution of M.F. Ivanov to development of scientific principles of the poultry farming, it should be noted the fact of fallaciousness in theoretical knowledge. He was the supporter of opinion in relation to influence and the dominant value of external environment on forming of hereditary features, which was dominating at that time. O.S. Serebrovskyi was a supporter of classic genetics. He discussed with M.F. Ivanov in the matter of forming of heredity.

M.F. Ivanov is an author of 250 works (including works, published under his editorship) according to available data, including 12 works on the poultry farming. After death of a scientist it was published a row of the selected works and the complete set of works in 7 volumes. However actually publications were in increasing numbers, as re-edition of his works were not be taken into account in a general list.

Works and activity of M.F. are of a great importance for training of personnel for the poultry farming. He introduced an educational discipline «Poultry farming» in 1914 in Moscow agricultural institute. M.F. Ivanov was a chief of the department of special zootechny, and the monograph «Poultry» of M.F. Ivanov played a big role in training of specialists and spread of the special knowledge in the field of poultry farming. Intelligibility, clearness of the learning materials in combination with an analysis and practical significance of contents were appropriate to all his works, which were important and interesting for specialists.

Thus, life and activity of M.F. Ivanov served as an example for many generations of scientists.

Key words: *M.F. Ivanov, poultry farming, poultry, chickens, breed, breed classification, exteriors, breeding, feeding.*