

## Peer-review of monograph “Viral Diseases of Sturgeons and Salmon” L. P. Buchatsky, Yu. P. Rud, N. N. Matvienko. K.: DIA, 2020. 240 p. ISBN 978-617-7785-10-0

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## Рецензия на монографию «Вирусные болезни осетров и лососей» Л. П. Бучацкий, Ю. П. Рудь, Н. Н. Матвиенко. Киев: ДИА, 2020. 240 с. ISBN 978-617-7785-10-0

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The information presented in the book “Viral Diseases of Sturgeons and Salmon” meets the requirements for this type of publications and contains current data on the main viral diseases of sturgeons and salmon.

Eighteen chapters of the book are devoted to different viral diseases of fish and two chapters – to methods of laboratory diagnosis, prevention and treatment of sturgeon and salmon viral infections.

The authors were the first to present in detail the world history of studying of sturgeon and salmon viral diseases, and to describe biological characteristics of viruses causing fish diseases both in natural water bodies and in specialized fish farms of Ukraine. The book also gives information on genomes and presents schemes of virus virions structure of different families that cause diseases of aquaculture animals.

The book is well illustrated, and color photographs make it easy to determine the degree of pathological and histological changes in fish as a result of the development of epizootic process caused by a particular representative of the kingdom of *Vira*.

The etiological role of the described pathogens was proved by the results of polymerase chain reaction and phylogenetic analysis of nucleotide sequences of viruses isolated from infected fish, including in Ukraine.

The authors presented a scheme of diagnosis of viral diseases of fish, which reflects the biological characteristics of aquaculture animals.

The list of fish cell lines is of great interest, as well as diagnostic test systems for the identification of viral diseases of sturgeons and salmon in the laboratory of fish farming biotechnologies of the Institute of Fisheries of the National Academy of Agrarian Sciences of Ukraine.

In conclusion, the authors provided current data on methods of prevention and treatment of viral diseases of fish. The information about DNA-vaccines and fish vaccination schedules is of great interest for the reader.

The advantage of the book are the references at the end of each chapter, which contain scientific publications both of the authors of this publication, and other researchers, including foreign ones, which indicates the objectivity of the information presented in the monograph.

The book “Viral Diseases of Sturgeons and Salmon” will allow students of biological and veterinary profiles, students of advanced training courses, as well as specialists working in the field of ichthyopathology, to better understand the problems and get acquainted with modern methods of laboratory diagnosis of sturgeon and salmon viral diseases.

The book “Viral Diseases of Sturgeons and Salmon” (by L. P. Buchatsky, Yu. P. Rud, and N. N. Matvienko) should be recommended for specialists of the state veterinary service and veterinary surveillance bodies, as well as for professional education – for students of high schools and various advanced training courses.