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ABSTRACT BOOK

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The 3rd International Symposium of Benthological Society of Asia is held in Vladivostok, Russia, from 24 to 27 August 2016, then from 27 to 31 August 2016 is continuing as The First International Youth Freshwater Ecology School. Various aspects of freshwater and marine biodiversity, biology and ecology problems are in the focus of the Symposium papers. Special attention has been paid to conservation of waters in the urban and wildlife areas of Asian region. Water quality and transboundary water ecosystem monitoring and control are considered at the international point of view as well as questions of ecological education and involving of public to water resources protection. The future international cooperation in different branches of benthological fundamental and applied sciences is discussed.

The book will be interesting for specialists in biology, ecology and biogeography, for practical workers, students and public deal with the water ecosystems protection, monitoring and control.

Co-Conveners: Academician of RAS Yu.N. Zhuravlev,
Dr. N.K. Khristoforova (FEFU) & Ph.D. T.S. Vshivkova (IBSS FEB RAS)

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(RT5) FRESHWATER ECOLOGY IN THE VLADIVOSTOK STATE
UNIVERSITY OF ECONOMICS AND SERVICE

L.V. YAKIMENKO^{1*}, N.V. IVANENKO¹, T.S. VSHIVKOVA²

¹Vladivostok State University of Economics and Service (VSUES), Vladivostok, RUSSIA

²Institute of Biology and Soil Sciences, FEB RAS, Vladivostok, RUSSIA

*E-mail: maylusa@mail.ru

The Department of Ecology and Environmental Management of Vladivostok State University of Economics and Service (VSUES) conducts during 18 years the preparation of students in specialties "Ecology" and "Ecology and Environmental Management". For successful employment of students we orient them to different areas within mega-science Ecology – theoretical and applied ecology, production environmental control at the entity, environmental assessment and audit, environmental management and environmental protection, inventories of natural resources, research activities, etc.

Since 2014 at the VSUES the applied-integrated training program for students (AITP) is entered. Its essence is that the student spends 6–7 months of senior class at the entity or research institution where they can improve and expand the knowledge obtained in the University. Two years later it was realized that AITP is very effective system: the work in real conditions lets students receive many practical skills demanded by modern science and production. Quite often, the students-probationers, are beginning to get some salary and then, the offer to work. It should be noted that AITP imposes increased requirements to quality of training of the student-probationer and also to the University departments which should develop wide and strong connections with entities where students would be able to receive real skills of professional job.

We have begun training of our student in freshwater ecology with series of lectures within The Invited Speakers Program. Such invited speaker already many years is T.S. Vshivkova, the senior researcher of the Laboratory of Freshwater Hydrobiology, Institute of Biology and Soil Science FEB RAS. Other form of interaction was the School of Environmental Monitoring which is carrying out by T.S. Vshivkova in VSUES since 2010. To teach students the bases of freshwater ecology a special course of lectures and practical master classes "Freshwater Monitoring" was created by her especially for our Department. As a result some students have expressed big desire to specialize in the field of freshwater ecology and have prepared diplomas and term papers in this branch of ecology. Other result of successful introduction of freshwater ecology into scientific and educational activities of our University was the organization of the XIV International Symposium on Trichoptera in 2012 by VSUES and IBSS FEB RAS together. The University and academic science opened the doors not only for professional hydrobiologist of the world, but also for students, seniors and teachers of Primorye.

Key words: education, freshwater ecology, applied-integrated training program for students