

Scientific Adviser's note on
the work of Ksenia Taysirovna Abu Diyak, a student of the Department of Entomology

Ksenia Taysirovna Abu Diyak came to the Department of Entomology with an interest in receptors and the functioning of sensory structures. Caddis flies (Trichoptera) were chosen as objects, for which the staff of the Department of Entomology had experience in research work. We had a small creative team that explores various aspects of the evolution, communication and behavior of insects from the order of caddis flies (Trichoptera) at that moment. Ksenia Taysirovna began to take an active part in these studies. The choice of the topic for the bachelor's graduate work was due to an obvious gap in the sensilla studies of one of the evolutionary branches of caddis flies, the suborder Annulipalpia, where key families have not yet been covered by comparative investigations.

One of the requirements for a modern worker in the field of science is the ability to work in a crew, the ability to join a team of researchers. K.T. Abu Diyak, as it turned out, in her personal qualities fully meets the requirements. Ksenia quickly mastered the methods of scanning electron microscopy, learned how to self-reliantly select and identify material, including tropical exotic species. She enthusiastically worked on the task, looked for the best ways to study the material, actively found opportunities to participate in conferences to present the results. She is distinguished by her exceptional enthusiasm for work, the ability to show leadership qualities when necessary, and to carry out independent research. She obtained interesting and new results already in the first days of experimental work, and it became clear that she was quite capable of coping with a more complex comparative topic at once on many objects, so at her insistence the topic of graduate research was expanded to cover the sensory structures of the suborder. At the moment, K.T. Abu Diyak has 3 articles in the proceedings of national specialized conferences and an article accepted for publication in the journal *Bioical Communications*. Ksenia Taisirovna Abu Diyak is a science enthusiast, an active and energetic person who quickly and successfully obtains new scientific results. She fruitfully works in a team, actively interacting with colleagues. According to her personal qualities, she is one of the best students of the faculty and should be recommended for admission to the magistracy of the Faculty of Biology of the SPbSU.

Scientific adviser
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Vladimir Dmitrievich Ivanov