
BIOLOGICAL SCIENCE

UDC 599.426

NEW FINDINGS OF NOCTULE (*Nyctalus Noctula*) IN ROSTOV-ON-DON

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In the Rostov Region noctule is a common migratory species. Recent years have seen her many wintering colony in the city of Rostov-on-Don and other settlements. The material for this article was collected charges are bats in the city of Rostov-on-Don. Conducted morphometric, numerical, sex and age analysis of 988 individuals identified in the August-November 2014. All noctule were met in heated shelters associated exclusively with buildings people. Most specimens were collected in the central part of the city in multi-storey buildings.

Keywords: bats, Rostov-on-Don, bats, noctule, *Nyctalus noctula*, anthropogenic landscape.

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UDC 599.426

KUL BAT (*Pipistrellus Kuhlii* Kuhl.) IN THE ROSTOV REGION

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Pipistrellus kuhlii Kuhl. in the Rostov Region marked by the first time in 1975, to date settled in all areas, has become one of the many species of synanthropic settled Chiroptera. Considers the reasons it synanthropization and resettlement. Data used in this article were obtained by the authors in the Rostov Region in the period from 2009 to 2014. Made a comparative characteristics of habitats, breeding and wintering bat Kul. As well, exterior figures were analyzed for all captured individuals.

Keywords: *Pipistrellus kuhlii* Kuhl., Rostov region, settlement, habitat, Chiroptera, synanthropization.

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UDC 636.2:591.111.3

EVALUATION OF THE COWS HEMOSTATIC SYSTEM IN THE CLINICAL FORM OF MASTITIS

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The work on the hemostasis system functioning study in lactating cows under the clinical mastitis form has been performed. Tromboelastography method allowing estimate all the parts of blood clotting system per one test has been used for diagnosis. The concept of tromboelastography TEG5000 work has been described. The result determines that under the mammary gland inflammation in lactating cows a marked activation of hemocoagulation system has been observed.

Keywords: haemostasis, thromboelastogramma, cows, mastitis, clot, fibrin.

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