

## MEDICINAL PROPERTIES - LISSACHATINA FULICA

**Safarova Zakiya Teshayevna**

Lecturer at Bukhara State University  
 Departments Zoology and General Biology  
 e-mail: [zakiyasafarova76@gmail.com](mailto:zakiyasafarova76@gmail.com)

**Asadova Nilufar Yorkinovna**

4th year student of Bukhara State University  
 directions Biology  
 e-mail: [asadovanilu2@gmail.com](mailto:asadovanilu2@gmail.com)

<b>Article history:</b>		<b>Abstract:</b>
<b>Received:</b>	14 <sup>th</sup> July 2022	The article provides information about the widespread use of natural remedies by mankind, the medicinal properties of soft-bodied mollusks and their use in cosmetology.
<b>Accepted:</b>	14 <sup>th</sup> August 2022	
<b>Published:</b>	26 <sup>th</sup> September 2022	
<b>Keywords:</b> Mollusca, Achatines, soft-bodied, gastropods, Mollusca, Gastropoda,stalk-eyed, Stylommatophora, Achatina,land gastropods-Lissachatina, Giant Achatina, Lissachatina fulica.		

Nowadays, when technological progress has led to environmental pollution, the use of natural remedies among people is increasing. Since time immemorial, mankind has been using natural remedies, medicinal plants and representatives of the animal world to restore health. In our research work, we used gastropods of the Achatina breed. This is a mollusk from the subclass of pulmonary snails. It is widely distributed in countries with a tropical climate, a highly invasive species, is a pest of agricultural plants, especially sugar cane. It is on the list of the 100 most invasive species. Currently, the further expansion of the akhatina range has been stopped due to strict quarantine measures. The beginning of the snail invasion in the USA was prevented. In Europe, including in Russia, where the

survival of akhatins in nature is impossible due to climatic conditions, they are often kept as pets.

As in Russia, this mollusk is not found in nature on the territory of Uzbekistan, so they are kept and bred at home. This animal is included in the type of mollusks-soft-bodied - **Mollusca**, class-gastropods - **Gastropoda**, order – stalk-eyed - Stylommatophora, family-Achatines - **Achatina**, genus - land gastropods - **Lissachatina**, view - Akhatina Gigantic - **Lissachatina fulica**.

Breeding these animals at home is fraught with great difficulties. Special containers (plastic containers), special conditions, special soil, temperature and humidity should be created for them. In particular, it is necessary to choose food based on his diet.



**Reproduction of Achatina in containers**

In our research work, we used these animals for cosmetic and medical purposes.



### **The use of snails in cosmetology**

For cosmetic purposes, we used them to remove blackheads in women and men, regardless of gender and age. We were especially approached by teenagers with various services for cleansing the skin of the face and neck.

It was also used to smooth the skin from premature and age-related wrinkles in women. After 10 treatments, the skin became clean and smooth. This was facilitated by snail mucus. Snail mucus contains a significant amount of biologically active substances in



its composition. Among them are amino acids, vitamins, allantoin, elastin, collagen, natural antibiotics in natural form, used by the snail to restore its damaged body, as well as its lime house. Snails produce two types of mucus. One is produced constantly, it promotes easy sliding and lubrication of its own sink. But the second type is produced only at the moment of stress, or with pleasant physical contact. It is this kind that has useful properties and is used in medicine and cosmetology.

### **Treatment of (joint) contusions with snails**

We also used snail mucus in the treatment of capillary hematomas, bruises, restoration of the damaged part of the skin. One of our elderly patients twisted her leg, got a bruise, a subcutaneous capillary hematoma was formed. Here, too, we used Achatins, or rather their mucin, put the mollusk in the area of the damaged part of the leg every other day for a whole month, the swelling began to subside after a week. Of course, it was an auxiliary treatment.

Nature has extremely generously endowed snail meat with vitamins. There are: vitamin A (retinol), vitamin B1 (thiamine), vitamin B2 (riboflavin), vitamin B6 (pyridoxine), vitamin B9 (folic acid), vitamin B12 (cobalamin), vitamin E, vitamin K (phyloquinone), vitamin PP (niacin equivalent).

it includes valuable micro- and macroelements: iron, zinc, selenium, calcium, sodium. The mollusk is incredibly rich in magnesium, potassium,

Snails are especially useful in conditions requiring regeneration and strengthening of bone tissue – these are chondrosis, bone tuberculosis and radiation sickness.

### **LIST OF USED LITERATURE:**

1. Westheide V., Rieger R. From protozoa to mollusks and arthropods // Zoology of invertebrates. — Moscow: Association of Scientific Publications of the CMC, 2008. — Vol.
2. Safarova Z. T., Khomitova G. Sh. BIOTECHNOLOGY-INCREASING THE PRODUCTIVITY of DOMESTIC CHICKENS //Central Asian Academic Journal of Scientific Research. – 2022. – Vol. 2. – No. 7. – pp. 146-149.
3. Safarova Z. T., Asadova N. E. DANTON'S BONFIRE-BROMUS DANTHONIAE //Universum: chemistry and biology. – 2022. – №. 6-1 (96). – Pp. 5-8.