

E.A. Lukbanova

The Unique Properties of Molluscan Mucin to Reveal New Opportunities in Treatment of a Number of Diseases

Abstract: Currently, active research is being carried out concerning the biological properties of mucin of the *Lissachatina fulica* mollusk. This substance has a unique composition. Moreover, each of its individual components exhibits different biological activity. It is known that molluscan mucin has the anti-inflammatory, regenerating, antioxidant, antibacterial and antitumor properties. This results in the wide application of mucus in cosmetology and medicine. However, at present, the full range of biological properties of mucin and the possibility of its use as the main active ingredient of the anti-inflammatory, antibacterial and antitumor drugs have not been studied. Moreover, the research into the mechanisms of the effects imposed by the individual components of the molluscan mucin is still relevant.