Editorial

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We present to your attention the next thematic issue of the journal *Nanobiotechnology Reports*, dedicated to the results of research by natural scientific methods of objects of cultural heritage of various origins and nature.

This interdisciplinary direction at the junction of natural and humanitarian knowledge, historical materials science, has been formed for a long time. By the beginning of the 20th century traditional historical methods of extracting information from written and archaeological sources, although they have not lost their importance, have largely exhausted their capabilities.

At the present stage of the development of science, the source study capabilities of ancient artifacts and manuscript records can be significantly expanded through the study of the properties and characteristics of the materials from which they are created. The world's leading museums and research organizations conduct joint research on various objects. This is an established global trend.

Analyzing, together with physicists and chemists, the data of material science research, historians and art historians can determine the likely place and time of the creation of artifacts, the technology of their

manufacture, and the path of distribution, possibly the initial appearance and subsequent changes during use, storage, and restoration.

Thus, objects of cultural heritage become material sources on the history of past centuries, the level of technology development, trade and international relations, and people's lives.

The articles presented in this issue cover studies of cultural heritage objects of various origins, eras, and regions: from jewelry and coins of medieval and ancient Crimea, Old Russian manuscripts, to ancient rock paintings of the Middle Urals and lacquer artifacts from burial grounds in Buryatia.

The results, new data, and facts presented in this issue will undoubtedly complement the diverse history and culture of our multinational country.

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