UDC 81'276.6

THE ROLE OF CHEMISTRY IN TRADITIONAL FILM PHOTOGRAPHY

© Kolesnikov R.M., Chepurnov N.I., Kosharskaya E.V.

Samara National Research University, Samara, Russian Federation

E-mail: romarius02@mail.ru

We learned the most important chemical processes [1–4] in traditional film photography and, to improve understanding, found photographs of them [9; 10]. 1. It was found that the first reactions associated with photography are entirely based on the decomposition of silver salts under the influence of light [3, 7].

2. We investigated the classical ways in photo: Daguerreotype and Calotypy [5; 6; 8]. Found the reactions and sequence of actions, features of them [4].

References

- 1. Chibisov K.V. Essays on the history of photography. M., 1987. 246 p.
- 2. URL: https://ru.wikipedia.org/wiki/Chronology_Photos.
- 3. Brief chemical encyclopedia. M.: Soviet encyclopedia, 1961... 1967. V. I.
- 4. Chalmers L. Chemicals in everyday life and industry. L.: Chemistry, 1969. 528 p.
- 5. Alekseev Alexey. Wet collodion process. Eternal collodion.
- 6. Maxim Tomilin. Fox Talbot and the two-stage photographic process (Russian) // Photo shop. 1998. No. 12. P. 60–72.
- 7. Vladimir Levashov. Lecture 1–2–3. Prehistory and discovery of the medium // Lectures on the history of photography / Galina Elshevskaya. 2nd ed. 464 p.
- 8. Hacking Juliet. The Birth of Photography // Photography. The World History. M.: Magma, 2018. 576 s.
 - 9. Megna Richard. Fundamental Photographs. M., 1995.
- 10. Novel non-resorbable polymeric-nanostructured scaffolds for guided bone regeneration // Manuel Toledano, Raquel Osorio, Daniel Torres-Lagares [et al.].