

Abstract:

This rigorous thesis deals with a study of the interaction between sodium lauryl sulphate and organic dye neutral red utilizing fluorescence spectroscopy.

The aim of this work was to verify interactions of tenside and organic dye in their solutions, which were indicated in my diploma thesis, by a further method. The work serves as the introductory basis for a possible utilization of fluorescence measurement with polarized light in biomedical and gerontological research.

A study of the solutions gave very interesting results that indicate the formation of aggregates. But the question, if the aggregates are of highly arranged type or disarranged type, remains.