

**THE SPECTROPHOTOMETRIC IDENTIFICATION
OF PROANTHOCYANIDINS BY CONDENSATION
WITH 4-(DIMETHYLAMINO)CINNAMALDEHYDE**

© *O. A. Yorshik*,¹ *G. N. Buzuk*

Vitebsk State Medical University, Republic of Belarus

¹E-mail: SLAWAVGMU@mail.ru

SUMMARY

The 4-(dimethylamino)cinnamaldehyde was proposed as a reagent for identification of proanthocyanidin in plants by spectrophotometry. It was shown that its reaction with proanthocyanidin resulted in the coloured products. The optimal conditions for the reaction were established. The method of spectrophotometric identification of proanthocyanidins in *Comarum palustre* L. and *Thuja occidentalis* L. was developed.

Key words: 4-(dimethylamino)cinnamaldehyde, flavan-3-ol, proanthocyanidin, spectrophotometry.