

Class 11

Concluding thematic block on the theme: " Coumarins, chromones, tannins and lignans".

THEORETICAL PART

1. Coumarins. Concept. Classification.
2. Physico-chemical properties of coumarins.
3. Distribution, localisation, biogenesis of coumarins.
4. Analysis of raw materials containing coumarins (qualitative and quantitative).
5. Medico-biological significance of coumarins.
6. Medicinal plants and raw materials containing coumarins:
 - species of *Milelotus*;
 - parsnip;
 - fig;
7. General characterisation of chromones.
8. Medicinal plants and raw materials containing chromones:
 - vegetable dill.
9. Medicinal plants and raw materials containing lignans:
10. General characterisation of lignans.
 - *Schisandra chinensis*;
 - *eleutherococcus*;
11. Nature and classification of tannins.
12. Physico-chemical properties of tannins.
13. Distribution of tannins in the plant world, localisation in plants. Influence of factors on the accumulation of tannins.
14. Analysis of raw materials containing tannins (qualitative and quantitative).
15. Medicinal plants and raw materials containing tannins:
 - Oak species;
 - common bird cherry;
 - species of alder;
 - *scumpia*;
 - sumac tannic;
 - *Potentilla erecta*;
 - *Polygonum bistorta*;
 - *Sanguisorba officinlais*;