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In a comparative anatomical investigation in Lotus corniculatus (Sz.-Borsos, 1972), the following conclusions have been reached:

1. An examination of individual taxa of L. corniculatus sp. aggr. made it possible to clarify the anatomical structure of the stem, and to analyse the various tissue components.
2. The many observations made on the different taxa have provided an appropriate basis for their comparison and has resulted in the recognition of concrete differences between the different kinds of tissues.
3. The establishment of a connection between the morphological characteristics of the taxa, anatomical structure, and criteria for the systematic differentiation of the taxa has not been possible for most kinds of tissues. The structure of neither the sclerenchyma, nor the chlorenchyma can be used as a systematic characteristic for species or infraspecific recognition of the taxa, since these structural differences appear to be connected mostly with environmental and ecological factors, rather than taxonomic differences. The structure of the vascular tissue system varies the greatest. Definite differences can be noted between taxa, although certain ecological factors have an influence here also.
4. A definite relationship has been established between tissue differentiation and ecological habitat. Further investigations are in progress.

References

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