

- REISFELD, R. A., LEWIS, V. J., WILLIAMS, D. E.: Disc electrophoresis of basic proteins and peptides on polyacrylamide gels. — *Nature* **195** : 281–283, 1962.
- REISNER, A. M., NEMES, P., BUCHHOLTZ, C.: The use of Coomassie Brilliant Blue G-250 perchloric acid solution for staining in electrophoresis and isoelectric focusing on polyacrylamide gels. — *Anal. Biochem.* **64** : 509–516, 1975.
- ŠKVAŘIL, F.: [Micromodification of immunoelectrophoresis.] In Czech. — *Chem. Listy (Praha)* **9** : 1069–1080, 1961.
- ŠVACHULOVÁ, J., TURKOVÁ, V., KLOZOVÁ, E.: The comparison of lectins from albumin complexes of certain representatives of the species *Phaseolus vulgaris*. — *Biol. Plant.* **25** : 43–49, 1983.
- TAKAHASHI, T., ITOH, M., SHIMABAYASHI, Y.: Aggregation and fragmentation of *Phaseolus vulgaris* lectin. — *Agr. biol. Chem.* **44** : 1655–1657, 1980.
- VALDEBOUZE, P., BERGERON, E., GABORIT, T., DELORT-LAVAL, J.: Content and distribution of trypsin inhibitors and hemagglutinins in some legume seeds. — *Can. J. Plant Sci.* **60** : 695 to 701, 1980.

Figs. 3–5 at the end of the issue.

BOOK REVIEW

GORSHKOVA, A. A., SEBEL'NIKOV, V. P. (ed.): NETRADITSIONNYE METODY V ISSLEDOVANIYAKH RASTITEL'NOSTI SIBIRI. [Non Traditional Methods in Investigation of the Siberian Vegetation.] — Nauka, Novosibirsk 1982, 128 pp. 1.4 Rb.

This booklet is a collection of papers submitted at a symposium. There are in all 13 papers, some of them dealing with phytogeographical or phytocenological topics, but in the majority they discuss problems concerning plant physiology or anatomy.

Gorshkova A. A. (Importance of ecophysiological methods in vegetation investigation) discusses interrelations between ecophysiology of steppe plants and the classification of the Siberian steppe plant communities. A group of cryoxerophytes is described, contributing to the understanding of soils and vegetation of the Transbaikalian Siberia.

Khavkin E. E. *et al.* (Chemotaxonomic investigation of grass proteins) deals with chemotaxonomic methods, especially with respect to the protein markers in cultivated grasses and to the protein polymorphism in natural and cultivated populations. Especially interesting are antigen properties of storage globulins and electrophoretic properties of proteins with enzymatic activity. Methods of serological analysis and identification of isoenzyme patterns are described.

Polyakova L. V. and Ershova E. A. (Investigation of biochemical characteristics in some *Fabaceae* in relation to their natural ecotops) show the correlation between the highly variable phenolic contents in *Medicago falcata* and *Oxytropis* sp. div. and their ecotops.

Rachkovskaya M. M. *et al.* (Pigment system as phytoindicator of plant condition under industrial emissions) found that pigments react intensively to the concentration of SO₂ in atmosphere. Especially the lowering of green pigments in relation to the yellow ones significantly shows lowered vitality of plants.

Three of the remaining papers deal with plant anatomy with respect to their introduction or to their development.

The booklet contains interesting items from a relatively little known field.

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