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**P-Protein Structure in Functional and Non-Functional Secondary Phloem in *Armeniaca vulgaris* Lam. (Rosaceae)**

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**Abstract:** P-proteins (phloem proteins) and their conformational changes in the functional and non-functional sieve elements in secondary phloem of *Armeniaca vulgaris* Lam. (Rosaceae) were examined with an electron microscope. Scattered throughout the cell, the fibrillar components of p-protein in active sieve elements were much denser sieve plate surfaces. P-proteins in inactive sieve elements, different from those of active ones, were observed to appear as disordered, short, thread-like fibrils with fern-like crystalline structure.

**Key Words:** p-protein, *Armeniaca vulgaris* Lam., secondary phloem

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