Thematic Section: Biochemical Research. **Full Paper**
Subsection: Composition of Plant Raw Materials. *Registration Code of Publication:* 14-39-8-127
Publication is available for discussion in the framework of the on-line Internet conference "*Chemical basis for the rational use of renewable natural resources*". http://butlerov.com/natural_resources/ *(English Preprint)*
Contributed: December 11, 2014.

Ellagitannins in Rosaceous plants from the flora of Sakha (Yakutia) Republic

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Keywords: ellagitannins, chemo-diversity, Sakha (Yakutia), HPLC.

Abstract

A study of ellagitannins chemo-diversity in the aerial part of members of Rosaceae family from the Republic of Sakha (Yakutia) was carried out. Among 29 investigated species the presence of ellagitannins was detected only in 18 species belonging to subfamily Rosoideae. Some compounds were discovered in species at the first time, including agrimoniin in *Fragaria orientalis* and *Comarum palustre*, gemin A in leaves of *Geum urbanum*; pedunculagin in *Rubus idaeus*, sanguiin H-6, lambertianins C, D and pedunculagin in *Rubus arcticus*, *R. matsumuranus* and *R. saxatilis*, rugosins A, B_1, B_2, D, E_1, E_2, tellimagrandins I_1, I_2 and II in *Rosa acicularis*, *R. majalis* and leaves of *R. rugosa*, rugosins A, D, E_1 and E_2 in leaves of *Rosa canina*.