Registration Code of Publication: 12-32-13-118

Subsection: Chemical Composition of Plants.

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/ Contributed: December 7, 2012.

Investigation of the *Scrophulariaceae* plants as an example of informational analysis of database «TIBETAN MEDICINE»

© Galina V. Chekhirova,** Daniil N. Olennikov, Tamara A. Aseeva, and Natalia A. Kuznetsova Laboratory of Medical and Biological Research. Department of Biologically Active Substances. Institute of General and Experimental Biology. Siberian Division. Russian Academy of Science. Sakh'yanovoi St., 6. Ulan-Ude, 670047. Russia. Phone: +7 (3012) 43-47-43. Fax: +7 (3012) 43-47-43. E-mail: gchehirova@mail.ru.

Keywords: Scrophulariaceae, Pedicularis, tibetan medicine, database, iridoids, phenylpropanoids.

Abstract

The data on using Scrophulariaceae plants are presented. On the example of the genus *Pedicularis* the validity of information about plants medical application in the Tibetan sources has been shown. The analysis of the indications for using the plants raw of one genus having the same Tibetan name, in particular genus *Pedicularis*, and the study of the content of biologically active substances in different species of this genus helps to streamline the information included into the automated database "Tibetan Medicine" and identifies the most perspective directions of plants research.

^{*}Supervising author; *Corresponding author