

Plants of Mongolia

A Virtual Approach

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Plant Determination

- E-Taxonomy (species descriptions online), Virtual Herbaria (specimens and photos online), and Digital Key (in progress)
- Useful for scientists in applied projects, specialists in plant taxonomy, students of biological sciences, ecologists, amateur botanists, tourists: all people which are fascinated by the nature, beautiful plants and impressive photos

Search Plant Database

A B **C** D E F G H I J K L M N O P Q R S T U V W X Y Z

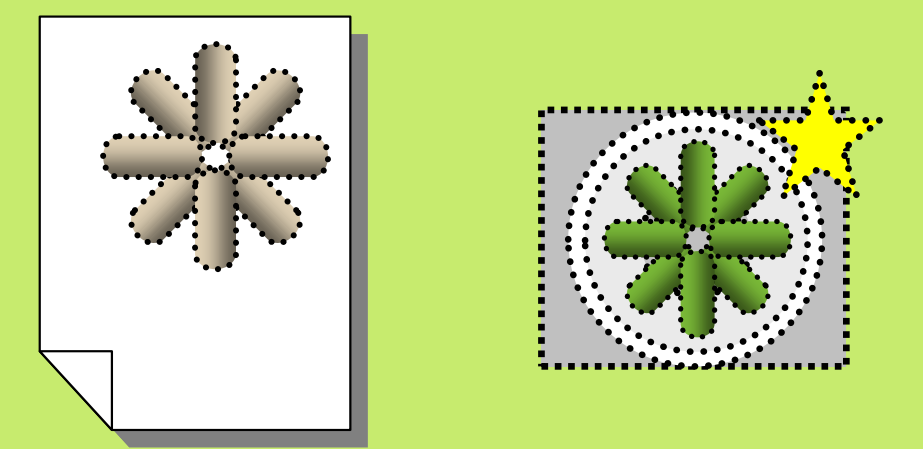
Available Taxa

Family: Chenopodiaceae
Genus: 25
Species: 99

Available Records

1225 herbar sheets
127 photo records
In 96 species

Images



Family: Chenopodiaceae (Tribe: Chenopodieae)
Scientific name: **Chenopodium hybridum L.**
Name acc. to: Gubanov 1996
Description: leaves palmately lobed with 2-5 teeth each side, base at least slightly cordate, petiole long: 1/3 to 2/3 of blade; inflorescence rather loose panicle, flowers with 5 perianth segments; seeds large 1.5-2 mm in diameter, seed coat surface with craterlike pits, perianth segments not concealing seed
Confuse with: Ch. rubrum (differentiate by smaller seeds)
Comments: for differentiation into subsp. see *FC
Habitat: Slopes of mountains and hills in shade of rocks and stones, screes, shrubberies, tree shade, slopes and bottom of canyons and creek valleys, deep beds of saysrs, sparsely (Grubov 2001).
Growthform: herbs annual (acc. to Flora of China 1994-)
Link to Flora of China: http://www.efloras.org/browse.aspx?flora_id=2&name_str=Chenopodium+hybridum
Distribution: Khentei, Khangai, Mongol-Daurian, Great Khingan, Mongolian Altai, Middle Khalka, East Mongolia, Depression of Great Lakes, Valley of Lakes, Gobi-Altai, Dzungarian Gobi, Transaltai Gobi, Alashan Gobi (acc. to Gubanov 1996)
Distribution in Khangay: eastern district, southern district (acc. to Byazrov et al. 1989)

[open map in a new window](#)

Chenopodiaceae **Chenopodium hybridum L.**
Collected by: K.-F. Günther et M. Schnittler, 02.09.2007, Coll.No. 27888
Determined by: K.-F. Günther et M. Schnittler
Confirmed by: Rilke, Sabrina, 3.9.08
Flowering status: adult, fruiting
Comments for presentation: seeds 2 mm in diameter
Herbarium: **Herbar K.-F. Günther** Private herbarium K.-F. Günther, Buchaer Str. 6 b, D-07745 Jena, Germany

herbar scan

Country: Mongolia Province: Khovd District: Dörgön
Locality: Seer, canyon of the Chono-Kharaykhyn Gol river, Mongolei, Khovd-Aimak, Senke der Großen Seen, Kara ussu-See (Khar Us Nuur), 12,5_km südöstl. Durgun (Seer)
Coordinates: Geogr. Coord. 92.794700 (lon) 48.314400 (lat) decimal Prec: 500 m
Altitude: 1155 ± 25 m

Habitat: rocky, S-exp. side canyon in granite rocks, near the camp-place, auf Felsgeröll



Components of the Information System

E-Taxonomy

- 2,871 Mongolian plant species listed
- 264 synonym names
- Taxon description for 1,256 plant species
- Habitat description, red list status, distribution available for all species

Last updated 04/2013

Virtual Herbarium

- 10,766 plant records listed (covering 1,249 plant species) from 26 herbaria
- 2,513 scans of herbarium specimen
- 10,081 species photos from 12 photographers
- 1,081 macro photos
- 2,386 habitat photos

Last updated 04/2013

Digital Key

- Multi Access Key (Random Access Key) for interactive determination
- Considering phylogeny, but main focus on characteristic features; sometimes crossing borders of families
- Presentation of key features according to users' previous knowledge

Partners: Academy of Science of Mongolia, State University of Khovd, Herbaria: HAL, GAT, JE, GFW, B, KAS, LE, WU, OSBU and more

Next Steps: Increase the coverage rate of species with records (currently 43% of species are covered with records), Extend digital key from family and genera to species level, Apply to other regions in central asia, Gain further project partners