

## New Taxa of Korean Flora (3)

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韓國의 新分類群(新種, 新變種과 新品種) 植物에 對하여 (3)

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### ABSTRACT

This paper is proposed to describe three new species, two varieties and one form of flowering plants from central Korea and the Island of Cheju in southern Korea. The taxa of new plants are as follows: *Astragalus koraiensis* Y. Lee, sp. nov.; *Astragalus nakaianus* Y. Lee, sp. nov.; *Commelina minor* Y. Lee & Oh Y., sp. nov.; *Cirsium rhinoceros* Nakai var. *albiflorum* Y. Lee, var. nov.; *Tripterospermum japonicum* (Sieb. & Zucc.) Max. var. *albiflorum* Y. Lee, var. nov.; *Adenophora remotiflora* (Sieb. & Zucc.) Miq. form. *albiflora* Y. Lee, form. nov.

#### *Astragalus koraiensis* Y. Lee, sp. nov. 정선활기(신칭)

Perennis herba caespitosa ca. 30 cm alta. Folia impari-pinnata, foliola 15~21, elliptica, supra glabra, infra pubescentia, ca. 16 mm longa, ca. 8 mm lata, apice acuta. Stipulae lanceolatae, oppositae, ca. 8 mm longae, ca. 2 mm latae. Inflorescentiae capita-racemosae, rachi 2.5~3 cm longae, florum papilionaceae. Corolla flavens ca. 6 mm longae, ca. 5 mm lata, vexillum ovatum ca. 10 mm longum, ca. 4 mm latum, alae ca. 9 mm longae, ca. 2.5 mm latae, unguiculatae. Auricula ca. 8 mm longa, 4 mm lata. Calyx campanulatus pubescentia, 5 dentatae apicae. Legumina cylindrica 2.5 mm longa, ca. 4 mm lata, apice curvata (Plates 1 and 3).

Hab. Kollchari, Chongsunkun, Kangwon Province, Aug. 1, 1977. Collected by Yong No Lee.

Type in Herbarium, Ewha Womans University, Seoul, Korea.

Perennial herb caespitose, stem about 30 cm long. Leaf odd-pinnate, 7~10 paired leaflets. Leaflet elliptic, adaxial surface glabrous, abaxial surface pubescent, the largest one 16 mm.

long, 8 mm wide, pointed at the apex. Stipule lanceolate, 8 mm long, 2 mm wide. Inflorescence a headlike raceme, floral axis 2.5~3 cm long. Flower papilionaceous, yellow, corolla 6 mm long, 5 mm across, standard ovate, 10 mm long, 4 mm wide, clawed. Wing 9 mm long, 2.5 mm wide, Keel 8 mm long, clawed. Calyx pubescent, 5 toothed. Fruits clustered, legume cylindrical, 2.5 mm long, 4 mm wide, hooked at the apex.

The taxon is similar to *Astragalus bhotanensis* Baker, but differs in having yellow flowers, shorter floral axis, and the taxon growing on calcinate rock areas.

***Astragalus nakaianus* Y. Lee, sp. nov. 제주황기**

*Astragalus membranaceus* var. *alpinus* Nakai, Veg. Quelpaert, p. 54 (1914). nomen nud.

Perennis herba, caespitosa, ramosa, ca. 15~20 cm longa. Internoda 1~2 cm longa. Folia imparipinnata, foliolata opposita, 5~10 juga, elliptica, ca. 5~10 mm longa, 4~5 mm lata, supra glabrescentia, infra pubescentia. Stipula lanceolata 9 mm longa, 4 mm lata, gradatim acuminata. Inflorescentia dense racemi. Calyx campanulatus, 5 mm longus, apice 5 dentatus, supra pilosus. Corolla flavensa, papilionaceae 8 mm lata, vexillum ca. 14 mm longa, 6 mm lata, alae ca. 8 mm longa, 2 mm lata (Plates 1 and 2).

Hab. Above 1,500 m on Halla mountain in Cheju Province. Aug. 9, 1957. Collected by Yong No Lee.

Type in Herbarium, Ewha Womans University, Seoul, Korea.

Perennial herb, caespitose, stem 15~20 cm long, internode 1~2 cm long. Leaf odd-pinnate, 5~10 paired leaflets. Leaflet elliptic, 10 mm long, 4~5 mm wide, adaxial surface glabrous, abaxial surface pubescent. Stipule lanceolate, 9 mm long, 4 mm wide, gradually acuminate. Inflorescence a clustered raceme. Calyx tube 5 mm long, 5 toothed, pilose the above. Corolla yellow, papilionaceous, 8 mm across. Standard 14 mm long, 6 mm wide, wing 8 mm long, 2 mm wide. The taxon is similar to *Astragalus membranaceus*, but differs in having very small leaflets and tufted stems and it also grows on volcanic soils of Halla mountain.

***Commelina minor* Y. Lee, & Oh Y, sp. nov. 애기닭의장풀(신칭)**

Annualis herba caespitosa 15~30 cm alti. Folia lanceolata, ca. 7.7 cm longa, ca. 2.8 cm lata, vaginata glabra. Bracteata uni flabellata, glabra, ca. 12 mm longa, 11 mm lata. Florae rosa-pallescensae, petalae 3. Macropetalae 2, 10 mm longa, micropetala 1, rudimenta (Plates 1 and 4).

Hab. Daeshinri, Kuksu, Kyonggi Province, Sept. 10, 1972. Collected by Yong No Lee & Oh, Yong Cha.

Type in Herbarium, Ewha Womans University, Seoul, Korea.

Annual herb, tufted, 15~30 cm tall. Leaf lanceolate, 7.7 cm long, 2.8 cm wide, leaf sheath glabrous. Involucre one, rounded fan shaped, usually folded in a half moon shape, 1.2 cm long, 1.1 cm wide, glabrous. Flower more or less pale pink, petals 3, the large petals 2,

small petal one.

The taxon is similar to *Commelina communis* Linné, but differs in having smaller flowers and leaves and also pale pink flowers.

***Cirsium rhinoceros* Nakai var. *albiflorum* Y. Lee, var. nov. 흰바늘엉겅퀴(신칭)**

Var. affinis *Cirsium rhinoceros* Nakai sed albidus flos plantae differt.

Hab. Above 1,500 m Halla mountain, Cheju Province, Korea. Sept. 30, 1978. Collected by Yong No Lee.

Type in Herbarium, Ewha Womans University, Seoul, Korea.

***Tripterospermum japonicum* (Sieb. & Zucc.) Max. var. *albiflorum* Y. Lee, var. nov. 흰덩굴용담(신칭)**

Var. affinis *Tripterospermum japonicum* (Sieb. & Zucc.) Max. sed albidus flos plantae differt.

Hab. Whang Turume Valley, Halla mountain, Cheju Province, Korea. Sept. 30, 1978. Collected by Yong No Lee.

Type in Herbarium, Ewha Womans University, Seoul, Korea.

***Adenophora remotiflora* (Sieb. & Zucc.) Miq. form. *albiflora* Y. Lee, form. nov. 흰모시대**

Form. affinis *Adenophora remotiflora* (Sieb. & Zucc.) Miq. sed albidus flos plantae differt.

Hab. Odae mountain, Kangwon Province. Aug. 17, 1974. Collected by Yong No Lee.

Type in Herbarium, Ewha Womans University, Seoul, Korea.

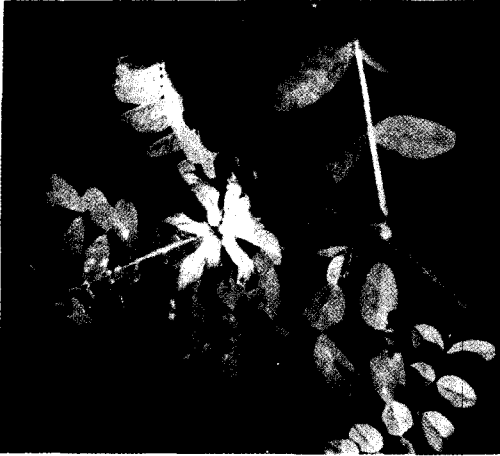
摘 要

韓國의 新分類群 植物에 대하여 3新種, 2變種과 1品種을 다음과 같이 발표하는 바이다.

*Astragalus koraiensis* Y. Lee 정선황기; *A. nakaianus* Y. Lee 제주황기; *Commelina minor* Y. Lee & Oh Y. 애기닭의창풀; *Cirsium rhinoceros* Nakai var. *albiflorum* Y. Lee 흰바늘엉겅퀴; *Tripterospermum japonicum* (Sieb. & Zucc.) Max. var. *albiflorum* Y. Lee 흰덩굴용담 *Adenophora remotiflora* (Sieb. & Zucc.) Miq. form. *albiflora* Y. Lee 흰모시대.

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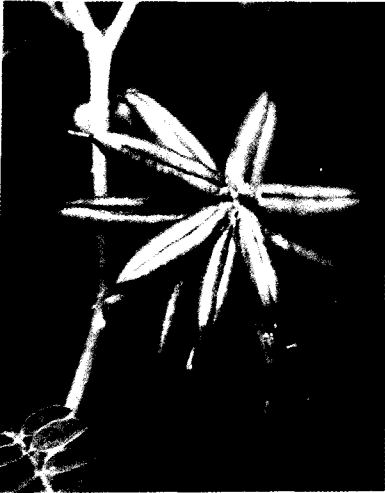
## PLATE



①



②



③



④

## Explanation of Plates

1. Flower head of *Astragalus koraiensis* Y. Lee.
2. *Astragalus nakaianus* Y. Lee.
3. Fruits of *Astragalus koraiensis* Y. Lee.
4. *Commelina minor* Y. Lee & Oh Y.