

**Zeitschrift:** Candollea : journal international de botanique systématique = international journal of systematic botany  
**Herausgeber:** Conservatoire et Jardin botaniques de la Ville de Genève  
**Band:** 38 (1983)  
**Heft:** 2

**Artikel:** A new species of the genus Gagea Salisb. (Liliaceae)  
**Autor:** Dasgupta, Syamali / Deb, D.B.  
**DOI:** <https://doi.org/10.5169/seals-879877>

### **Nutzungsbedingungen**

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften auf E-Periodica. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. Das Veröffentlichen von Bildern in Print- und Online-Publikationen sowie auf Social Media-Kanälen oder Webseiten ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. [Mehr erfahren](#)

### **Conditions d'utilisation**

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. La reproduction d'images dans des publications imprimées ou en ligne ainsi que sur des canaux de médias sociaux ou des sites web n'est autorisée qu'avec l'accord préalable des détenteurs des droits. [En savoir plus](#)

### **Terms of use**

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. Publishing images in print and online publications, as well as on social media channels or websites, is only permitted with the prior consent of the rights holders. [Find out more](#)

**Download PDF:** 18.04.2026

**ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>**

# A new species of the genus *Gagea* Salisb. (Liliaceae)

SYAMALI DASGUPTA

&

D. B. DEB

## RÉSUMÉ

DASGUPTA, S. & D. B. DEB (1983). Une nouvelle espèce du genre *Gagea* Salisb. (Liliaceae). *Candollea* 38: 477-479. En anglais, résumé français.

Description d'une espèce nouvelle du genre *Gagea* Salisb.: *G. chitralensis* du Pakistan et du sud-est de l'URSS.

## ABSTRACT

DASGUPTA, S. & D. B. DEB (1983). A new species of the genus *Gagea* Salisb. (Liliaceae). *Candollea* 38: 477-479. In English, French abstract.

One new species of *Gagea* Salisb. – *G. chitralensis* from Pakistan and S.E. USSR is described.

Taxonomic revision of the genus *Gagea* Salisb. in India and adjoining regions reveals the presence of 12 species which includes 2 new discovery and 5 recording the extension of distribution in the region. Of the 2 new species, *G. chitralensis* belonging to the subgen. *Hornungia* has been discovered from the material so kindly sent on loan from the herbarium, British Museum (Natural History), London. Other members of the subgenus occur in Western and Central Asia and South East Europe.

***Gagea chitralensis* Dasgupta & Deb, spec. nova (Fig. 1).**

**Holotypus:** Pakistan, Chitral, *S. A. Bowes Lyon 611* (BM). **Paratypus:** Tashkent, *Vvedensky 53* (CAL).

Differt ab *G. reticulata* (Pall.) Schultes f. plantis parvioribus delicatis, caulibus foliis paucis, curvatis, floris solitaris, pedicellis perianthiisque glabris.

Allied to *G. reticulata* (Pall.) Schultes f. differing in smaller delicate plants, few curved cauline leaves, solitary flower and glabrous pedicels and perianth.

Herbae 2-5 cm longae, parvae, gregariae, bulbiferae; bulbi 4-6 × 2-3 mm, ovoidei, brunnei, basi folii carnosii, solitarii formantes, basibus 2-3 foliorum, radicalium annorum praecedentium circumcincti; bulbeli evoluti basi radicalis folii carnosii. Folium radicale, 4-8 × ± 0.05 cm, lineare, inflorescentiam superans. Caulis teres, glaber. Folia caulina a bractea indistincta. Flores bisexuales, hypogyni, terminales, 7-8 mm longi, campanulati; pedicelli usque ad 2 cm longi, filiformi, glabri; bractee 4, usque ad 15 × ± 0.7 mm, foliaceae, lineares. Perianthia biseriata, segmenta 6, libera, 7-8 × 1.5-2 mm, lanceolata, exteriora angustiora, breviora, interiora latiora, glabra, acuta; venis 3, medianis. Sta-

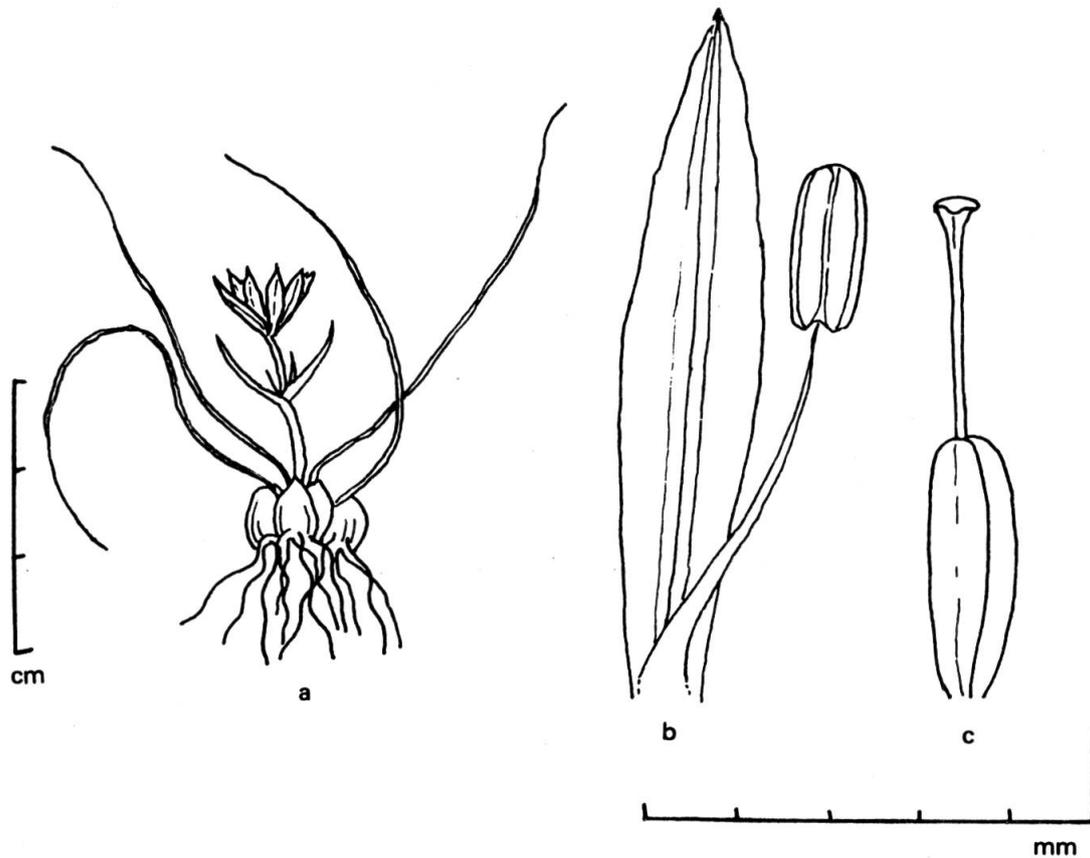


Fig. 1. — *Gagea chitralensis* Dasgupta & Deb  
a, habit; b, perianth segment with stamen; c, pistil.

mina 6, libera; fila 4-4.5 × ±0.5 mm, subulata, parianthii basi adherentia; antherae ± 1.5 × ±0.7 mm, oblongae, basifixae, dehiscentes, latrorsae. Pistilla syncarpa, tricarpellata; ovarium sessile, 3-3.5 × 0.5-0.7 mm, anguste oblongum, triloculare, triquetrum; stylus ± 7.5 × 0.5 mm, triquetrus, linearis; stigma trifidum, truncatum. Fructus non visus.

Herbs 2-5 cm long, small, gregarious, bulbous; bulbs 4-6 × 2-3 mm, ovoid, brown, formed of solitary fleshy radical leaf base, surrounded by 2-3 previous years' radical leaf bases; bulbels developing at the base of the fleshy radical leaf. Radical leaves 4-8 × ± 0.05 cm, linear, exceeding the floral shoot. Stem small, terete, glabrous. Cauline leaves indistinct from the bracts. Flowers bisexual, hypogynous, terminal, 7-8 mm long, campanulate; pedicel up to 2 cm long, filiform, glabrous; bracts 4, up to 15 × 0.7 mm, foliaceous, linear. Perianth segments 6, free, biseriate, 7-8 × 1.5-2 mm, lanceolate, outer narrower, shorter, and inner longer, broader, glabrous, acute, with 3 median veins. Stamens 6, free; filaments 4-4.5 × ±0.5 mm, subulate, attached at the base of the perianth; anthers ± 1.5 × 0.7 mm, oblong, basifixed, latrorsae. Pistil syncarpous, tricarpellary; ovary sessile, 3-3.5 × 0.5-0.7 mm, narrowly oblong, trilobed, triquetrous; style ± 7.5 × 0.5 mm, triquetrous, linear; stigma trifid, truncate. Fruit not seen.

#### *Distribution*

Pakistan and S.E. USSR.

#### ACKNOWLEDGEMENT

The authors record their gratitude to the Keeper, British Museum (Natural History), London for supplying specimens and the Director, Botanical Survey of India, Howrah for facilities to conduct the work.

