



NOTE

***Sanguisorba minor* Scop. (Rosaceae), A New Addition to the Indian Flora**

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ABSTRACT: *Sanguisorba minor* Scop., is being reported for the first time from India. We provide line drawing of the specimen of *S. minor* in support of our treatment and to facilitate identification of the species.

KEY WORDS: India, new report, Rosaceae, *Sanguisorba minor*.

INTRODUCTION

Of the 85 genera, belonging to family Rosaceae globally (Mabberley, 2008), only 25 have been reported from India (Hooker, 1879). Genus *Sanguisorba* L. globally is represented by about 30 species distributed in Asia, Europe and North America (<http://www.eflora.org>). Hooker, J. D. (1879) while describing family Rosaceae in India has not mentioned the genus *Sanguisorba* L.; however he has described four species of *Poterium* L. from British India (three from India and one from Pakistan). *Sanguisorba minor* Scop. was included in genus *Poterium* L. on the basis of a specimen from Pakistan (Wazuristan) collected by J. L. Stewart (Hooker, 1879). Recently published alien flora of India by Khuroo *et al.* (2012) also does not include any member of the genus *Sanguisorba* L. During the course of exploration of plant diversity in the Kashmir valley, the authors collected the specimen of *Sanguisorba minor* Scop. (Rosaceae), growing on slopes, among the boulders etc. around the area from Nehru Park to Chesmashahi, in the Srinagar. The voucher specimens have been deposited in the KASH (Herbarium of the Department of Botany, at Centre for Biodiversity and Taxonomy, University of Kashmir, Srinagar). The species is native to Europe (Stace, 1997; Germplasm Resources Information Network (GRIN) of the United States Department of Agriculture) and is well established in our area, growing on pebbly soils, among rocks in dense vegetation and is most probably now naturalised, but still restricted along foothills of Zabarwan range. The species has presumably come to our area with the luggage of tourists as this area is a world famous tourist destination.

TAXONOMIC TREATMENT

Sanguisorba minor Scop., Fl. Carn. ed. II; 1:110. 1771.
Poterium polygamum Waldst. & Kit., Descr. Icon.
Pl. Rar. Hung. 2: 217, t. 198. 1805.

小地榆 Fig. 1

A perennial herb, 60–105 cm tall, branched; stem glabrous; leaves pinnately compound with 7–11 leaflets; leaflets orbicular or ovate, lower ones alternate and upper ones opposite, deeply and sharply serrated, increasing in size upwards; petiolules short, 3–9 mm long; stipules leafy, 6–9 mm long, adnate; inflorescence a head, globose or slightly elongated; flowers hermaphrodite, with 3–4 hairy bracteoles, 3–4 mm long, hairs bicelled; sepals 4, 5 mm long, green and purple, apetalous; stamens 4, carpel 1; fruiting hypanthium often with undulate wings on angles, the face irregularly rugose (Fig. 1).

Specimens examined: INDIA: Jammu and Kashmir, Srinagar, Nehru park to Chesmashahi, along the bank of Dal lake, in almond orchards on right side, 2nd May 2011 SM Andrabi collection no. 351a,b,c,d (KASH), 351e (Kew). Waheeda Rehman collection no. 151 (KASH).

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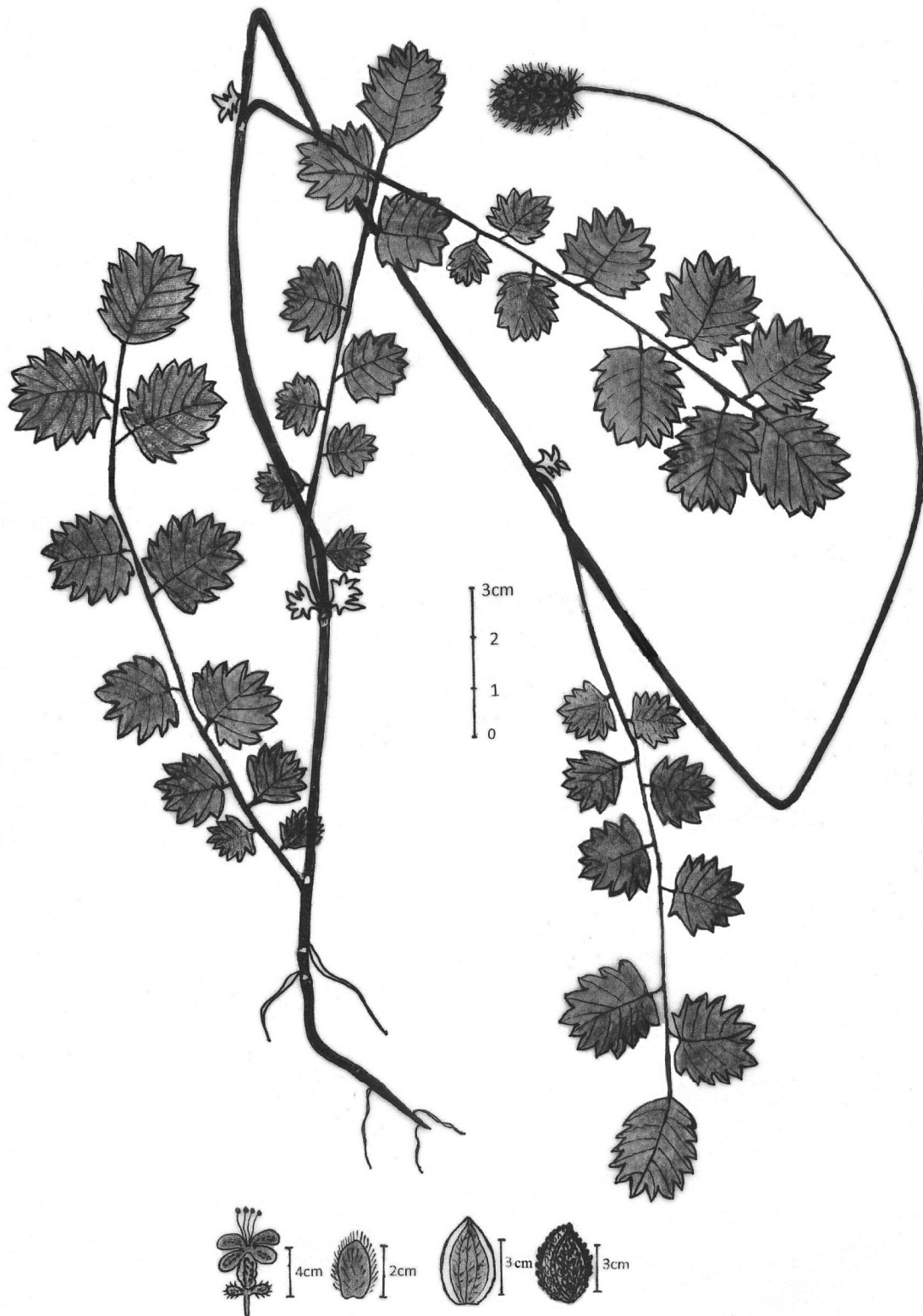


Fig. 1. Illustration of *Sanguisorba minor* Scop. A: Habit. B: Flower. C: Bracteole. D: Sepal. E: Fruit.



taxonomic composition, invasion status and biogeographic affiliations. *Biol. Invasions* **14**: 99–113.

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小地榆 (*Sanguisorba minor*)—印度植物區系的新成員

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摘要：本文首次報導了印度的小地榆新紀錄分布。我們提供了小地榆標本的素描來支援我們的結論，幫助該物種的鑒定。

關鍵詞：印度、新紀錄、茜草科、小地榆。