

LAVATERA LINN. FROM PAKISTAN*

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Abstract

One cultivated species *Lavatera trimestris* L. is reported for the first time from Pakistan. One new variety viz. *Lavatera cachemiriana* Camb. var. *haroonii* S. Abedin is described.

LAVATERA

Linn., Sp. Pl. 690. 1753; Gen. Pl. ed. 5:308. 1754:

Hook. f., Fl. Brit. Ind. 1:319. 1874.

The genus consists of about 45 species, chiefly distributed in Mediterranean region, but extending to the Canaries, N.W. Himalaya, Central Asia, E. Siberia, Australia and U.S.A. (California). In Pakistan it is represented by 3 taxa.

Key to the species

1. — Annual. Stem simple or 2-rayed retrorsely hairy.
Staminal tube glabrous. Carpels 10-18. 1. *L. trimestris*.
 - Perennial. Stem stellate pubescent. Staminal tube
long hairy. Carpels 20 or more. 2. *L. cachemiriana*.
1. *Lavatera trimestris* Linn., Sp. P. 690. 1753.

Type: Herb. Linn. 871. 11 (LINN!)

Erect annual herb. Stem hispid, usually strigose, simple or 2-rayed, retrorsely hairy. Leaves 3-7-angled or lobed. Flowers axillary, solitary; pedicel longer than petiole, jointed near the top. Corolla 5-7 cm. across, pink. Staminal tube glabrous. Mericarps 10-18, transversely ridged, covered by the expanded disc of carpophore.

Distribution: Mediterranean region.

It is a new record from Pakistan. The plant is occasionally cultivated in the gardens.

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2. *Lavatera cachemiriana* Camb. in Jacq. Voy. d. Inde 4:29. t. 32. 1844: Mast. in Hook. f., l. c. 319.

Perennial herb. Stem stellate tomentose. Leaves 3-7-angled or palmately-5-lobed to partite. Flowers axillary, solitary. Corolla 4-7 cm across, pink—lilac. Staminal tube densely hairy at the base. Mericarps 20-25, glabrous dorsally transversely rugose, longitudinally carinate, radially smooth.

Key to the varieties

1. — Upper surface of leaf with dense stellate hairs. a. var. *cachemiriana*.
 — Upper surface of leaf except veins with simple and fascicled hairs. b. var. *haroonii*.
 2. (a) *Lavatera cachemiriana* Camb. var. *cachemiriana* (Fig. 1. A-B).

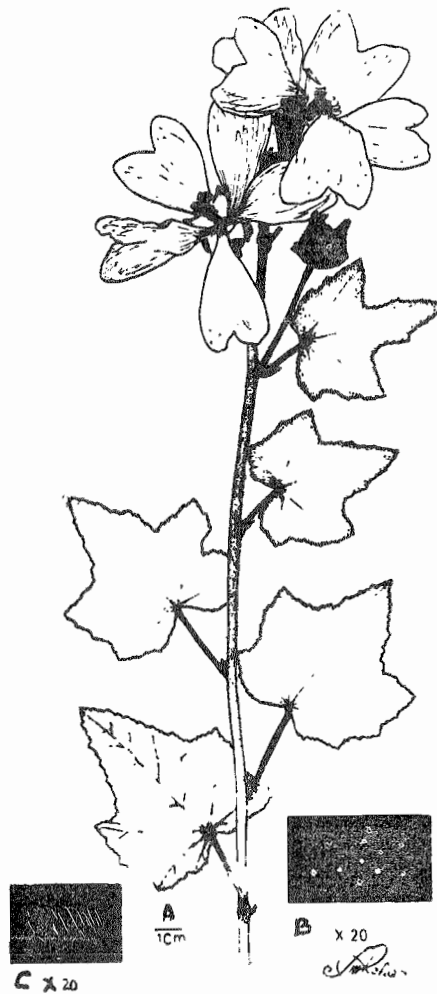


Fig. 1. *Lavatera cachemiriana* var. *cachemiriana*: A, Flowering twig; B, Indumentum of the upper surface of leaf, var. *haroonii*; C, Indumentum of the upper surface of leaf

Isotype: In frutibus herbori sylvarum montis Westenova, Kashmir, *Jacquemont* s.n. (K!).

Representative Specimens: Swat Dist.: Asrat, 3' tall, flowers purple, alt. 6000 ft., *Saida Qureshi* 77 (KUH); Pashmal, 52 miles from Mingora on way to Kalam, S. *Abedin* 8372, 8373 (KUH); Pashmal, *M. B. Zaman* 2958, 2959, 4212 (PFI-M); 2 miles from Utrar on way to Gabral, S. *Abedin* 8402 (KUH); 3 miles from Utrar on way to Kalam, S. *Abedin* 8468 (KUH); Kalam, S. *Abedin* 8473 (KUH); 2 miles from Kalam on way to Bahrein S. *Abedin* 8484-8491 (KUH).

Distribution: India, Pakistan, Iran, Afghanistan, China and Russia.

This variety, which commonly occurs in N. W. F. P., seems to be a central Asian element and extends from Pamir-Alai to Swat through Western Himalayas (Kashmir).

2. (b) *Lavatera cachemiriana* Camb. var. *harooni** S. *Abedin* var. nov.

Holotype: Hazara Dist., Kala Bagh, 2 miles from Nathiagali on way to Abbottabad, 40 cm tall, flowers lilac. S. *Abedin* 7660 (KUH); Fig. 1, c.

Herba perennis. Folia cum simplex et fasciculate in 2-3 radiis pili supra. In varietate procedente pili comparatione plus et stellate.

It differs from var. *cachemiriana* by having sparsely simple and fasciculate 2-3 rayed hairs on the upper surface of leaves. In var. *cachemiriana* the hairs are densely stellate on the upper surface of leaves.

Representative specimens: Hazara Dist.: 8 miles from Mahardri on way to Kaghan, *M. Qaiser* & *A. Ali* 5226 (KUH); *ibid.*, S. *Abedin* & *M. Qaiser* 3820 (KUH); Kala Bagh, 2 miles from Nathiagali on way to Abbottabad. S. *Abedin* 7659, 7660 (KUH); Forest Rest House, Shogran,— 7500', 1 m tall, S. *Abedin* & *M. Qaiser* 8801 (KUH); Near P.W.D. Rest House, Kaghan, S. *Abedin* & *M. Qaiser* 8845, 8846 (KUH); 6 miles from Kaghan, on way to Naran, S. *Abedin* & *M. Qaiser* 8925, 8926 (KUH); Muzaffarabad Dist: Lipa valley, *M. Qaiser* & *A. Ghafoor* 5070 (KUH); Danqian ± 7000' S. *Abedin* & *M. Qaiser* 9239 (KUH); Kuriam Agency: Scharan, *Shariq* 4710 (PFI-M); Rawalpindi Dist.: Dingagali, Murree, *M. B. Zaman* 1718 (KUH); Changlagali, cultivated, S. *Abedin* 7624, 7625 (KUH).

Distribution: Endemic to Pakistan.

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*The varietal name is given after Mr. S.M. Haroon Usmani, Botany Department, Karachi University