

# A new synonym of *Molineria garoense* (Hypoxidaceae)

Dilip Kumar Roy

Botanical Survey of India, Eastern Regional Centre, Lower New Colony, Laitumkhrah,  
Shillong – 793 003, Meghalaya, India  
✉ Corresponding author: dilipbsierc@gmail.com

## मोलिनेरिया गारोएन्से (हाइपोक्सीडेसी) के नये समानार्थी

दिलीप कुमार रॉय

### सारांश

मोलिनेरिया जसपुरिका ए.पी. तिवारी, मुजफ्फर एवं ए.एन. शुक्ला (हाइपोक्सीडेसी) भारत के छत्तीसगढ़ राज्य के जसपुर जिले से प्राप्त एक नयी जाति है, जिसे एम. गारोएन्से डी. के. रॉय एवं डी. विजयन के नये जाति के समानार्थ में परिवर्तित किया गया है।

### ABSTRACT

*Molineria jashpurica* A. P. Tiwari, Mujaffar & A. N. Shukla (Hypoxidaceae), a newly described species from Jashpur district of the state of Chhattisgarh, India is reduced to a new synonym of *M. garoense* D. K. Roy & D. Vijayan.

**Keywords:** Hypoxidaceae, *Molineria garoense*, *Molineria jashpurica*, New Synonym

### INTRODUCTION

*Molineria jashpurica* A. P. Tiwari, Mujaffar & A. N. Shukla (2018 a, b) was described from the Jashpur district of the state of Chhattisgarh, India. In the protologue, the authors stated that it was most closely similar to *M. gracilis* Kurz (1869) and *M. trichocarpa* (Wight, 1853) N. P. Balakr. (1967), but differs by shorter pseudopetiole (4–10 cm long), broad and glabrous leaf blade (2–9 cm wide), delicate scape, fewer flowers (4–8) and clavate stigma. However, the distinguishing characters of it match perfectly the types and the protologue of *M. garoense* D.K. Roy & D. Vijayan

(2016) (Fig. 1. A&B) described from Garo hills of the state of Meghalaya, India. Moreover, *M. jashpurica* is shown to be much more similar to *M. garoense* by sharing several common characters (Table 1), even though the type locality of it geographically is far-off. Therefore, it is revealed that *M. jashpurica* is a case of misidentification and thus it is proposed here as a synonym of *M. garoense*.

### TAXONOMIC TREATMENT

***Molineria garoense*** D. K. Roy & D. Vijayan, *Pleione* 10(2): 366. 2016.

**Table 1:** Comparison of characters of *Molineria jashpurica* and *M. garoense*.

| Organ          | <i>M. jashpurica</i>  | <i>M. garoense</i>   |
|----------------|---|--|
| Rhizome        | Tuberous  | Tuberous   |
| Pseudopetiole  | 4–10 cm long  | 5–15 cm long   |
| Leaf blade     | Elliptic-ob lanceolate, [see Fig. 1.A and Fig. 2.A & B in the protologue]; 5–38 × 2–9 cm, glabrous                  | Elliptic-ob lanceolate, 10–27 × 3–5.5 cm, glabrous   |
| Scape          | 3–7 cm long, sparsely pilose  | 4–7 cm long, tomentose   |
| Raceme         | Lax, 3–5 cm long, 4–8-flowered, sparsely pilose.  | Lax, 2–3 cm long, 5–7-flowered, pilose   |
| Floral bract   | Linear to linear-lanceolate, 1.5–4 cm long, dorsally pilose   | Linear-lanceolate, 1.2–2 cm long, dorsally pilose  |
| Pedicel        | 0.8–1.5 cm long, pilose   | 0.6–1 cm long, tomentose   |
| Perianth lobes | Yellow, oblong, 7–10 × 1.5–2 mm, obtuse, dorsally sparsely pilose, with an apical tuft of hairs, ventrally glabrous | Yellow, elliptic-lanceolate, 0.4–0.7 × 0.1–0.2 cm, obtuse, outer segments tomentose abaxially with an apical tuft of hairs, ventrally glabrous |
| Stamens        | 6; filaments 3–4 mm long; anthers yellow, 2–3 mm long, dithecos, introse  | 6; filaments 1.5–2 mm long; anthers yellow, 2–2.5 mm long, dithecos, introse   |
| Ovary          | Oblong, 6–10 × 2–2.5 mm, 3-locular, pilose  | Oblong, 5–7 × ca. 2 mm, 3-locular, villous   |
| Style          | 6–8 mm long   | 3.5–4 mm long  |
| Stigma         | Clavate   | Clavate  |

**Fig. 1.** *Molineria garoense* D.K. Roy & D. Vijayan: A. Holotype. B. Paratype

*Type:* India, Meghalaya, South Garo Hills District, Balpakram National Park, Helipad area, 500 m, 6.06.2014, D.K. Roy 130181 (holo: ASSAM!; Iso: ASSAM!); Balpakram National Park, Helipad-Hatisia Beat, 450 m, 10.06.2014, D.K. Roy 130299 (para: ASSAM!).

*Molineria jashpurica* A. P. Tiwari, Mujaffar & A.N. Shukla, Nordic J. Bot. 36(5)-e01744: 2. 2018 & Nordic J. Bot. 36(11)-e02157: 1. 2018. syn. nov.

*Type:* India, Chhattisgarh, Jashpur district, Khudiyarani, 22°96'46"N, 083°63'88"E, ca 700 m a.s.l., 19.06. 2013, A.P. Tiwari 73147 BSA (holo: CAL, iso: BSA, LWG).

*Distribution:* India: Meghalaya (Garo Hills), Chhattisgarh (Khudiyarani).

## REFERENCES

- BALAKRISHNAN, N.P. 1967. *Molineria trichocarpa*. *J. Bom. Nat. Hist. Soc.* 63: 330.
- KURZ, W.S. 1869. Hypoxidiae Indicae. *Annales Musei Botanici Lugduno-Batavi* 4: 177.
- ROY, D.K. and D. VIJAYAN 2016. *Molineria garoense* (Hypoxidaceae), a new species from Meghalaya, India. *Pleione* 10(2): 366–369.
- TIWARI, A.P., SHAIKH, M. and A.N. SHUKLA. 2018a. *Molineria jashpurica* sp. nov. (Hypoxidaceae) from Central India. *Nord. J. Bot.* 36(5)-e01744: 1–5. doi: 10.1111/njb.01744
- TIWARI, A.P., SHAIKH, M. and A.N. SHUKLA. 2018b. Erratum: *Molineria jashpurica* sp. nov. (Hypoxidaceae) from Central India. *Nord. J. Bot.* 36(11)-e02157: 1–2. doi: 10.1111/njb.02157
- WIGHT, B. 1853. Hypoxidaceae: *Icones plantarum Indiae Orientalis* 6: 21–23 & t. 2045.