



***Tropaeolum majus* L. (Tropaeolaceae): An addition to record for North Maharashtra, India**

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ABSTRACT

During exploration of plant species in Nandurbar, district Jalgaon the species has been rarely found and it was identified as *Tropaeolum majus* L. It has been found that, in the floristic studies of Maharashtra, this species has not been considered from the recently. Therefore, this species is an addition record to North Maharashtra. The present paper deals with update citation, detail description, flowering and fruiting season, locality and field of the species.

Keywords: Tropaeolaceae, Nandurbar, Jalgaon, addition, North Maharashtra

INTRODUCTION

Tropaeolum majus L. (Nusturtium) is flowering plant and It is medicinal used. *Tropaeolum majus* is ornamental plants and It's cultivated as potted plants. The plant is fast growing in sunny place, vary from yellow, to orange red and it's used in different types dishes. Leaves are used for cough, throat sore. Whole plant is edible. It is used for kidney disease and It has anti-cancer properties too.

MATERIALS AND METHODS

The field visit was conducted and One new species were preserved, *Tropaeolum majus* L. The specimen was preserved by Herbarium sheet. The recorded Specimen was submitted in the department of Botany RFNS, Senior Science college Akkalkuwa, district. Nandurbar. The Specimens were identified by using literature, Sharma *et al.* (1996), Singh and Karthekeyan (2000). After Investigation it was found that, species were not reported from Maharashtra and Updated citation, description and note on distribution and taxonomic Identified has provided.

RESULTS AND DISCUSSION

Tropaeolum majus Linnaeus, SP. Pl .1:345.1753. (as minus, corr. In ervata).

Herbs annuals 50 cm long. Leave simple, alternate petiole 5.20× 2-8 cm diameter; abaxial surface usually pillose, pedicels 5-11×1.5cm long; flower red 2.4×6cm diameter sepals light brown oblong-lanceolate 1.3-3×0.4-0.6 cm long. Petals red 5apex rounded toothed; apical 2 petals, 2.4-5×1-1.4cm long, with margin deeply Stamens 8, stamens;0.4-0.5mm long. style 1stigma linear 3 lobed , style, 0.2-0.4cm

long. Stigma 0.5-0.7mm long. distinct unequal ovary, fruit oblate 1-2-2cm diameter seed mericaps at maturity, 5.7mm diameter.

Distibution : America, China, India,

Flowering: May to July

Fruiting :July to October

Exsiccata: Nandurbar. (VRJ3022)

Native: South America.

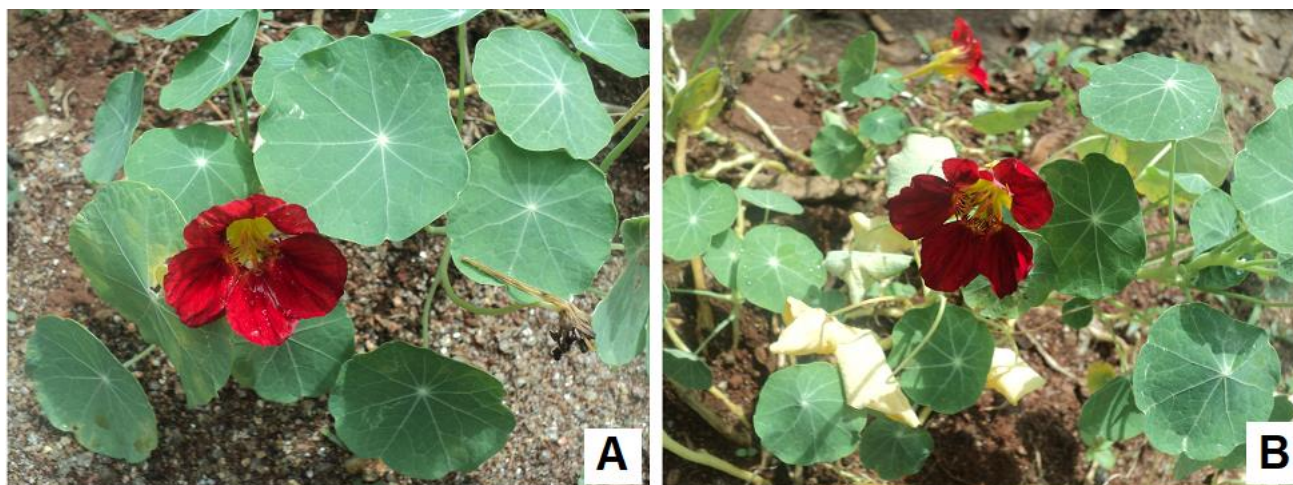


Figure 1: A: whole plant *Tropaeolum majus* L. B: Flowering twig *Tropaeolum majus* L.

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