

***Solanum torvum Sw. Prodr.:* A New Recorded for Valsad District, Gujarat**

Hirali D. Patel¹, Dilip D. Patel² and Hitesh A. Solanki³.

1. Research Scholar, Botany Department, University School of Science, Gujrat University Ahmedabad, Gujarat, India
2. Associate Professor, B.K. M. Science Collage, Valsad, Gujarat, India
3. Professor, Botany Department, University School of Science, Gujrat University Ahmedabad GUJARAT.

ABSTRACT: *Solanum torvum Sw. Prodr.* Belongs to Family Solanaceae. It has earlier been reported by the Reddy (1987) but didn't mention any note about distribution. The paper deal with indigenous taxa of Angiosperm belonging to Solanaceae family is reported as an addition to Valsad district. The paper also envisages brief citation, detailed, description, flowering and fruiting time, followed by ecological notes along with photograph is also provided.

KEY WORD: *Solanum torvum Sw. Prodr. Valsad, Gujarat*

Date of Submission: 12-05-2021

Date of acceptance: 25-05-2021

I. INTRODUCTION:

Valsad is a district town situated south of the Tapi river on 20 50" E and 20 30" N in the southern part of Gujarat State about 194 km. North of Mumbai on Ahmedabad Mumbai broad gauge railway line. About 3 km West of Valsad town is an Arabian sea and in the east there is Ahmedabad Mumbai national highway no:48. Geographically Valsad belongs to the western coastal land of the Deccan peninsula. The area is traversed by Damanganga, Auranga, Par, Kolak rivers and several small tributaries. The area consists of hills and plain land about 12 km above minimum sea level 41 villages have been explored in the present study *Solanum torvum Sw. Prodr.* Belongs to family Solanaceae. It is rarely found in Valsad area. It is shrub plant, *Solanum torvum* is a bushy, erect and spiny perennial plant used horticulturally as a rootstock for eggplant. Grafted plants are very vigorous and tolerate diseases affecting the root system, thus allowing the crop to continue for a second year. It is also known as turkey berry.

PLANT DESCRIPTION: *Solanum torvum*: Sw. Prodr.47.1788;C.B.Cl.in Hook.f.Fl. Brit.India4;234.1883; Bhogaonkar & Devakar, Add, Fl. Melghat 41, figs. A-G1999. Shrubs,2.5- 3.6 m high, densely covered with stellate hairs; stem and petioles prickly. Leaves 15.5 x 10.0 cm ovate shallowly lobed, shortly acuminate at apex, sub cordate at base. Flower white,1.5-2.0 cm across, many in dense cymes. Berries globose, shining yellow when ripe. Seeds brown.

Flowers & Fruits: September- May.

Distribution: Bhagdavada, Taluka Valsad, Dist. Valsad, Gujarat, India.

Holotype: DHH-1007.

GPS location: 20.6081,72.9093

NUMBER OF PLANTS: 10.