



## **Cyclosorus interruptus (Willd.) H.Ito [Family: Thelypteridaceae], A New Locality in Athiyouthu, Tenkasi District, Tamilnadu**

**MUTHIAH Maridass**

Fissd's Research Institute of Conservation Ecology, Tirunelveli, Tamilnadu, Tamil nadu

\*Corresponding Author Email: fisdprice@gmail.com

Received: 21 April, 2020 / Accepted: 19 October, 2020/ Published Online:15 December, 2020  
<http://www.gtrpcompany.com/jpr.htm>

**Citation:** Maridass M. *Cyclosorus interruptus* (Willd.) H.Ito [Family: Thelypteridaceae], A New Locality in Athiyouthu, Tenkasi District, Tamilnadu. Pteridological Research,2020; 9(2):1-2.

© Gayathri Teknological Research and Publication, 2020

### **Abstract**

In this report during the botanical survey of Athiyouthu Village in Tenkasi District, Tamilnadu was investigated in the during the period from January 2018 -December 2019. Very interesting species of *Cyclosorus interruptus* (Willd.) H.Ito identified by the roadside in Surandai road, Athiyouthu. Hence it was first reported as new locality in Athiyouthu village, Tenkasi District, Tamilnadu.

**Keywords:** Pteridophytes, *Cyclosorus interruptus*, Athiyouthu, Tenkasi District, Tamil Nadu.

### **REPORT**

During the botanical survey of Athiyouthu Village in Tenkasi District, Tamilnadu was investigated in the during the period January 2018 -December 2019. The field work observed that very interesting single species of fern was encountered in the roadside region of Athiyouthu Village (Fig. 1). The examination of the fern material was confirmed in the identity of the species as *Cyclosorus interruptus* (Willd.) H.Ito (Thelypteridaceae). Currently, in this species 2653 regions was records in the worldwide. Hence it was first reported as new locality in Athiyouthu village, Tenkasi District, Tamilnadu.

**Keywords:** Ferns, *Cyclosorus*, identification, ecology, Tamilnadu

### **Taxonomic description**

*Cyclosorus interruptus* (Willdenow) H. Itô, Bot. Mag. (Tokyo). 51: 714. 1937. *Pteris interrupta* Willd., Phytographia, 13. 1794. *Dryopteris interrupta* (Willd.) Ching., Lingnan Sci. J 12(4): 567. 1933. *T. interrupta* (Willd.) K. Iwat., J. Jap. Bot 38 (10): 314. 1963.

**Description:** Plant aquatic or marshy; rhizome creeping, dark, scaly; scales pale brown, caducous, subdeltoid; frond monomorphic, yellow-green, bipinnate-pinnatifid; stipes stramineous, glabrous above, scaly at base; lamina stiff, oblong-lanceolate; pinnae 10-24 pairs, lobed, sessile, linear-lanceolate, gradually narrowing towards acute apex; lobes 10-24 pairs, triangular, apex pointed; veins pinnate, with

excurrent vein, 2-4 mm long; sori linear along the margins in zig-zag manner, confined to segments, usually confluent at maturity; indusia glabrous or hairy, caducous; spores 50-60µm diameter, brown, exine irregularly granulose.



**Fig.1:** *Cyclosorus interruptus*, Habitat; habit; spores



**Distribution:** World: India, Bhutan, Myanmar, Nepal, Sri Lanka, Algeria, Argentina, Brazil, Colombia, Guyana, Madagascar, Panama, Paraguay, Tanzania, Uganda, Venezuela, Viet Nam <sup>[1]</sup>.

**India:** Maharashtra, Karnataka, Goa, Kerala, Tamil Nadu, Maharashtra, Patan, Koyna Nagar, Nawjja.

**Tamilnadu:** Kadana River in Southern Western Ghats, Tirunelveli District.

**New Locality :** Surendai Main Road, Athiyouthu.

**Phenology:** Vegetative Phase: August-December;  
Reproductive Phase: January-April.

**Conservation status:**

*Cyclosorus interruptus* (willd.) H. The species was collected from the Surendai main road, Athiyouthu Village. A single population was identified in the locality (Photo). Hence, in this species was assessed as least concerned (LC) species following the IUCN categories and criteria (IUCN, 2001).

**Ecology:** Moisture region and single population was identified.

#### REFERENCES

1. Sachin Patil, Rajendra Lavate, Vinod Shimpale, Vineet Rawat, *Cyclosorus interruptus* (Willd.) H. Ito: a new addition to the flora of Maharashtra. *Bioscience Discovery*, 2016; 7(2):128-130.