Study on bark algae *Trentepoholia* species from Purvanchal and bordering area of Bihar

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Abstract

Present Paper deals with 20 taxa of *Trentepoholia* which includes 23 species, 21 genera and 4 varieties. Of these *Trentepoholia iolithus* Walroth, *Trentepoholiadia lepta* Hariot, *Trentepoholia aurea* Martius, *Trentepoholia arborum* Agardh and *Trentepoholia umbrina* Bornet are first time reported from Purvanchal and bordering area of Bihar. They constitute new record for the area.

Keywords – Phycology, Bark, Algae *Trentepoholia*, Purvanchal

Introduction


Materials and Method

*Trentepoholia* species were collected from bark of *Terminalia*, *Anacardium*, *Acacia* and *Aristolochia*. Trunks of *Quercus*, *Eucalyptus*, *Cinchona* are also used for the collection of *Trentepoholia* species. Collection is done with 7 months (Sep 2015 to Mar 2016). Samples were preserved in 4% formalin with little amount of glycerine. Photomicrography is done with Nikon Lavofot II with attached camera. Identification is based on classical literature Printz (1942) Grib (1968) Akiyama (1989) Rindi and Gall (2003).

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Results and Discussion

20 taxa, 23 species, 21 genera and 4 varieties were collected from Purvanchal and Bordering area of Bihar. Biswas (1940) has reported 4 taxa of *Trentepoholia* from West Bengal and Assam. Chowdary (1959) has described 5 species of *Trentepoholia* from Bihar. Premila (1990) has reported 6 species of *Trentepoholia* from Nilgiris Tamilnadu. Panikkar (1995) has described 2 species of *Trentepoholia* from Orrisa. Fatma (1997) has reported 3 species of *Trentepoholia* from Lucknow. *Trentepoholia iolithus* Walroth, *Trentepoholia dialepta* Hariot, *Trentepoholia aurea* Martius, are reported first time from Purvanchal. *Trentepoholia arborum* Agardh, *Trentepoholia umbrina* Bornet are first time reported from Bordering area of Bihar.

List of *Trentepoholia* species collected from Purvanchal and Bordering area of Bihar

1. *Trentepoholia aurea* (Linn) Martius
2. *Trentepoholia aurea* Martius var. tenuior Bruhl and Biswas
3. *Trentepoholia abietina* (Flotow) Hansg
4. *Trentepoholia arborum* Agardh Hariot
5. *Trentepoholia gracilis* Iyengarii
6. *Trentepoholia thevalliensis* Panikkar and Sindhu
7. *Trentepoholia monilia* Wildeman
8. *Trentepoholia umbrina* (Kutz) Bornet Inwille
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