

## SOME CHAETOPHORALES FROM HASDEV RIVER, SARGUJA DISTRICT (M.P.) INDIA – A SURVEY

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Six taxa of order Chaetophorales belonging to 5 genera recorded for the first time from Hasdev river near Udarkachal Railway Station, Sarguja district (M.P.) India during 1988-89. The following genera have been reported (The numbers in parentheses indicate the number of taxa of each genus). *Aphanochaete* (1), *Chaetophora* (1), *Chaetosphaeridium* (1), *Coleochaete* (1) and *Stigeoclonium* (2).

**Keywords :** Chlorophyceae; Chaetophorales; Epiphytic; Taxonomy.

Our knowledge regarding the occurrence and distribution of Chaetophorales in India is still inadequate. Many workers, viz., Chaturvedi and Pandey (1976), Sarma and Khan (1980), Singh *et al.* (1981), Prasad and Tasneem (1981), Pandey *et al.* (1983), Tasneem (1985), Iqbal and Pandey (1989) studied the Chaetophorales from different parts of the country. The paper deals with the fresh water chaetophorales from Hasdev river of Sarguja district (M.P.) India recorded during 1988-89. The taxa have been identified according to Tiffany and Britton (1952), Prescott (1962) and Printz (1964).

The collections were made from 5 collection points. The algae growing in nature were collected in bot-

ties and preserved in 4% formalin. The collections are deposited in department of Botany, Bareilly College, Bareilly having the accession numbers MPS 401 to MPS 410.

**Systematic enumeration and descriptions**

*Aphanochaete magna* Godward (Fig. 6)

Tasneem, 1985, p. 173

Habitat : Epiphytic on *Hydrilla* leaves in a pond near Hasdev river (MPS-404).

*Chaetophora elegans* (Roth.) Agardh (Fig. 1)

Prescott, 1962, p. 118, pl. 14, figs. 3 & 4

Habitat : From a pond near Hasdev river (MPS-402)

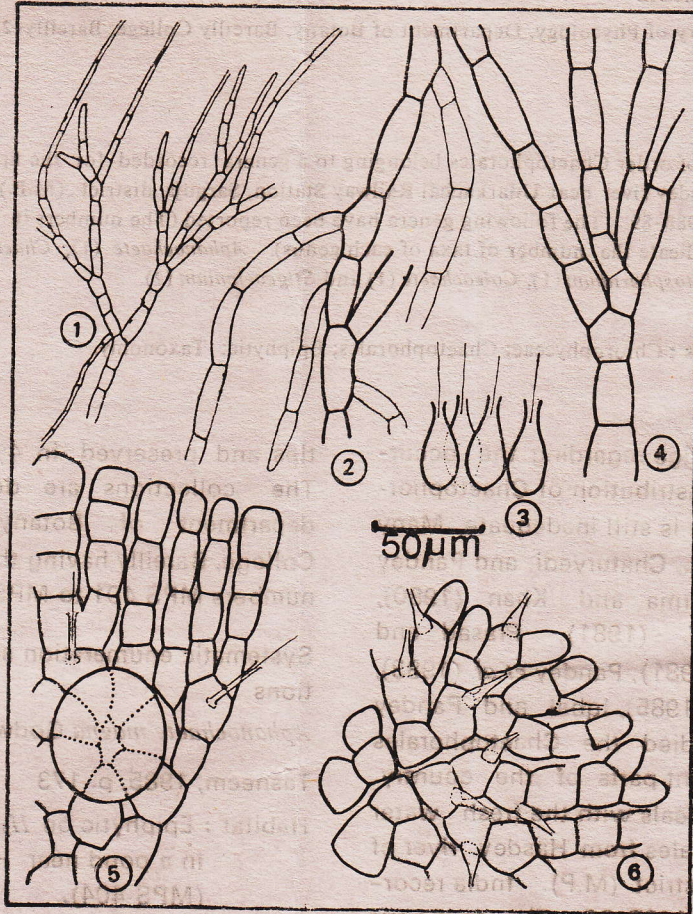


Fig. 1 *Chaetophora degans* (Roth.) Ag. 2. *Stigeoclonium lubricum* (Dillwyn) Kuetz. 3. *Chaetosphaeridium ovalis* Smith 4. *Stigeoclonium subsecundum* Kuetz. 5. *Coleochaete scutata* Breb. f. *minor* Moebius. 6. *Aphanoehaete magna* Godward.

*Chaetosphaeridium globosum* (Nordst.)  
Kleb. (Fig. 3)

Prescott, 1962, p. 131, pl. 14, figs.  
6 & 7

Habitat : Epiphytic on *Oedogonium*  
sp. in river Hasdev (MPS-  
401).

*Coleochaete scutata* Breb. f. *minor*  
Moeb. (Fig 5)

Tasneem, 1985, p. 174.

Habitat : Epiphytic on *Oedogonium* sp.  
in a ditches near Hasdev  
river (MPS-408).

*Stigeoclonium lubricum* (Dillwyn) Kuetz.  
(Fig. 2)

Prescott, 1962, p. 115, pl. 10, figs.  
1 & 2

Habitat : As lithophytic in Hasdev  
river (MPS-412).

*S. subsecundum* Kuetz. (Fig. 4)

Prescott, 1962, p. 117, pl. 10, figs.  
3 & 4

Habitat : Epiphytic on *Oedogonium* sp.  
in a pond near Hasdev river  
(MPS-410).

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