

DESMIDS OF BAREILLY DISTRICT—XIII, U.P., INDIA

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Abstract

Twenty five taxa of desmids collected from different localities situated, in and around Bareilly district, Uttar Pradesh are enumerated. All the species are being recorded for the first time from this part of the state.

Introduction

Although Iyenger and Vimala Bai (1941), Suxena and Venkateswarlu (1968), Prasad and Mehrotra (1977 a,b), Agarkar *et al.* (1979), Prasad and Misra (1982, 1984), Prasad *et al.* (1982), Hegde (1986), Pandey and Iqbal (1987), Chaturvedi *et al.* (1987), Pandey *et al.* (1988), Iqbal *et al.* (1989), Iqbal and Pandey (1989 a,b) studied the desmid flora from different parts of the country, still our knowledge of Desmidiaceae in India is inadequate. The taxa recorded from Bareilly district are listed below. Their collection was made from different localities situated in and around Bareilly district during 1988-89. For the identification of taxa, standard publications (West & West, 1904-12; Tiffany & Britton, 1952; Scott & Prescott, 1961; Croasdale & Scott, 1976) was consulted.

List of Desmids

Genus—*CLOSTERIUM* Nitzsch, 1817

1. *Closterium nematodes* var. *tumidum* West
Habitat—Planktonic in river Nakatia, Shahjahanpur Road, Nov.—Jan. (IH 1213).
2. *C. pralongum* Bréb.
Habitat—Planktonic in a pond, Nainital Road, Jan.—March (IH 1215).
3. *C. strigosum* Bréb.
Habitat—Planktonic in a puddle, Nekpur, Feb.—May (IH 1201).

Genus—*PLEUROTAENTUM* Naegeli, 1849

4. *Pleurotaenium eugenum* Turn.
Habitat—Planktonic in a puddle, Nekpur, Nov.—March (IH 1201).

Genus—*ACTINOTAENIUM* Teiling, 1954

5. *Actinotaenium inconspicuum* (West) Teiling
Habitat—Planktonic in a road side pool, Pilibhit by pass Feb.—May (IH 1202).
6. *A. turgidum* (Bréb.) Teiling
Habitat—Planktonic in a pond, Nekpur, Nov.—March (IH 1204).

Genus—*EUASTRUM* Ehrenberg, 1832

7. *Euastrum intermius* (Nordst.) Turner
Habitat—Planktonic in a pond, Nekpur, Nov.—March (IH 1204).
8. *E. quadriceps* var. *minor* Fritsch *et* Rich
Habitat—Planktonic with other algae, Dorania river, June—Sept. (IH 1206).
9. *E. solum* (Nordst.) Groenbl. *et* Scott
Habitat—Planktonic in a pond, Pilibhit Road, Nov.—Feb. (IH 1205).
10. *E. sphyroides* var. *intermedium* Lutkem
Habitat—Planktonic in a pond, Nekpur, Nov.—Oct. (IH 1201).
11. *E. subalpinum* var. *scrobiculatum* Groenbl.
Habitat—Planktonic in a pond, Pilibhit Road, Nov.—March (IH 1205).
12. *E. subhexalobum* var. *scrobiculatum* Groenbl.
Habitat—Planktonic in a pond, Pilibhit Road, Feb.—May (IH 1205).
13. *E. rostratum* var. *bioculatum* Scott *et* Prescott
Habitat—Planktonic in a pond. Nekpur,

Nov.—March (IH 1204).

Genus—*COSMARIUM* Corda, 1834

14. *Cosmarium anceps* Lund
Habitat—Planktonic in a pond, Pilibhit Road, Feb.—May (IH 1205).
15. *C. cyclicum* Lund var. *nordstedtianum* (Reinsch) West
Habitat—Planktonic in Dorania river, Jan.—April (IH 1207).
16. *C. gonoides* var. *subturgidum* West et West
Habitat—Planktonic in a pond, Nekpur, Nov.—June (IH 1206).
17. *C. moniliforme* (Turp.) Ralfs forma *punctata* Lager.
18. *C. notabile* Bréb. var. *media* Gutw.
Habitat—Planktonic in a pond, Bisalpur Road, April—June (IH 1209).
19. *C. pseudobroomei* var. *compressum* West
Habitat—Planktonic in a ditch, Nekpur, April—August (IH 1210).
20. *C. subtumidum* Nordst. var. *klebsii* Gutw.
Habitat—Planktonic with other algae, Nakatia river, Nov.—April (IH 1208).
21. *C. ralfsii* var. *taylori* Krieger et Gerl.
Habitat—Planktonic in a pond, IVRI, Bareilly, Nov.—March (IH 1212).
22. *C. tinctum* var. *subretusum* Messik
Habitat—Planktonic in a pond, Bareilly Cantt., April—May (IH 1214).

Genus—*XANTHIDIUM* Ehrenberg, 1837

23. *Xanthidium urniformi* (West et West) Scott et Croasdale
Habitat—Planktonic in a pond, Shahjahanpur Road, Feb.—April (IH 1213).

Genus—*STAUSTRUM* Meyen, 1829

24. *Staurastrum columpetoides* West et West
Habitat—Planktonic in a pond, Nainital Road, Nov.—March (IH 1215).
25. *S. paradoxum* Meyen var. *parvum* West
Habitat—Planktonic in a pond, Bisalpur Road, April—June (IH 1209).

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