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**NEW RECORD OF CLADOPHORA SPECIES FROM NORTH EASTERN UTTAR  
PRADESH (INDIA)**

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**ABSTRACT**

Present paper deals with 19 taxa of genus Cladophora which includes 20 genera 13 species and 3 varieties. Of these CladophorafractaKuetz , CladophoralimformisGrunCladphora Intermedia Foslie , Cladophorauberrima Lambert are new record for the area.

**Keywords:** Phycology , Cladophora , North Eastern U.P.

**INTRODUCTION**

A good deal of work has been done concerning the occurrence and distribution of Cladophora in India. Bala Krishnan (1961) Kale (1966) Sinha (1968) Nijamuddin and Begum (1973) Sinha and Ahmad (1973) Gajaraia (1979) Prasad and Vijay kumari (1979) Verma (1981) Prasad and Mishra (1982) Niiyama (1989) Sharma and Keshri (1993) Adhikari (1999). 19 taxa of Cladophora have been collected from Deoria and Gorakhpur district . District Deoria lies between 26\* - 5\* and 83\* - 79\* East. Total area of Deoria district is 2573.5 sq. Km. District Gorakhpur

lies between latitude 26\* - 40\* north and longitudes 83\* - 22\* East. Geographical area of Gorakhpur district is 3843.8 sq Km.

**MATERIALS AND METHODS**

For collecting Cladophora supporting plants of Chara , Hydrilla , Ceratophyllum were collected. Other sites for collection of Cladophorais Tal , canal , lakes and ponds. Collection is done with six month(Sep to Feb). Photomicrography was done by Nikon lavofot with attached camera. Identification is made with classical monograph includes Tiffany and Briton(1952)Printz(1964) Tupa(1974) and Prasad and Mishra(1982).

## RESULTS AND DISCUSSION

**Table 1. Cladophora species collected at north eastern U.P.**

S.N.	<u>Cladophora Species</u>
1.	Cladophora crystalline Kuetz
2.	Cladophora fractaKutez var.flavescens Newton
3.	Cladophora intermedia Foslie
4.	Cladophora crispate Kuetz
5.	Cladophora limiformis Grun
6.	Cladophora uberrimma Lambert
7.	Cladophora flavescens Newton
8.	Cladophor aglomerataKuetz var. Vandenhock
9.	Cladophora flexuosa (Griff) Harvey
10.	Cladophora intermedia foslie var. inflate
11.	Cladophora lehmannianaKutzing
12.	Cladophora pellucida (Hudson) Kutzing
13.	Cladophora uncinella Harvey
14.	Cladophora hutchinsiae Kutzing
15.	Cladophora clavuligera Grunow
16.	Cladophora nitellopsis Boergesen
17.	Cladophora exigua Zeller
18.	Cladophora insignis Kutzing
19.	Cladophora aegagropila Rabenhorst

Total of 19 taxa 20 genera 13 species and 3 varieties are reported from Deoria and Gorakhpur district. CladophorafractaKuetz, CladophoralimiformisGrun are reported from Gorakhpur district. Cladophora intermedia foslie , Cladophorauberrimma lambert are

reported from Deoria district. Prasad and Mishra (1982) have reported 2 Cladophora species from Andaman and Nicobar Island. Niiyama(1989) has described morphology and classification of CladophoraaegagropilaRabenhorst . Sharma

and Keshri(1993) have reported 3 taxa of Cladophoraglomerata. Adhikary (1999) has reported Cladophoraglomerata in Chilka lake Orrisa .

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