

Page:

Date: / /

www.keshavpublication.com

DEPARTMENT OF BOTANY BY: DR RANJANA
D.B. COLLEGE, JAYNAGAR. ASST. PROFESSOR
L.N.M.U., DARBHANGA (BIHAR) (GUEST)
Lecture No: 18 Date: 25 NOV. 2020

CORE CONCEPT OF

Group - A - Algae

Vaucheria

Division Systematic position —

class Xanthophyta

→ Xanthophyceae

order Heterosiphonales

Family Vaucheriaceae

Genus — *Vaucheria*

Species — *geminata*.

Occurrence (Habitat): The genus comprises more than 40 species most of which occur in abundance in the temperate regions of these nine have been reported from India. The majority are terrestrial or fresh water aquatics. A few species are marine. The terrestrial forms occur during winter months frequently on damp

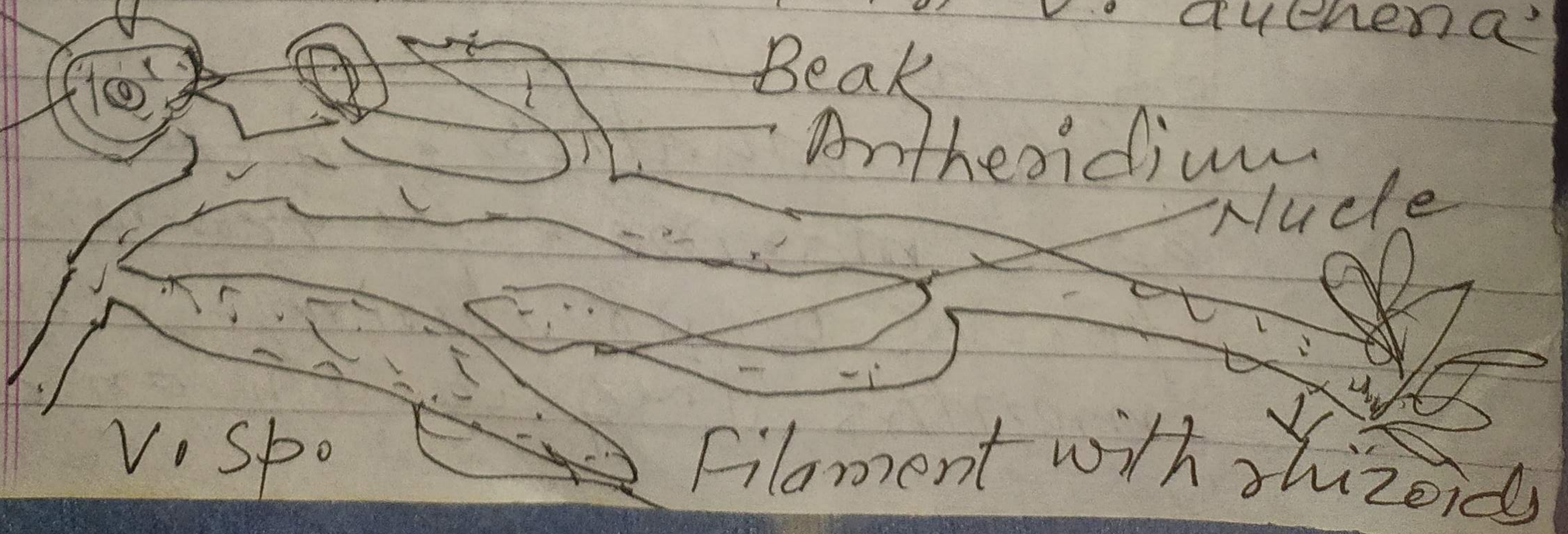
Page :
Date : / /
www.keshavpublication.com

soil and mud flats exposed on drying up of ponds and puddles. The aquatic forms found in very shallow water of ponds. The two widely distributed species are *V. sessilis* and *V. geminata*. Thallus is composed of yellowish green cylindrical or tubular rather coarse filaments branched at irregular intervals.

Structure: The filament wall is relatively thin and weak. It lacks elasticity. It consists of an inner layer of cellulose and an outer of pectic substances.

The native or meso-sized cellulose which is characteristic of the cell wall of green algae is absent in *V. auferia*.

oogonium
ovum



Fig

V. sp.

Filament with shizoids