

FORM FOR SUBMISSION OF ALGAL CULTURE/PASSPORT DATA
NATIONAL REPOSITORY FOR MICROALGAE AND CYANOBACTERIA- FRESH WATER (NRMCF)
 (DBT-sponsored)
 Department of Microbiology Bharathidasan University, Tiruchirappalli- 620 024.

For NRMCF use only
 Requisition Number : NTCA-PEDIA
 Repository Code No :
 NRMCF Number : NRMCF0116

1. Person depositing the strain

Name of the depositor: S. Arutselvan
 Designation: Research Scholar
 Address/Affiliation: DMBB, Department of Microbiology, Bharathidasan University, Tiruchirappalli.
 Mob. No: _____ E-mail address: nrmcf.bdu@gmail.com
 Type of culture: Green algae Cyanobacteria Diatom

Name of the culture: *Pediastrum tetrus*
 Gene bank accession number if any:

2. Taxonomical information

Strain identification number (s) assigned: By the collector and/or depositor: NTCA
 Division: Chlorophyta
 Class: Chlorophyceae
 Order: Sphaeropleales
 Family: Hydrodictyaceae
 Scientific name with citation of authority: *Pediastrum tetrus*
 Taxonomical reference used for identification: M.T.Philipose, 1967, Pg.128; (Ehrenberg) Ralfs 1845: 469

3. Maintenance conditions now used

a) Name of the culture media: BG11+
 b) Preferred maintenance conditions:

pH Temperature
 Light Intensity Salinity
 Light period

Habitat: Fresh water, Bettle field
 Place of Collection: Lalapettai
 Latitude and Longitude:
 Purification method: Spread plate

4. Molecular characterization if any

5. Image details
 Size: 5- 15 µm
 Description:
 Colonies rectangular, oval or circular, 4-8-16 cells without intracellular space, marginal cells dived into two lobes, inner cells 4-6 sided with a single linear incision.

- Ralfs, J. (1845). On the British Desmidiaceae. *Annals and Magazine of Natural History* 15: 149-160; 401-406.

