Appendix II supplementary data

Table II.A - Individual biovolumes of each phytoplankton specie considered in this work and it related geometric form

and it related geometric Organism	Biovolume (μm³/cell)	Geometric shape
Chlorophyta	Diovolume (pm /een)	Geometric snape
Bothriococcus	48	prolate spheroid
Carteria	3155	sphere
Closterium	3265	2 cones
Coelastrum	789	sphere
Cosmarium	13598	prolated spheroid
Mallomonas	804	prolate spheroid
Oocystis	1969	Prolate spheroid
Pediastrum	40	Cylinder
Planktosphaeria	3733	Sphere
Scenedesmus	278	Prolate spheroid
Schroederia	398	2 cones
Sphaerocystis	1160	Sphere
Staurastrum	14484	2 truncated cones + 6 cylinders
Cryptophyta	11101	2 transactor cones : o cynnicos
Cryptomonas	1987	prolate spheroid
Croomonas	1707	prolate spheroid
Dynophyta		profitte spileroid
Ceratium	78415	Ellipsoid + 2 cones + cylinder
Peridinium	678584	prolate spheroid
Cyanobacteria	070301	produce spheroid
Anabaena	99	Sphere
Microcystis	36	Sphere
Pseudoanabaena	45	Sphere
Diatomea		Spirere
Aulacoseira	864	Cylinder
Cocconeis	729	Oval cylinder
Cyclotella	778	Cylinder
Cymatopleura	6098	Oval cylinder
Cymbella	410	Half parallelepiped
Diatoma	3582	Parallelepiped
Fragillaria	219	Half parallelepiped
Gomphonema	391	Half parallelepiped
Gyrosigma	3913	Parallelepiped
Hantzschia –	1045	Cylinder
Melosira	3845	Cylinder
Navicula	260	Oval cylinder
Nitzchia	244	Cylinder
Stephanodiscus	5989	Cylinder