

Mediterranean river biomonitoring in Central Italy: diatom biodiversity and characterization of communities

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Supplementary Tab. 1. List of diatom species and varieties identified in the work.

Taxon

Achnantheidium pyrenaicum (Hustedt) Kobayasi
Psammothidium bioretii (Germain) Bukhtiyarova et Round
Planothidium conspicuum (A.Mayer) E.A. Morales
Planothidium delicatulum (Kütz.) Round & Bukhtiyarova
Eucoconeis laevis (Oestrup) Lange-Bertalot
Planothidium frequentissimum (Lange-Bertalot) Lange-Bertalot
Planothidium lanceolatum (Brebisson ex Kützing) Lange-Bertalot
Planothidium ellipticum (P.T. Cleve) M. B. Edlund
Planothidium rostratum (Oestrup) Lange-Bertalot
Achnantheidium minutissimum (Kützing) Czarnecki
Karayevia oblongella (Oestrup) M. Aboal
Karayevia ploenensis (Hustedt) Bukhtiyarova
Kolbesia gessneri (Hustedt) Aboal
Achnantheidium subatomoides (Hustedt) Monnier, Lange-Bertalot et Ector
Achnantheidium lineare W.Smith
Amphora delicatissima Krasske in Hustedt
Amphora inariensis Krammer
Amphora copulata (Kütz) Schoeman & Archibald
Halamphora montana (Krasske) Levkov
Amphora ovalis (Kützing) Kützing var.ovalis
Amphora pediculus (Kützing) Grunow
Amphora spitzbergenensis Van Ledingham
Amphora veneta Kützing
Pleurosira laevis (Ehrenberg) Compère f.laevis Ehrenberg
Caloneis bacillum (Grunow) Cleve
Caloneis molaris (Grunow) Krammer
Cocconeis neodiminuta Krammer in Ricard
Cocconeis pediculus Ehrenberg
Cocconeis placentula Ehrenberg
Cocconeis euglypta Ehrenberg emend Romero & Jahn
Cocconeis pseudolineata (Geitler) Lange-Bertalot
Craticula ambigua (Ehrenberg) Mann
Cyclotella atomus Hustedt
Cyclotella meneghiniana Kützing
Cyclotella ocellata Pantocsek
Cyclotella pseudostelligera Hustedt
Cyclotella rossii Håkansson
Cyclotella socialis Schutt
Cymatopleura elliptica (Brebisson)W.Smith var.elliptica
Cymatopleura solea (Brebisson in Breb. & Godey) W.Smith var. solea
Cymbella amphicephala Naegeli ex Kützing
Cymbella aspera (Ehrenberg) Peragallo
Encyonema caespitosum Kützing var. caespitosum
Cymbella cistula (Ehrenberg) Kirchner
Cymbella excisa Kützing var. excisa
Cymbella affinis Kützing var. affinis
Encyonopsis microcephala (Grunow) Krammer
Cymbella helvetica Kützing
Cymbella lanceolata (Agardh ?) Agardh var. lanceolata
Cymbella leptoceros (Ehrenberg) Kützing
Encyonema minutum (Hilse in Rabh.) D.G. Mann in Round Crawford & Mann

Cymbella perpusilla A.Cleve
Cymbella prostrata (Berkeley) Cleve
Encyonema silesiacum (Bleisch in Rabh.) D.G. Mann
Cymbella tumida (Brebisson) Van Heurck
Cymbella tumidula Grunow in A.Schmidt & al.
Encyonema ventricosum (Agardh) Grunow in Schmidt & al.
Denticula kuetzingii Grunow var. *kuetzingii*
Denticula tenuis Kützing
Diatoma anceps (Ehr.) Kirchner
Diatoma mesodon (Ehrenberg) Kützing
Diatoma moniliformis Kützing ssp. *moniliformis*
Diatoma moniliformis (moniliforme) Kützing subsp. *ovalis* (Fricke) Lange-Bertalot
Diatoma vulgare Bory
Diploneis minuta Petersen
Diploneis oblongella (Naegeli) Cleve-Euler
Epithemia turgida (Ehrenberg) Kützing var. *turgida*
Eunotia bilunaris (Ehr.) Mills var. *bilunaris*
Eunotia pectinalis (Kützing) Rabenhorst var. *pectinalis*
Fallacia pygmaea (Kützing) Stickle & Mann ssp. *pygmaea* in Lange-Bertalot & al.
Ulnaria biceps (Kützing) Compère
Fragilaria capucina Desmazieres var. *capucina*
Fragilaria recapitellata Lange-Bertalot & Metzeltin
Fragilaria gracilis Østrup
Fragilaria vaucheriae (Kützing) Petersen
Fragilaria construens (Ehr.) Grunow f. *construens*
Pseudostaurosira parasitica (W.Smith) Morales
Staurosirella pinnata (Ehr.) Williams & Round
Ulnaria ulna (Nitzsch) Compère
Ulnaria acus (Kützing) Aboal
Gomphonema acuminatum Ehrenberg var. *acuminatum*
Gomphonema angustatum (Kützing) Rabenhorst
Gomphonema angustum Agardh
Gomphonema bipunctatum Krasske
Gomphonema clavatum Ehr.
Gomphonema clevei Fricke
Gomphonema gracile Ehrenberg
Gomphonema micropus Kützing var. *micropus*
Gomphonema minutum (Ag.) Agardh f. *minutum*
Gomphonema olivaceum (Hornemann) Brébisson var. *olivaceum*
Gomphonema parvulum (Kützing) Kützing var. *parvulum* f. *parvulum*
Gomphonema pumilum (Grunow) Reichardt & Lange-Bertalot
Gomphonema pumilum var. *rigidum* Reichardt & Lange-Bertalot
Gomphonema tergestinum (Grunow in Van Heurck) Schmidt in Schmidt & al.
Gomphonema truncatum Ehr.
Gyrosigma acuminatum (Kützing) Rabenhorst
Gyrosigma attenuatum (Kützing) Rabenhorst
Gyrosigma nodiferum (Grunow) Reimer
Gyrosigma scalproides (Rabenhorst) Cleve
Melosira varians Agardh
Meridion circulare (Greville) C.A. Agardh var. *circulare*
Meridion circulare (Greville) Agardh var. *constrictum* (Ralfs) Van Heurck
Craticula accomoda (Hustedt) Mann
Mayamaea agrestis (Hustedt) Lange-Bertalot
Placoneis anglica (Ralfs in Pritchard) E.J. Cox
Navicula antonii Lange-Bertalot

Mayamaea atomus (Kützing) Lange-Bertalot var. atomus
 Mayamaea permitis (Hustedt) Bruder & Medlin
 Sellaphora bacillum (Ehrenberg) D.G.Mann
 Adlafia bryophila (Petersen) Moser Lange-Bertalot & Metzeltin
 Hippodonta capitata (Ehr.) Lange-Bertalot Metzeltin & Witkowski
 Navicula capitatoradiata Germain
 Navicula caterva Hohn & Hellerman
 Navicula cincta (Ehr.) Ralfs in Pritchard
 Diadesmis confervacea Kützing var. confervacea
 Navicula cryptocephala Kützing
 Navicula cryptotenella Lange-Bertalot
 Navicula cryptotenelloides Lange-Bertalot
 Navicula cuspidata Kützing
 Navicula difficillima Hustedt
 Placoneis elginensis (Gregory) Cox
 Navicula erifuga Lange-Bertalot in Krammer & Lange-Bertalot
 Navicula goeppertiana (Bleisch) H.L.Smith
 Navicula gregaria Donkin
 Navicula halophila (Grunow) Cleve
 Geissleria acceptata (Hust.) Lange-Bertalot & Metzeltin
 Navicula ingrata Krasske
 Navicula lanceolata (Agardh) Ehrenberg
 Navicula laterostrata Hustedt
 Fallacia lenzi (Hustedt) Lange-Bertalot in Werum & al.
 Eolimna minima (Grunow) Lange-Bertalot
 Adlafia minuscula (Grunow) Lange-Bertalot
 Craticula molestiformis (Hustedt) Lange-Bertalot
 Fallacia monoculata (Hustedt) D.G. Mann
 Luticola mutica (Kützing) D.G. Mann in Round Crawford & Mann
 Fistulifera pelliculosa (Brebisson) Lange-Bertalot
 Placoneis pseudanglica (Lange-Bertalot) Cox
 Navicula pseudolanceolata Lange-Bertalot
 Sellaphora pupula (Kützing) Mereschkowksy
 Navicula radiosa Kützing
 Navicula radiosafallax Lange-Bertalot
 Navicula recens (Lange-Bertalot) Lange-Bertalot
 Fistulifera saprophila (Lange-Bertalot & Bonik) Lange-Bertalot
 Navicula schroeteri Meister var. schroeteri
 Sellaphora seminulum (Grunow) D.G. Mann
 Navicula similis Krasske
 Navicula reichardtiana Lange-Bertalot var. reichardtiana
 Sellaphora stroemii (Hustedt) Kobayasi in Mayama Idei Osada & Nagumo
 Fallacia subhamulata (Grunow in V. Heurck) D.G. Mann
 Eolimna subminuscula (Manguin) Moser Lange-Bertalot & Metzeltin
 Navicula subrotundata Hustedt
 Navicula subrhynchocephala Hustedt
 Fallacia tenera (Hustedt) Mann in Round
 Navicula tripunctata (O.F.Müller) Bory
 Navicula trivialis Lange-Bertalot var. trivialis
 Navicula tuscula Ehrenberg
 Navicula veneta Kützing
 Navicula viridula (Kützing) Ehrenberg
 Navicula rostellata Kützing
 Navicula weinzierlii Schimanski
 Nitzschia amphibia Grunow f. amphibia

Nitzschia amphibioides Hustedt
Nitzschia angustata (W.Smith) Grunow
Nitzschia angustatula Lange-Bertalot
Nitzschia capitellata Hustedt in A.Schmidt & al.
Nitzschia clausii Hantzsch
Nitzschia communis Rabenhorst
Nitzschia commutata Grunow in Cleve et Grunow
Tryblionella constricta(Kützing) Poulin in Poulin & al.
Nitzschia dissipata (Kützing) Grunow ssp. dissipata
Nitzschia filiformis (W.M.Smith) Van Heurck var. filiformis
Nitzschia fonticola Grunow in Van Heurck
Nitzschia frustulum (Kützing) Grunow var. frustulum
Nitzschia gracilis Hantzsch
Nitzschia inconspicua Grunow
Nitzschia intermedia Hantzsch ex Cleve & Grunow
Nitzschia linearis(Agardh) W.M.Smith var. linearis
Nitzschia tenuis W.Smith
Nitzschia subtilis Grunow in Cleve et Grunow
Nitzschia microcephala Grunow in Cleve & Moller
Nitzschia palea (Kützing) W.Smith var. palea
Nitzschia perminuta (Grunow) M.Peragallo
Nitzschia pusilla (Kützing) Grunow emend Lange-Bertalot
Nitzschia recta Hantzsch in Rabenhorst
Nitzschia scalpelliformis (Grunow) Grunow in Cleve & Grunow
Nitzschia sinuata (Thwaites in W.Sm.) Grunow in Cleve & Grunow
Nitzschia sociabilis Hustedt
Nitzschia supralitorea Lange-Bertalot
PINNULARIA C.G. Ehrenberg
Reimeria sinuata (Gregory) Kociolek & Stoermer_N°
Reimeria uniseriata Sala Guerrero & Ferrario_N°
Rhoicosphenia abbreviata (C.Agardh) Lange-Bertalot
RHOPALODIA O Müller
Simonsenia delognei Lange-Bertalot
Stenopteroberia delicatissima (Lewis) Van Heurck
Surirella brebissonii Krammer & Lange-Bertalot var. brebissonii
Surirella brebissonii var. kuetzingii Krammer et Lange-Bertalot
Surirella linearis W.M.Smith in Schmidt & al.
