Encyonema
Plate 93

LM: x1500

Figs 1-35: Encyonema neogracile Krammer, p. 20 [ENNG]

Scale bar = 10 µm

Figs 24-35: Torno River (Douro basin), 15-08-2007.

Figs 1-35: Valve view.
Encyonema

1 - 11

12 - 23

24 - 35
Plate 94

Figs 1-5: *Encyonema neogracile* Krammer, p. 20 [ENNG]
Scale bars (Figs 1, 2) = 5 µm Scale bars (Figs 3-5) = 1 µm

Figs 1-5: Portela do Homem, Homem River (Cávado basin), 26-09-2007.

Fig. 1: External valve view.
Fig. 2: Internal valve view.
Fig. 3: Detail of the apical area in external view.
Fig. 4: Detail of the apical area in internal view.
Fig. 5: Detail of the central area in internal view.
Encyonema
Plate 95

Figs 1-5: *Encyonema neogracile* Krammer, p. 20 [ENNG]

Scale bars = 1 µm

Figs 1-5: Branhais, Ave River (Ave basin), 25-09-2007.

Figs 1, 2: External valve view.
Fig. 3: Internal valve view.
Fig. 4: Detail of the central area in external view.
Fig. 5: Detail of the apical area in internal view.
Encyonema
Plate 96
LM: x1500

Figs 1-11: *Encyonema neogracile* Krammer, p. 20 [ENNG]
Figs 12-23: *Encyonema neomesianum* Krammer, p. 21 [ENMS]
Scale bar = 10 µm

Figs 12-14: Monte da Fazenda, Era Stream (Tejo basin), 29-06-2006.
Figs 15-23: Coutada, Zêzere River (Tejo basin), 08-07-2006.

Figs 1-24: Valve view.
Encyonema
Plate 97

LM: x1500

Figs 1-8: Encyonema prostratum (Berkeley) Kützing, p. 21 [EPRO]

Scale bar = 10 µm

Figs 1-8: Machadinho, Guadiana River (Guadiana basin), 18-05-2006.

Figs 1-8: Valve view.
Plate 98
LM: x1500

Figs 1-20: *Encyonopsis aequalis* (W. Smith) Krammer, p. 22 [EAQL]
Scale bar = 10 µm

Figs 1-10: Covas, Coura River (Minho basin), 21-09-2007.
Figs 11-20: Outeiro das Cabras, Âncora River (Lima basin), 21-09-2007.

Figs 1-20: Valve view.
Encyonopsis
Plate 99

Figs 1-4: Encyonopsis aequalis (W. Smith) Krammer, p. 22 [EAQL]
Scale bars (Figs 1,2) = 10 µm  Scale bars (Figs 3,4) = 1 µm

Figs 1-4: Covas, Coura River (Minho basin), 21-09-2007.

Fig. 1: External valve view.
Fig. 2: Internal valve view.
Fig. 3: Detail of the central area in internal view.
Fig. 4: Detail of the apical area in internal view.
Encyonopsis
Plate 100

LM: x1500

Figs 1-21: *Encyonopsis minuta* Krammer & E. Reichardt, p. 22 [ECPM]
Figs 22-34: *Encyonopsis cf. microcephala* (Grunow) Krammer 1997, p. 22 [ENCM]
Figs 35-51: *Encyonopsis tavirana* Krammer 1997, p. 22 [ECTA]
Figs 52-57: *Encyonopsis subminuta* Krammer & E. Reichardt, p. 22 [ESUM]
Figs 58-78: *Encyonopsis horticola* Van de Vijver & Compère, p. 22

Scale bar = 10 μm

Figs 22-34: Tôr, Algibre Stream (Ribeiras do Algarve basin), 02-03-2006.
Figs 52-57: Oleiros, Seca Stream (Ribeiras do Algarve basin), 16-04-2006.

Figs 1-78: Valve view.
Plate 101

**Figs 1-4:** *Encyonopsis minuta* Krammer & E. Reichardt, p. 22 [ECPM]

Scale bars = 1 µm


Fig. 1: External valve view.
Fig. 2: Internal valve view.
Fig. 3: Details of the apical area in external view.
Fig. 4: Details of the apical area in internal view.
Encyonopsis
Plate 102

Figs 1-5: *Encyonopsis tavirana* Krammer 1997, p. 22 [ECTA]
Scale bars = 1 µm

Figs 1-5: Odeleite Reservoir, Odeleite Stream (Ribeiras do Algarve basin), 27-07-2006.

Fig. 1: External valve view.
Fig. 2: Internal valve view.
Figs 3, 4: Details of the apical area in external view.
Fig. 5: Detail of the central area in external view.
Encyonopsis
Plate 103

Figs 1-4: Encyonopsis horticola Van de Vijver & Compère, p. 22
Scale bars = 1 µm

Figs 1-4: Odeleite Reservoir, Odeleite Stream (Ribeiras do Algarve basin), 27-07-2006.

Fig. 1: External valve view.
Fig. 2: Internal valve view.
Figs 3, 4: Details of apical area in external view.
Encyonopsis
Plate 104

LM: x1500

Figs 1-18: *Placoneis clementis* (Grunow) E.J. Cox, p. 23 [PCLT]  
Scale bar = 10 µm

Figs 1-12: Coutada, Zêzere River (Tejo basin), 08-07-2006.  
Figs 13-18: Prata Stream (Sado basin), 02-06-2006.

Figs 1-18: Valve view.
Placoneis

1 - 12

13 - 18
Plate 105

LM: x1500

Figs 1-4: *Gomphoneis minuta* (Stone) Kociolek & Stoermer, p. 23 [GMMI]

Scale bar = 10 μm

Figs 1-4: Malhadas, Mosteiró River (Douro basin), 19-08-2007.

Figs 1-3: Valve view.
Fig. 4: Girdle view.
Plate 106

LM: x1500

Figs 1-24: Gomphonema olivaceum (Hornemann) Brébisson, p. 25 [GOLI]
Figs 25-45: Gomphonema minutum C. Agardh, p. 25 [GMIN]

Scale bar = 10 µm

Figs 1-11: Algibre, Algibre Stream (Ribeiras do Algarve basin), 02-03-2006.
Figs 12-24: Tôr, Algibre Stream (Ribeiras do Algarve basin), 02-03-2006.
Figs 36-45: Benémola, Fonte Menalva Stream (Ribeiras do Algarve basin), 03-03-2006.

Figs 1-9, 15-34, 36-45: Valve view.
Figs 10-14, 35: Girdle view.
Gomphonema
Plate 107
LM: x1500

Figs 1-8: Gomphonema brebissonii Kützing, p. 23 [GBRE]
Figs 9-11: Gomphonema acuminatum var. pusillum Grunow, p. 23 [GAPS]
Scale bar = 10 μm


Figs 1-11: Valve view.