

Encyonema

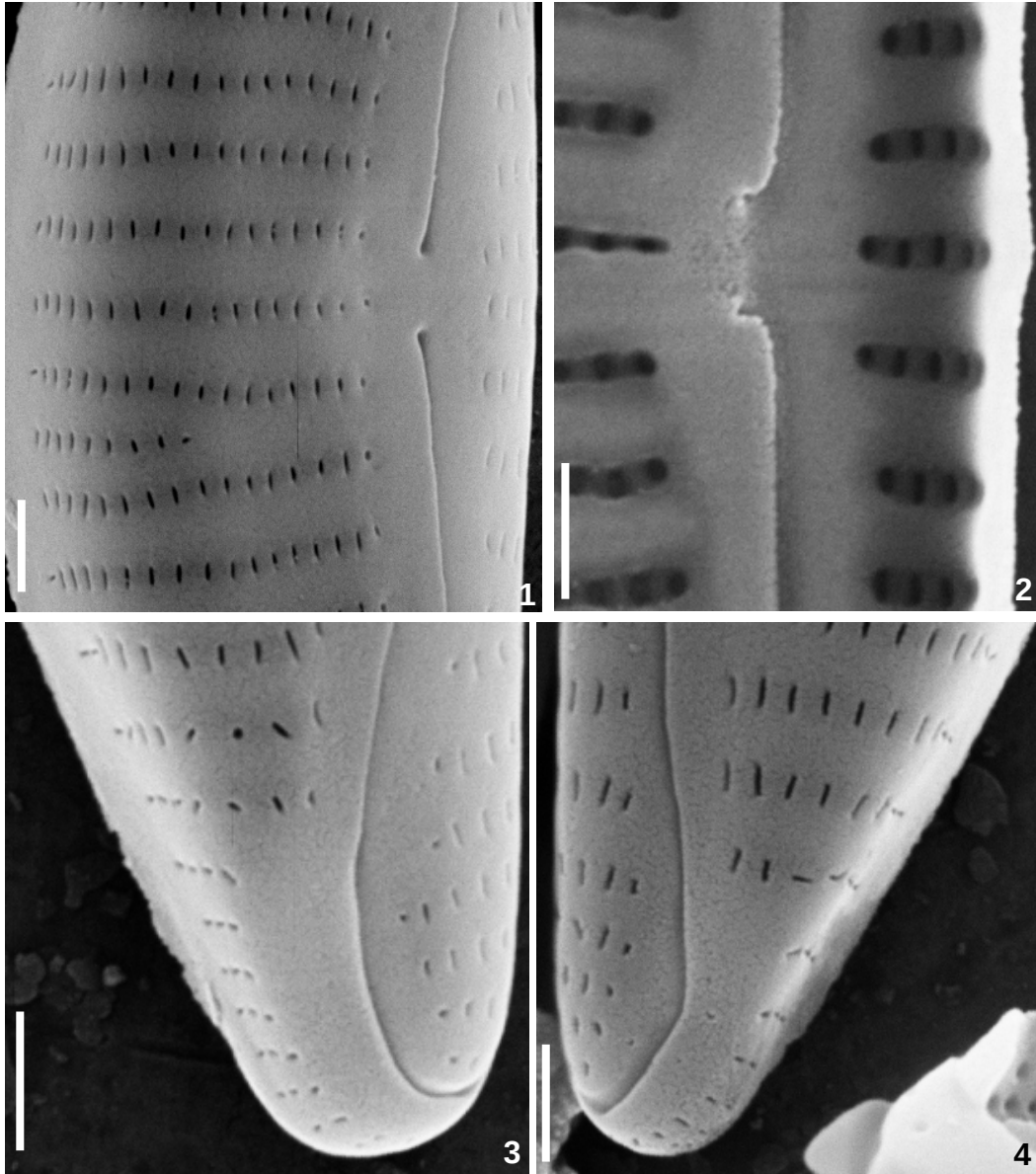


Plate 93

LM: x1500

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

Scale bar = 10 μm

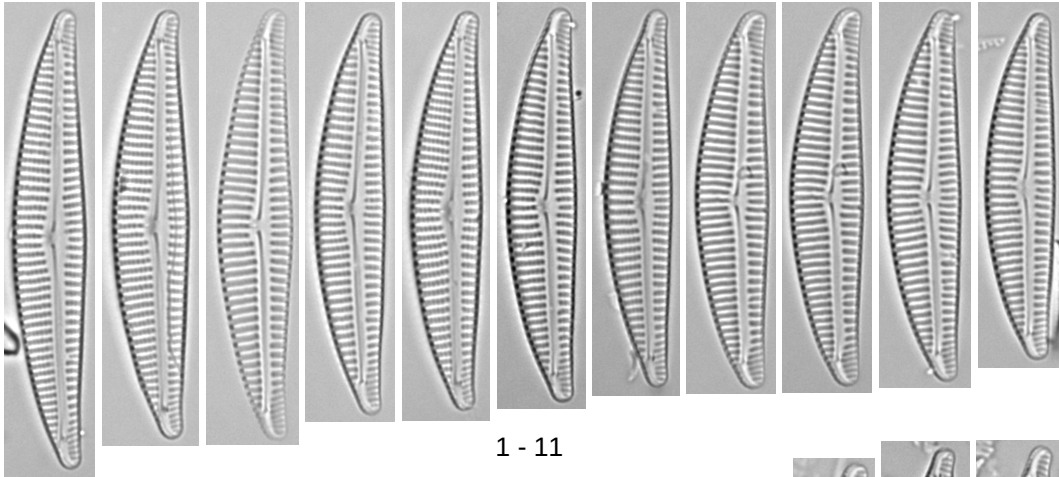
Figs 1-11: Portela do Homem, Homem River (Cávado basin), 26-09-2007.

Figs 12-23: Brunhais, Ave River (Ave basin), 25-09-2007.

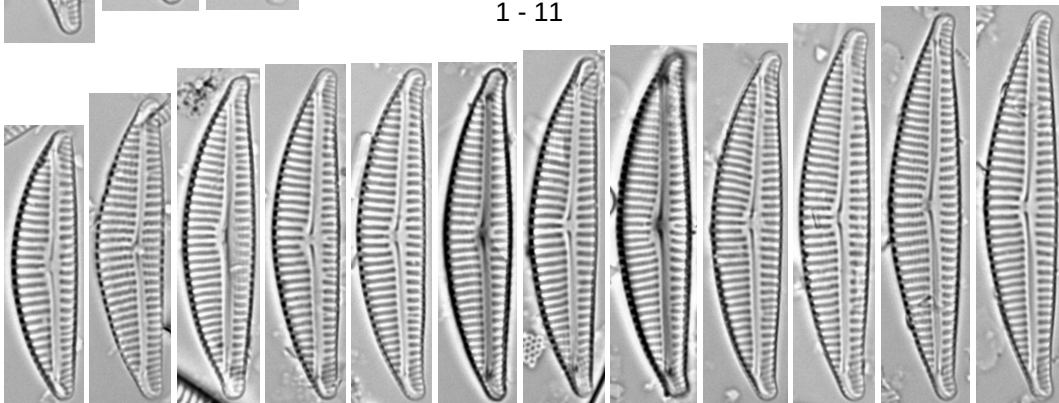
Figs 24-35: Torno River (Douro basin), 15-08-2007.

Figs 1-35: Valve view.

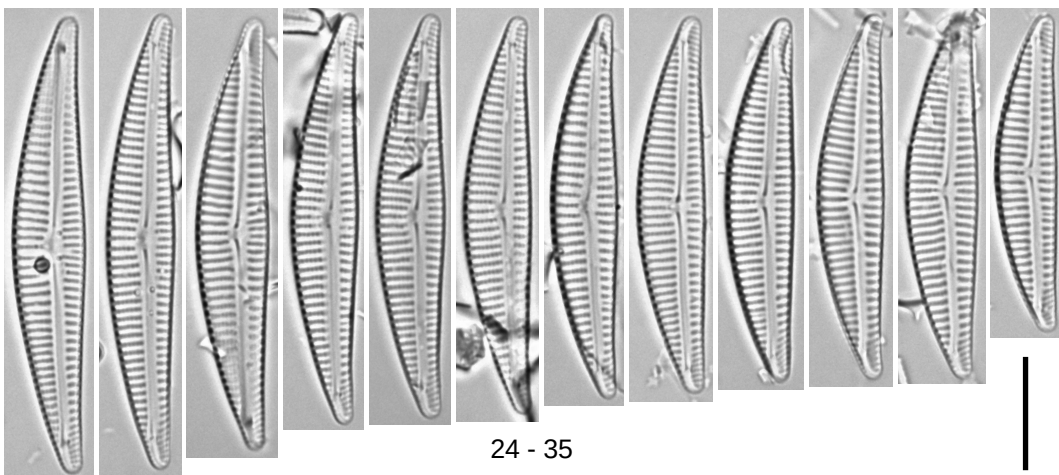
Encyonema



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

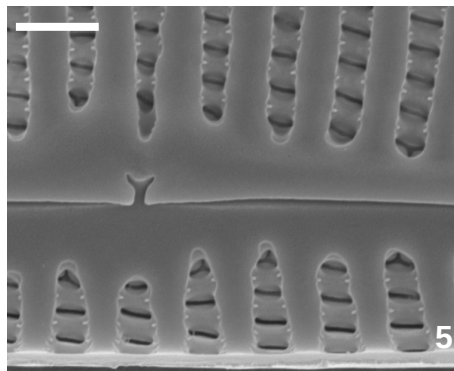
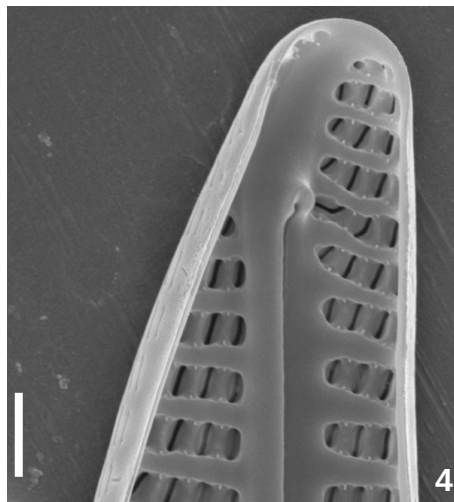
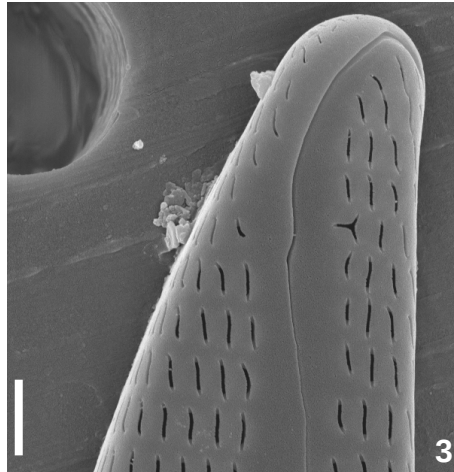
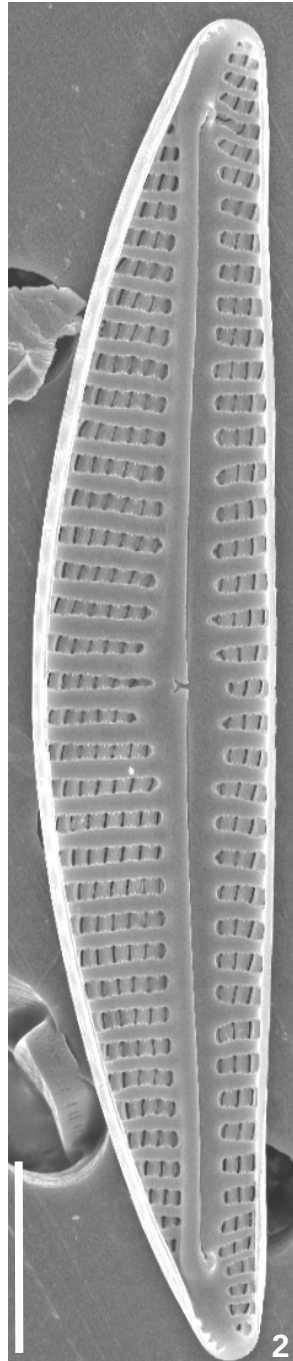
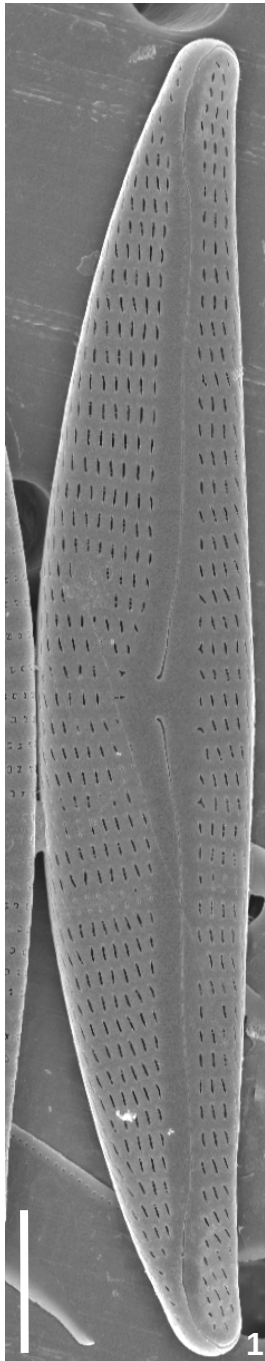


Plate 95

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

Scale bars = 1 μm

Figs 1-5: Brunhais, 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

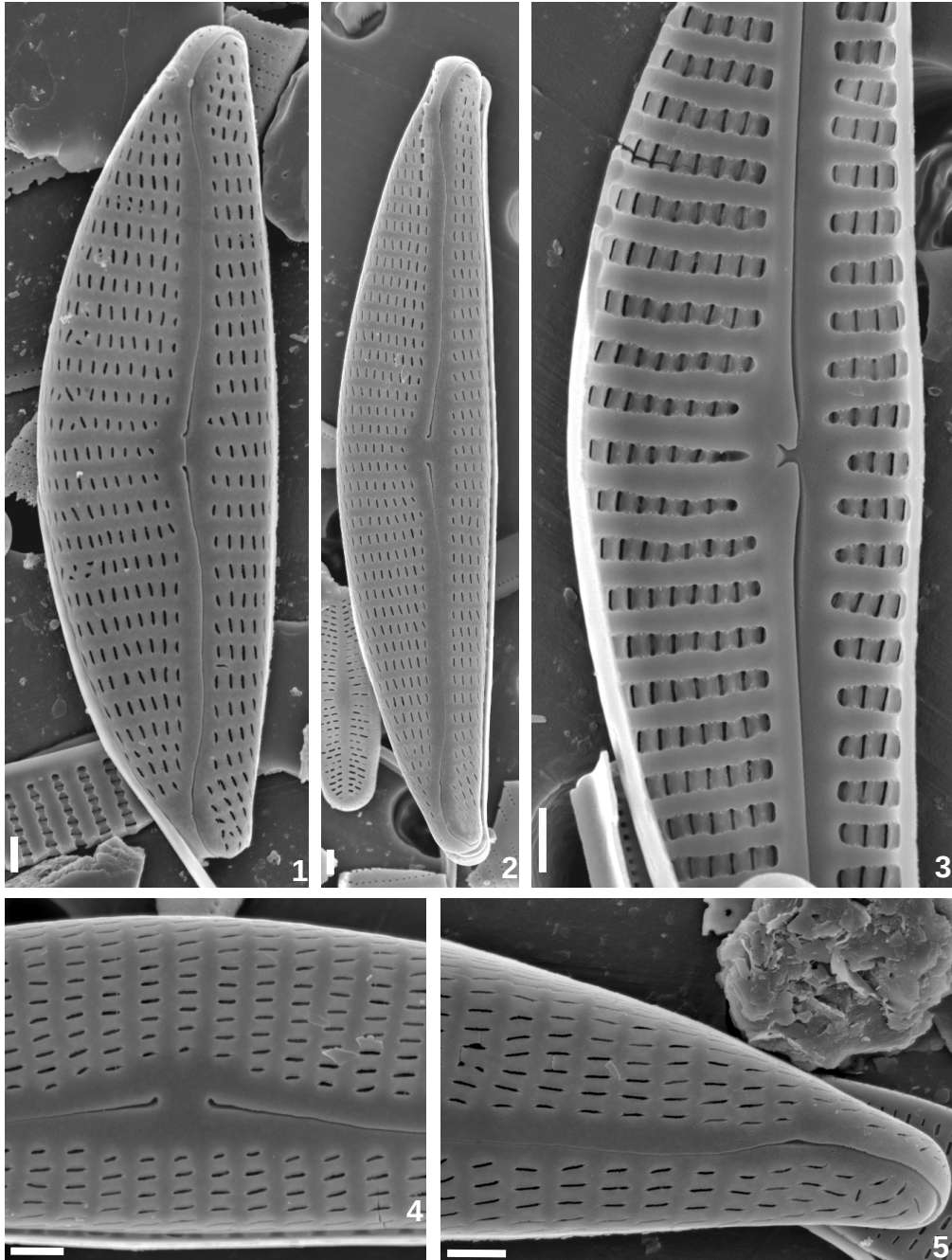


Plate 96

LM: x1500

Figs 1-11: *Encyonema neogracile* Krammer, p. 20 [ENNG]

Figs 12-23: *Encyonema neomesianum* Krammer, p. 21 [ENMS]

Scale bar = 10 μm

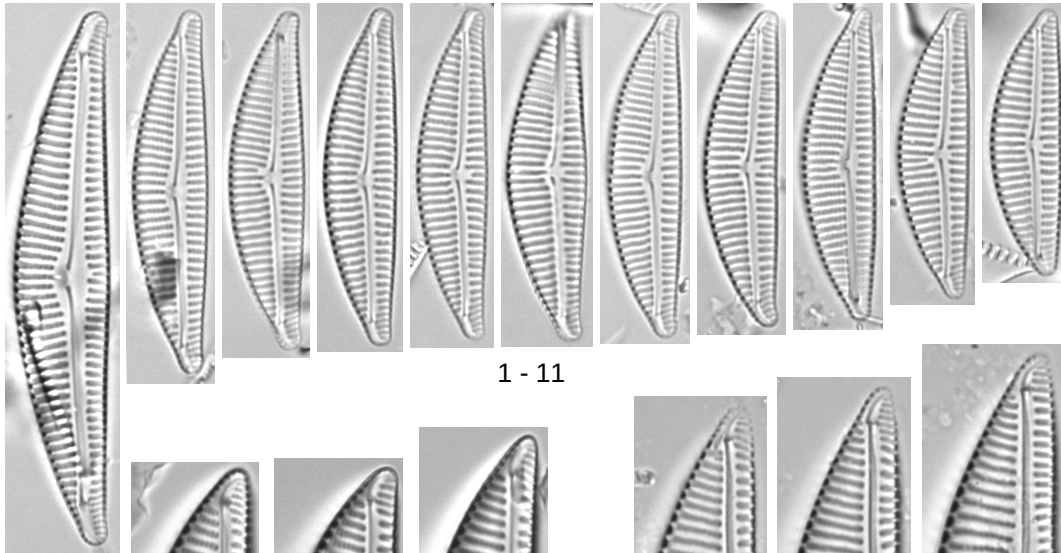
Figs 1-11: Redonda, Águeda River (Vouga basin), 13-05-2007.

Figs 12-14: Monte da Fazenda, Era Stream (Tejo basin), 29-06-2006.

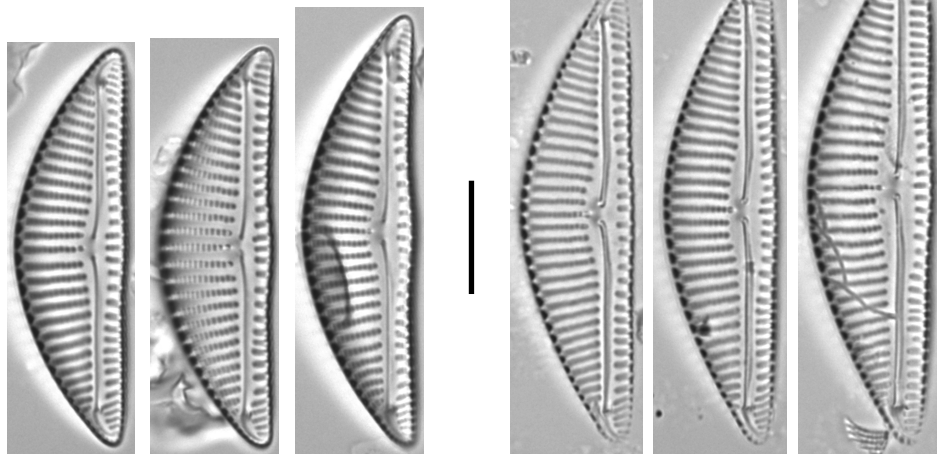
Figs 15-23: Coutada, Zêzere River (Tejo basin), 08-07-2006.

Figs 1-24: Valve view.

Encyonema

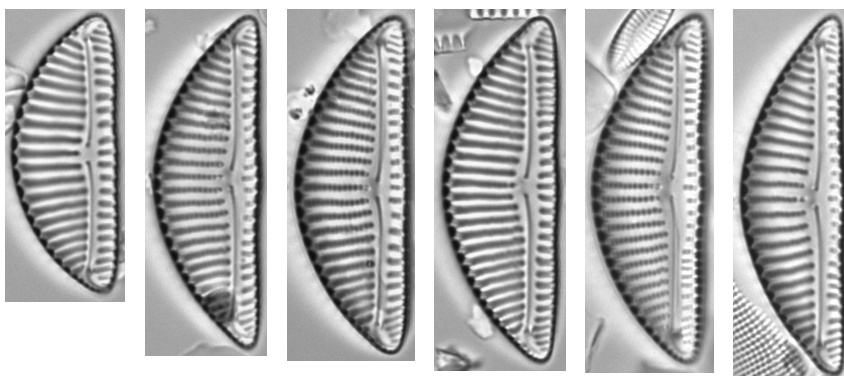


1 - 11



15 - 17

12 - 14



18 - 23

Plate 97

LM: x1500

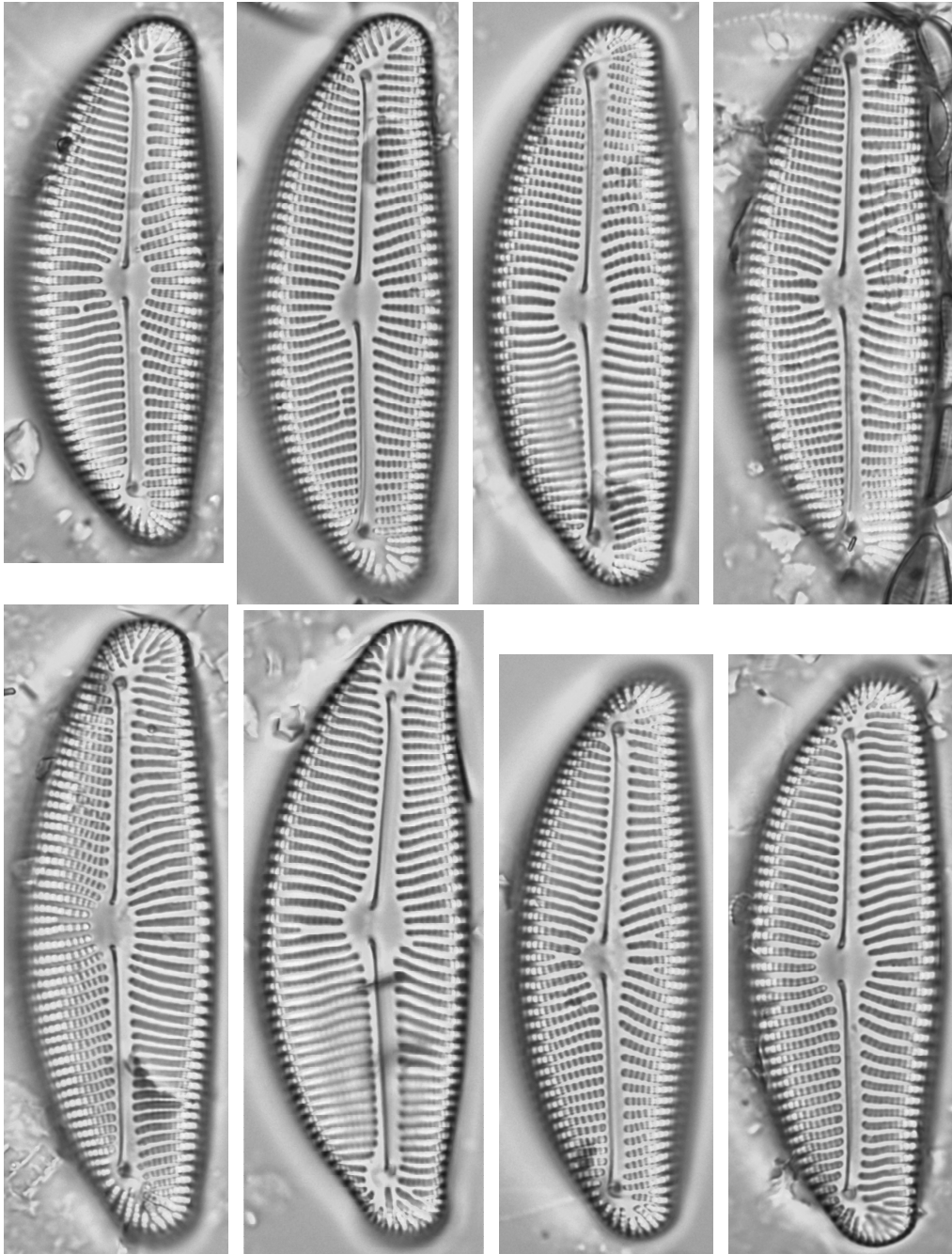
Figs 1-8: *Encyonema prostratum* (Berkeley) Kützing, p. 21 [EPRO]

Scale bar = 10 μm

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

Figs 1-8: Valve view.

Encyonema



1 - 8

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

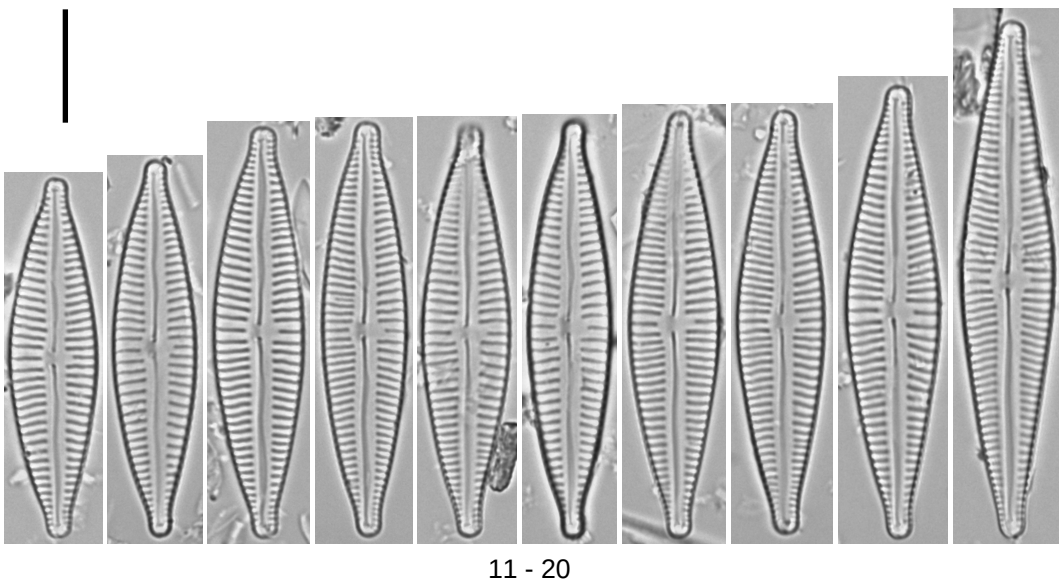
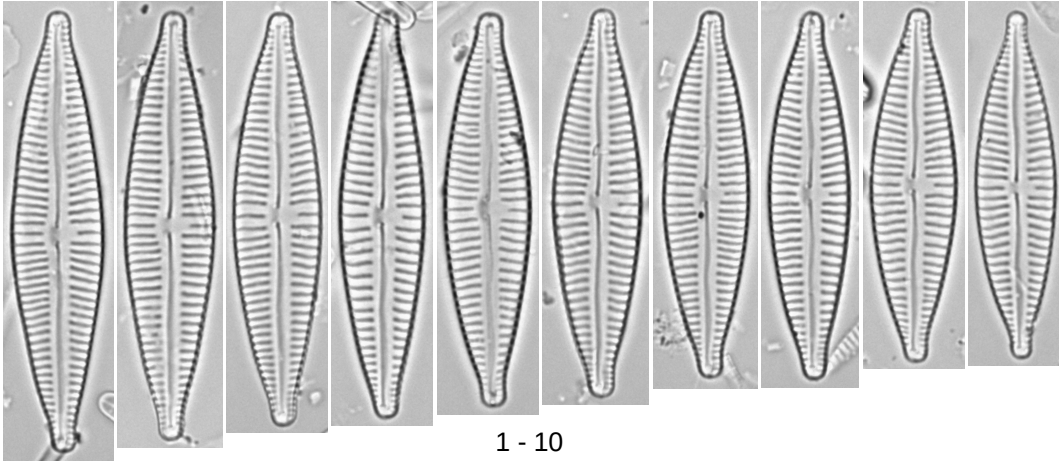


Plate 99

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

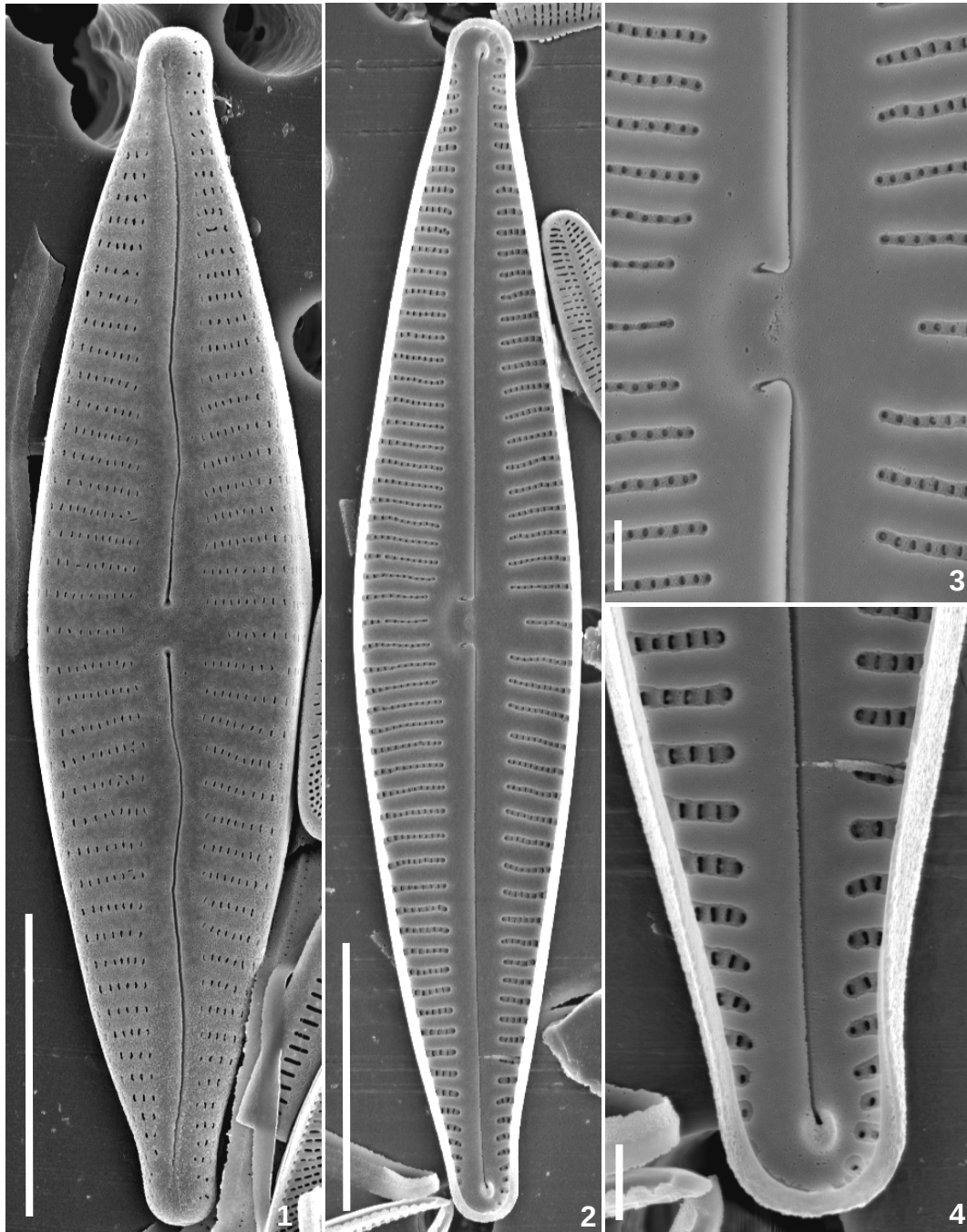


Plate 100

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 1-21: Assamaça, Valmar Stream (Mondego basin), 10-06-2007.

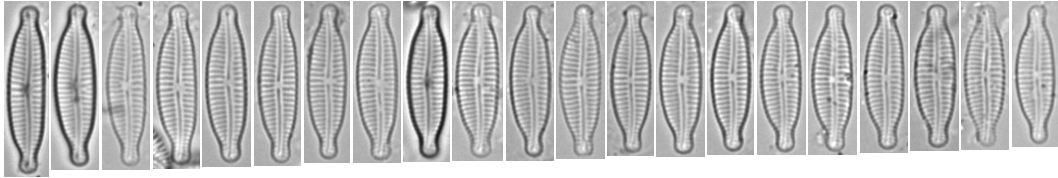
Figs 22-34: Tôr, Algibre Stream (Ribeiras do Algarve basin), 02-03-2006.

Figs 35-51, 58-78: Odeleite Reservoir, Odeleite Stream (Ribeiras do Algarve basin), 27-07-2006.

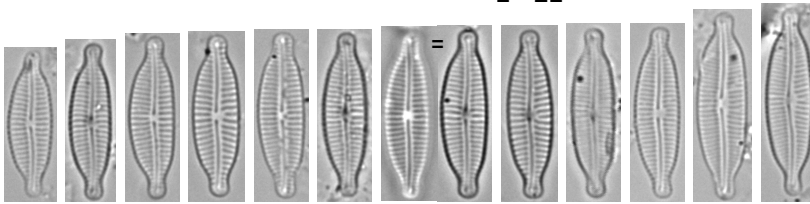
Figs 52-57: Oleiros, Seca Stream (Ribeiras do Algarve basin), 16-04-2006.

Figs 1-78: Valve view.

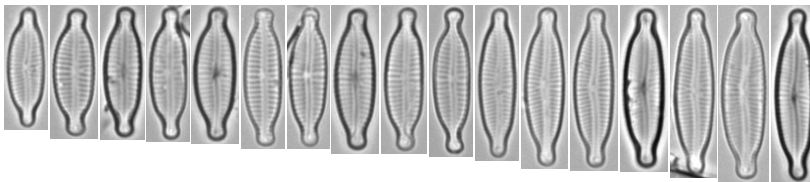
Encyonopsis



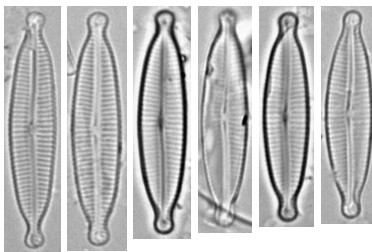
1 - 21



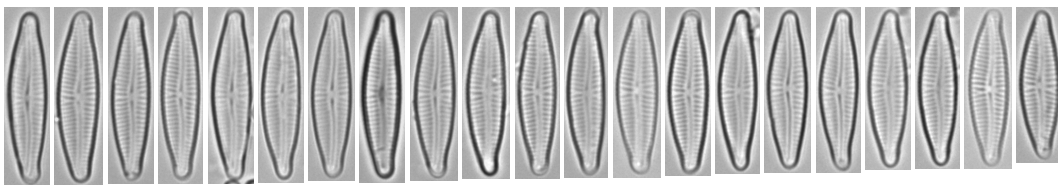
22 - 34



35 - 51



52 - 57



58 - 78

Plate 101

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

Scale bars = 1 μm

Figs 1-4: Assamaça, Valmar Stream (Mondego basin), 10-06-2007.

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

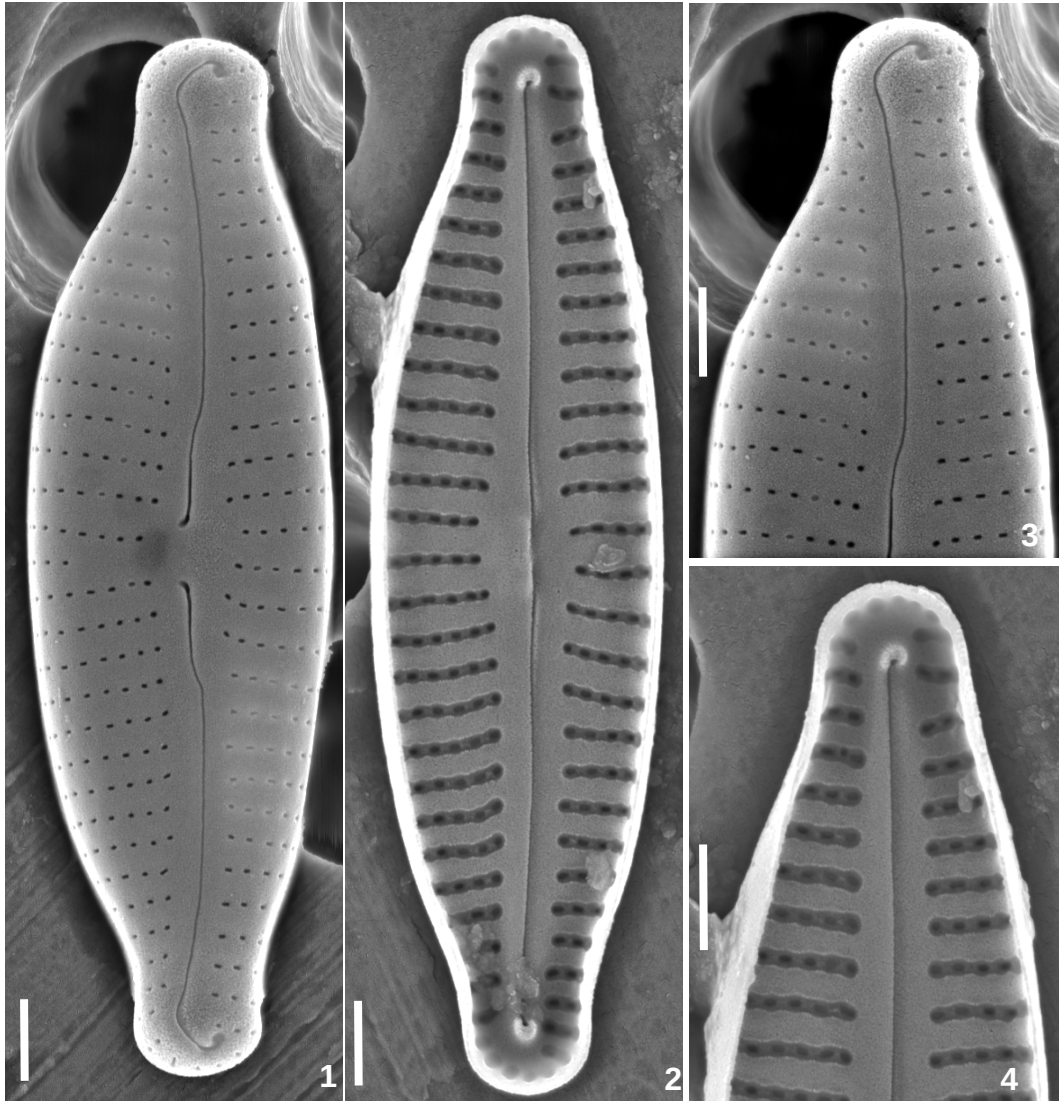


Plate 102

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

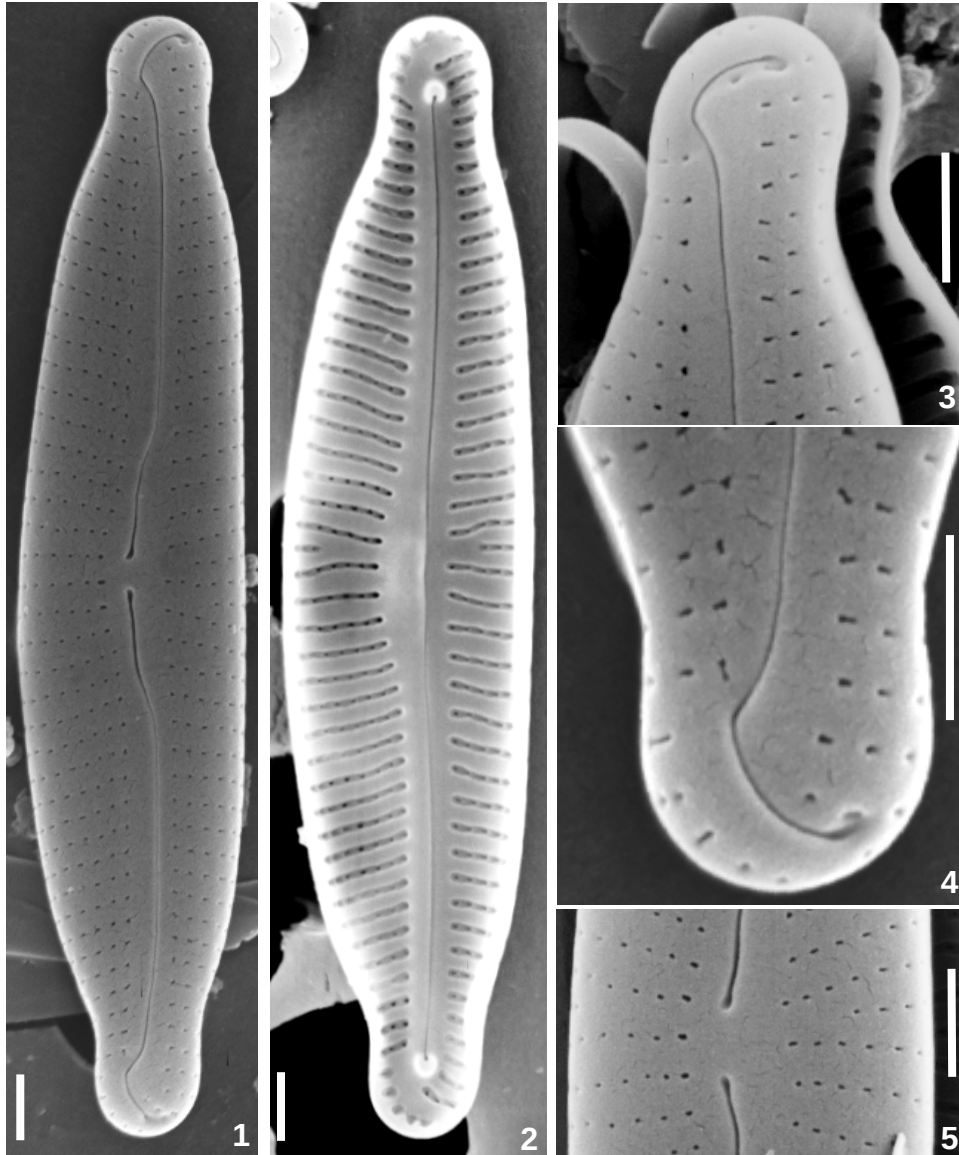


Plate 103

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

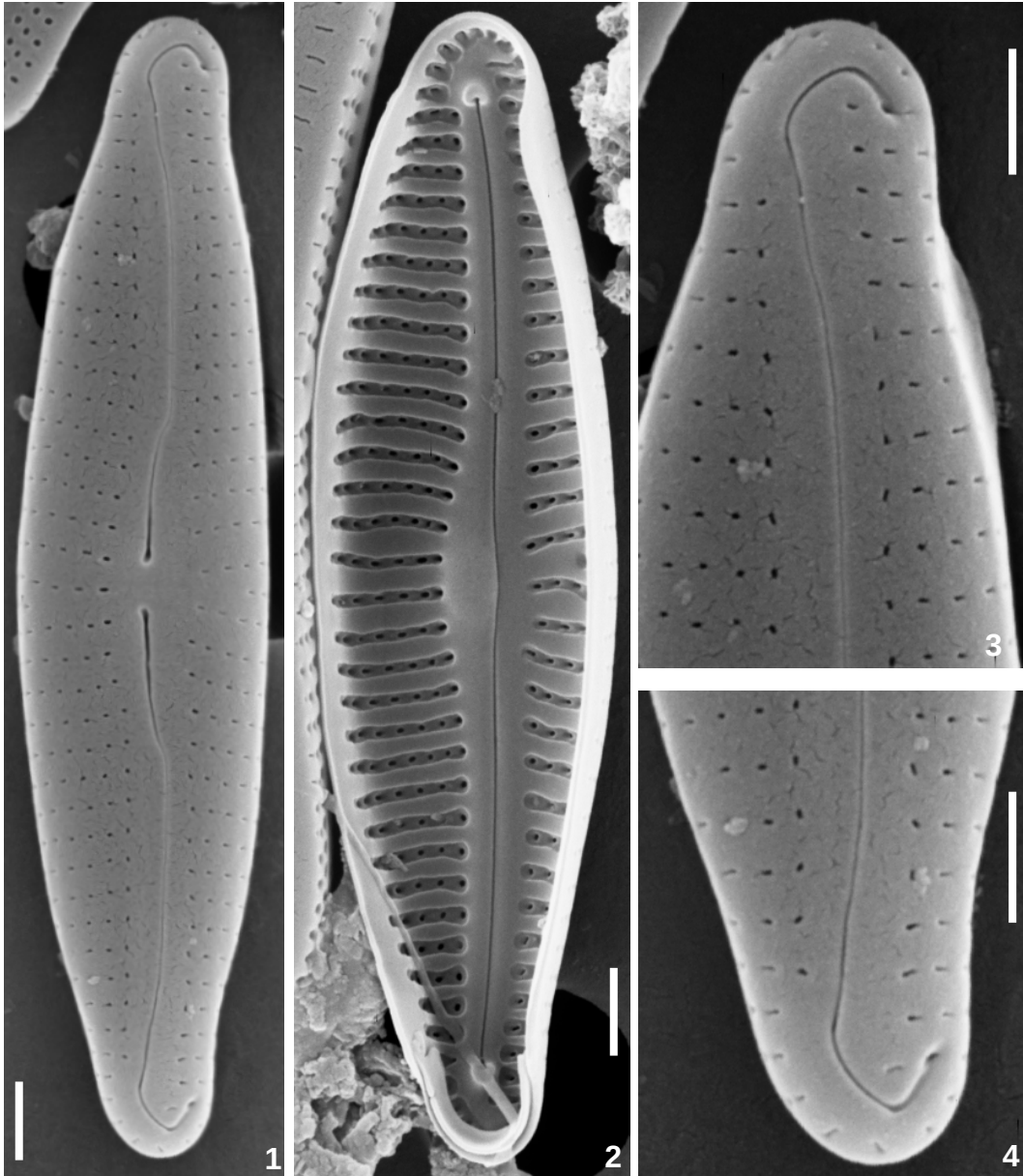


Plate 104

LM: x1500

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

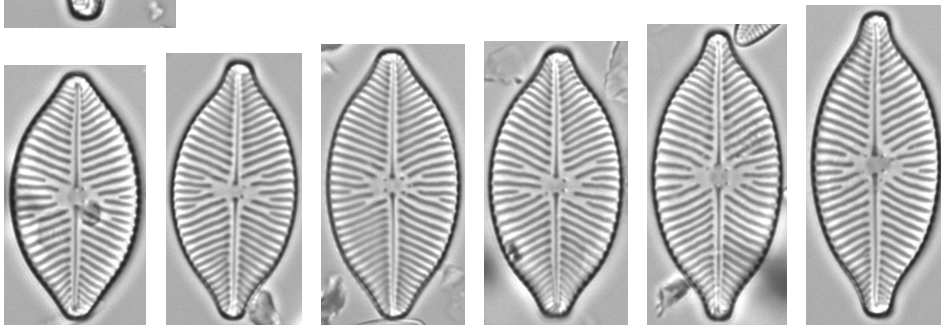
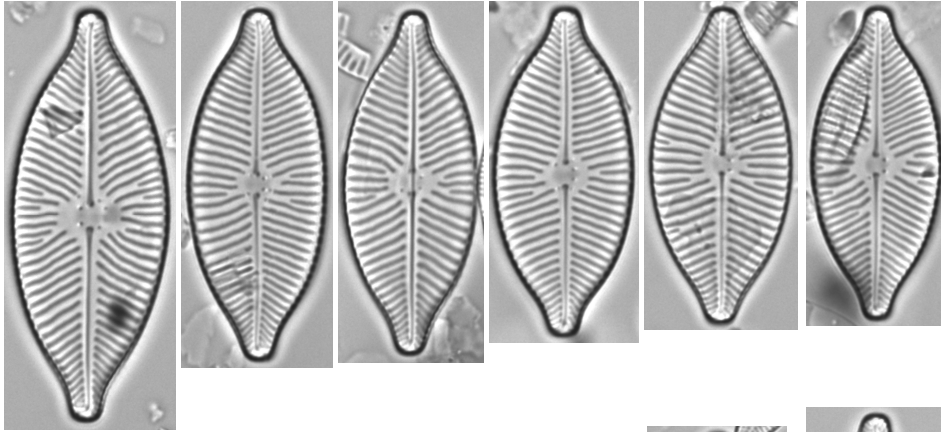
Scale bar = 10 μm

Figs 1-12: Coutada, Zêzere River (Tejo basin), 08-07-2006.

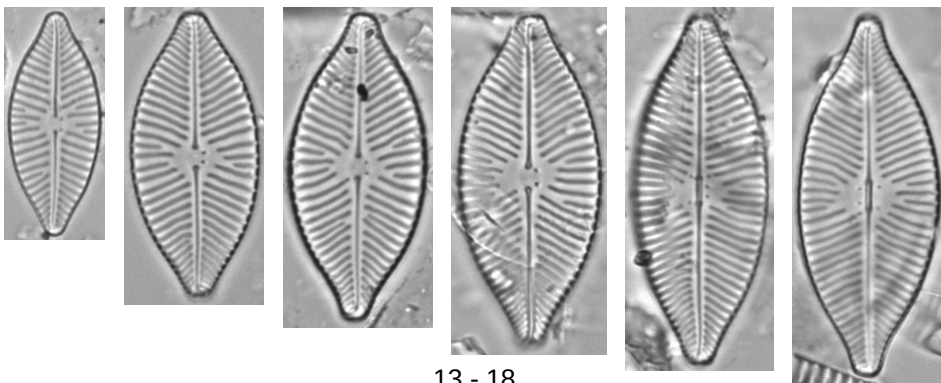
Figs 13-18: Prata Stream (Sado basin), 02-06-2006.

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]

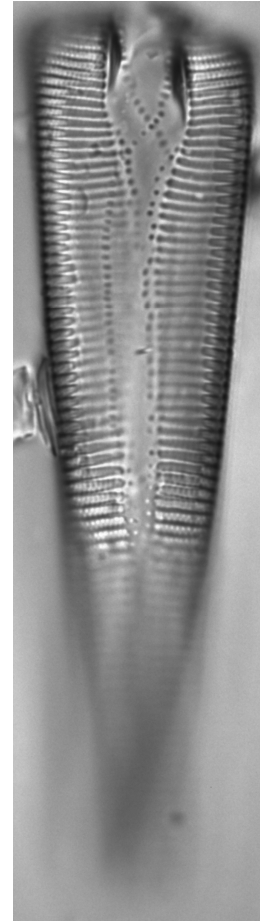
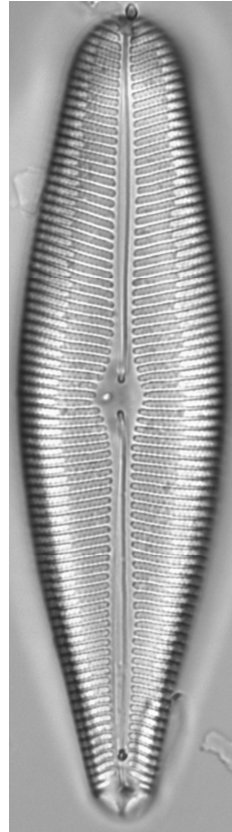
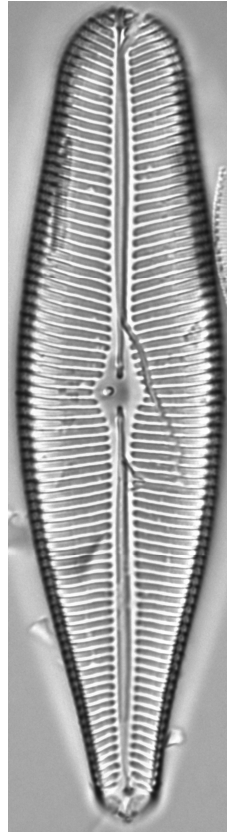
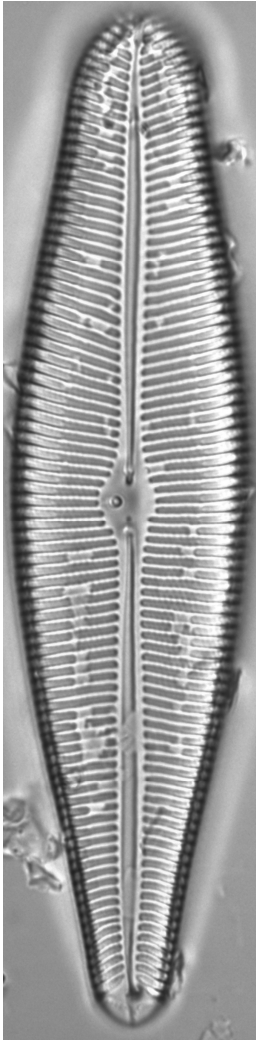
Scale bar = 10 μm

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

Figs 1-3: Valve view.

Fig. 4: Girdle view.

Gomphoneis



1 - 3

4

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.

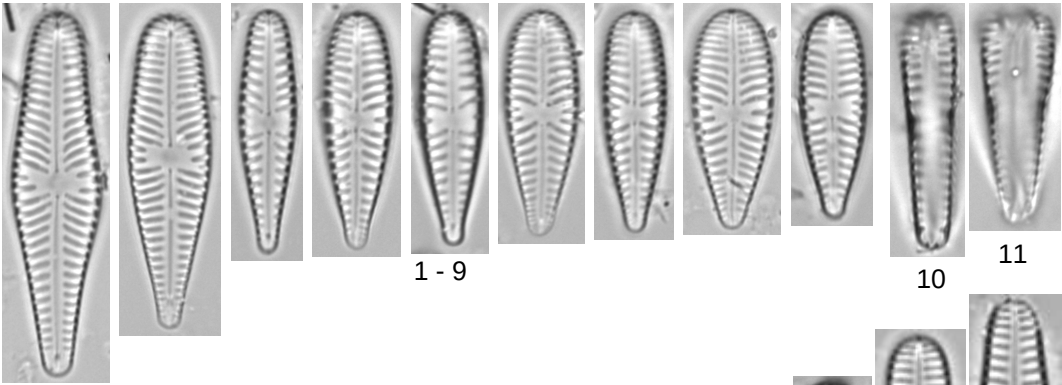
Figs 25-35: Espargal, Algibre Stream (Ribeiras do Algarve basin), 17-04-2006.

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.

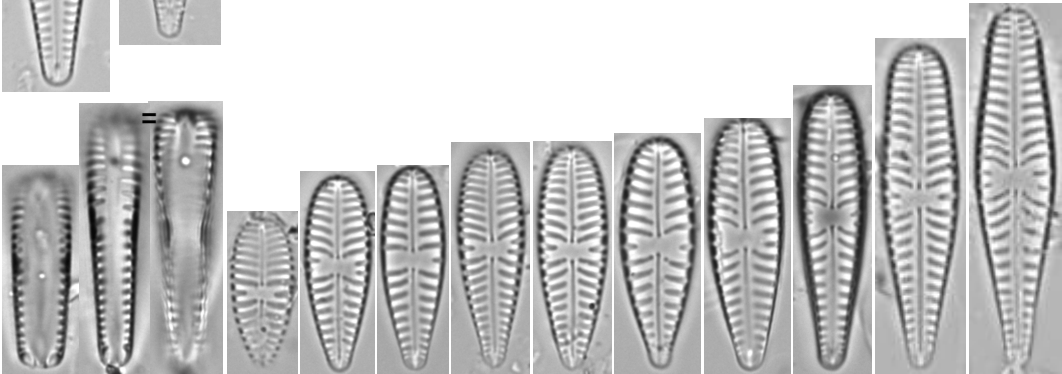
Gomphonema



1 - 9

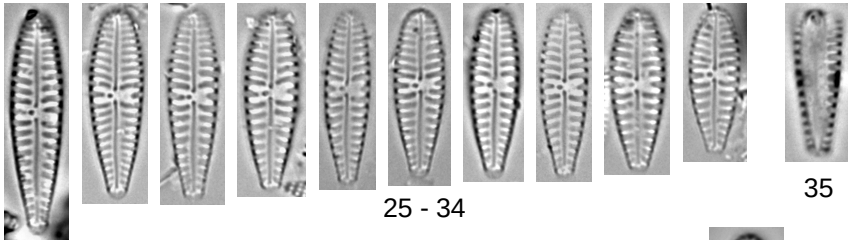
10

11



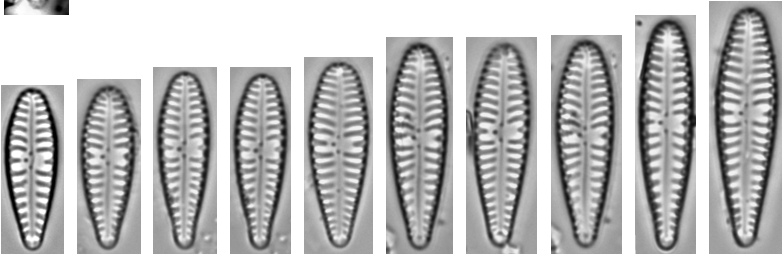
12 - 14

15 - 24



25 - 34

35



36 - 45

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: Monte da Fazenda, Era Stream (Tejo basin), 29-06-2006.

Figs 1-11: Valve view.