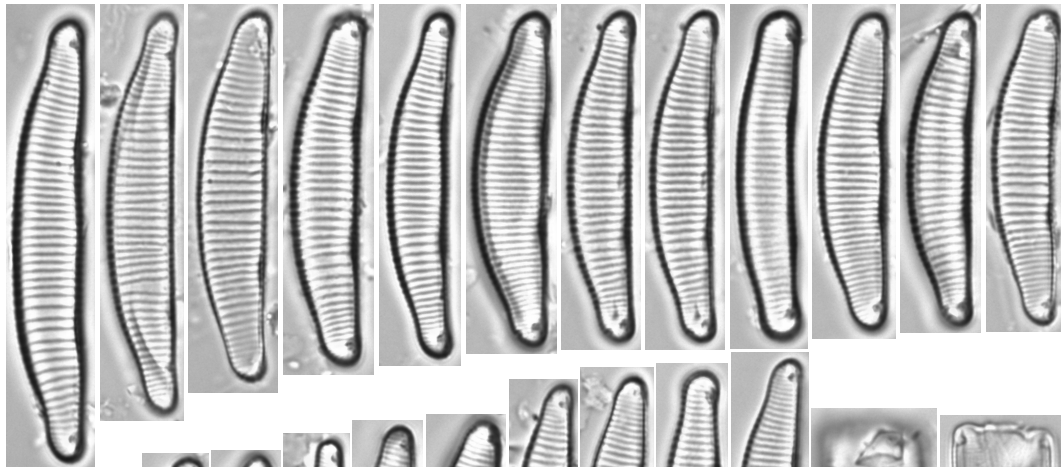
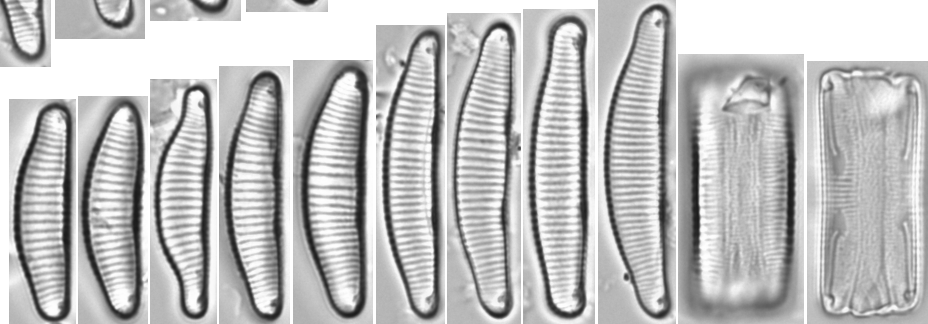


Eunotia

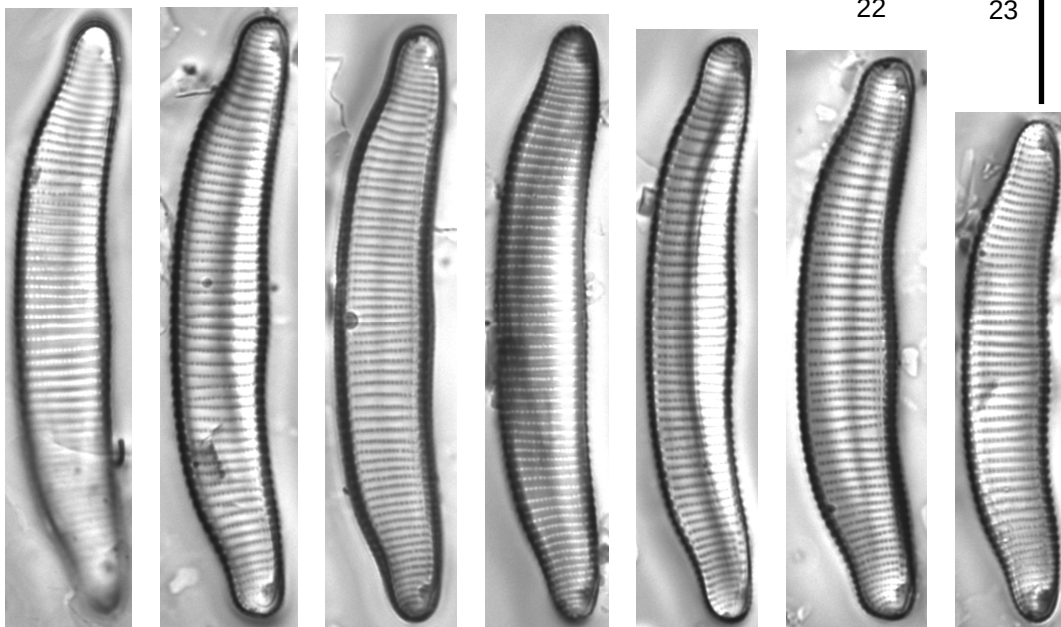


1 - 21



22

23



24 - 30

Plate 63

LM: x1500

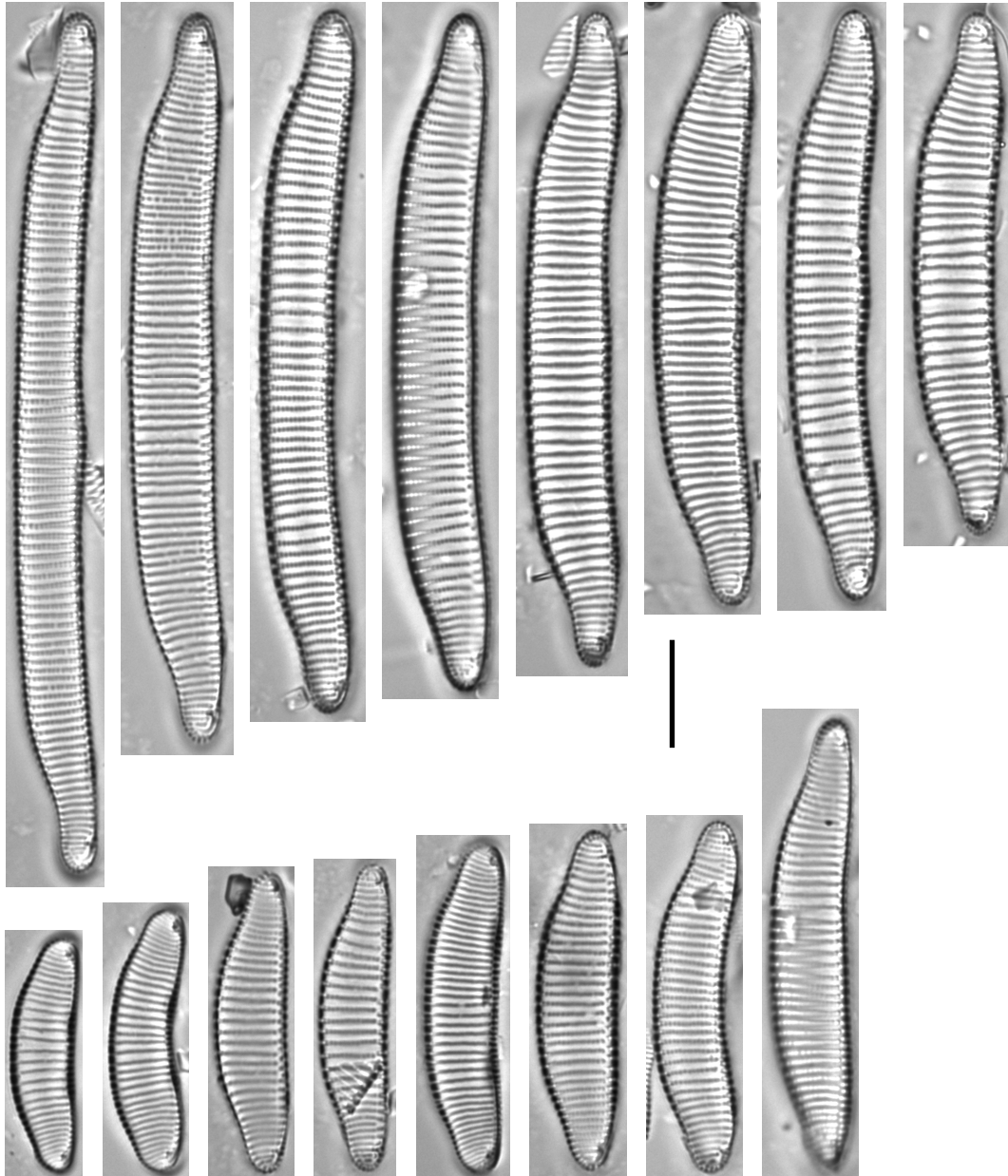
Figs 1-16: *Eunotia soleirolii* (Kützing) Rabenhorst, p. 17 [ESOL]

Scale bar = 10 μm

Figs 1-16: Monte da Fazenda, Era Stream (Tejo basin), 29-06-2006.

Figs 1-16: Valve view.

Eunotia



1 - 16

Plate 64

LM: x1500

Figs 1-22: *Eunotia* sp.1, p. 18

Figs 23-39: *Eunotia* sp.2 , p. 18

Scale bar = 10 μ m

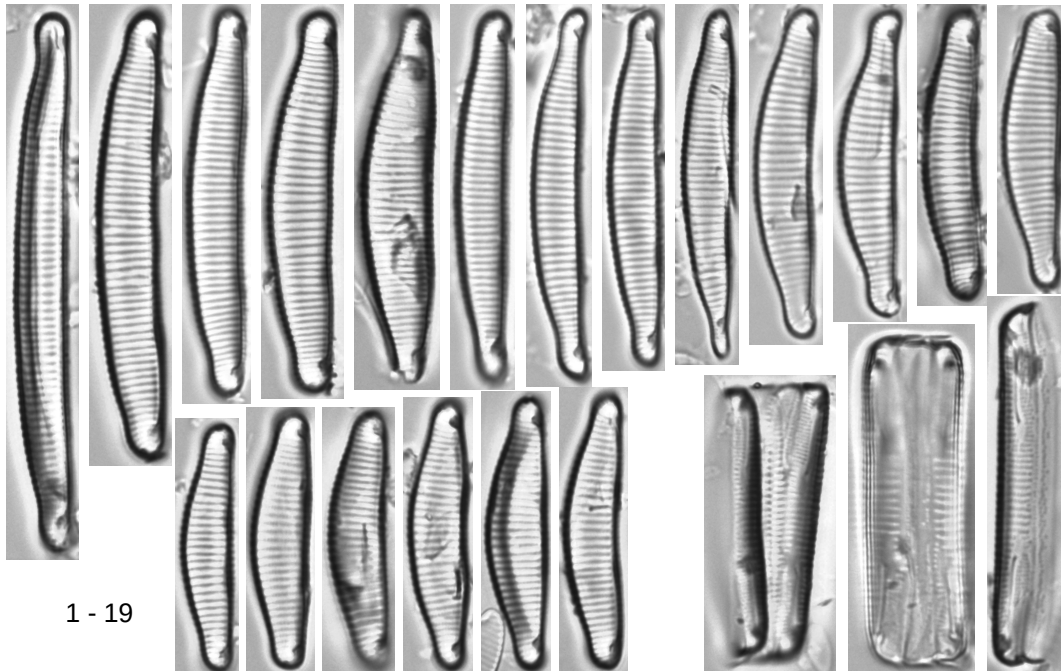
Figs 1-24: Outeiro das Cabras, Âncora River (Lima basin), 21-09-2007.

Figs 25-34: Monte da Fazenda, Era Stream (Tejo basin), 29-06-2006.

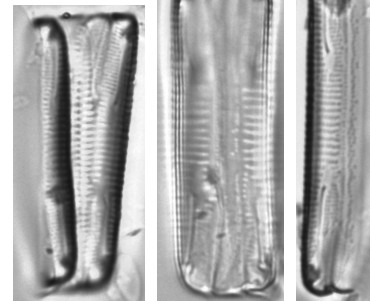
Figs 1-19, 23-39: Valve view.

Figs 20-22: Girdle view.

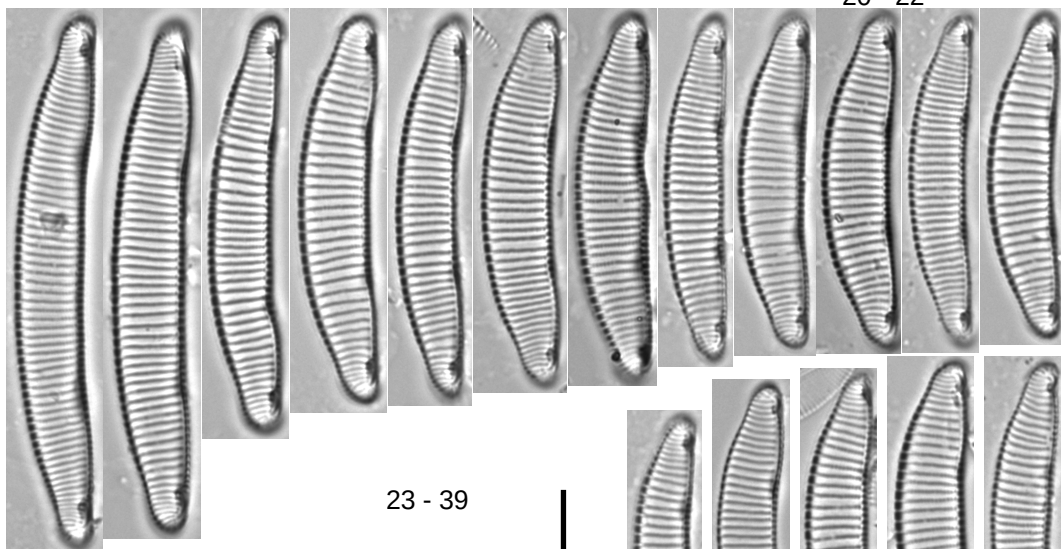
Eunotia



1 - 19



20 - 22



23 - 39

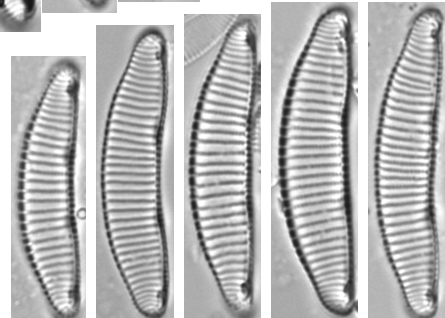


Plate 65

Figs 1-4: *Eunotia* sp.1, p. 18

Scale bars (Figs 1, 2) = 5 μm Scale bars (Figs 3, 4) = 1 μm

Figs 1-4: Outeiro das Cabras, Âncora River (Lima basin), 21-09-2007.

Fig. 1: External valve view.

Fig. 2: Internal valve view.

Fig. 3: Detail of the apical area in internal view.

Fig. 4: Detail of the apical area in external view.

Eunotia

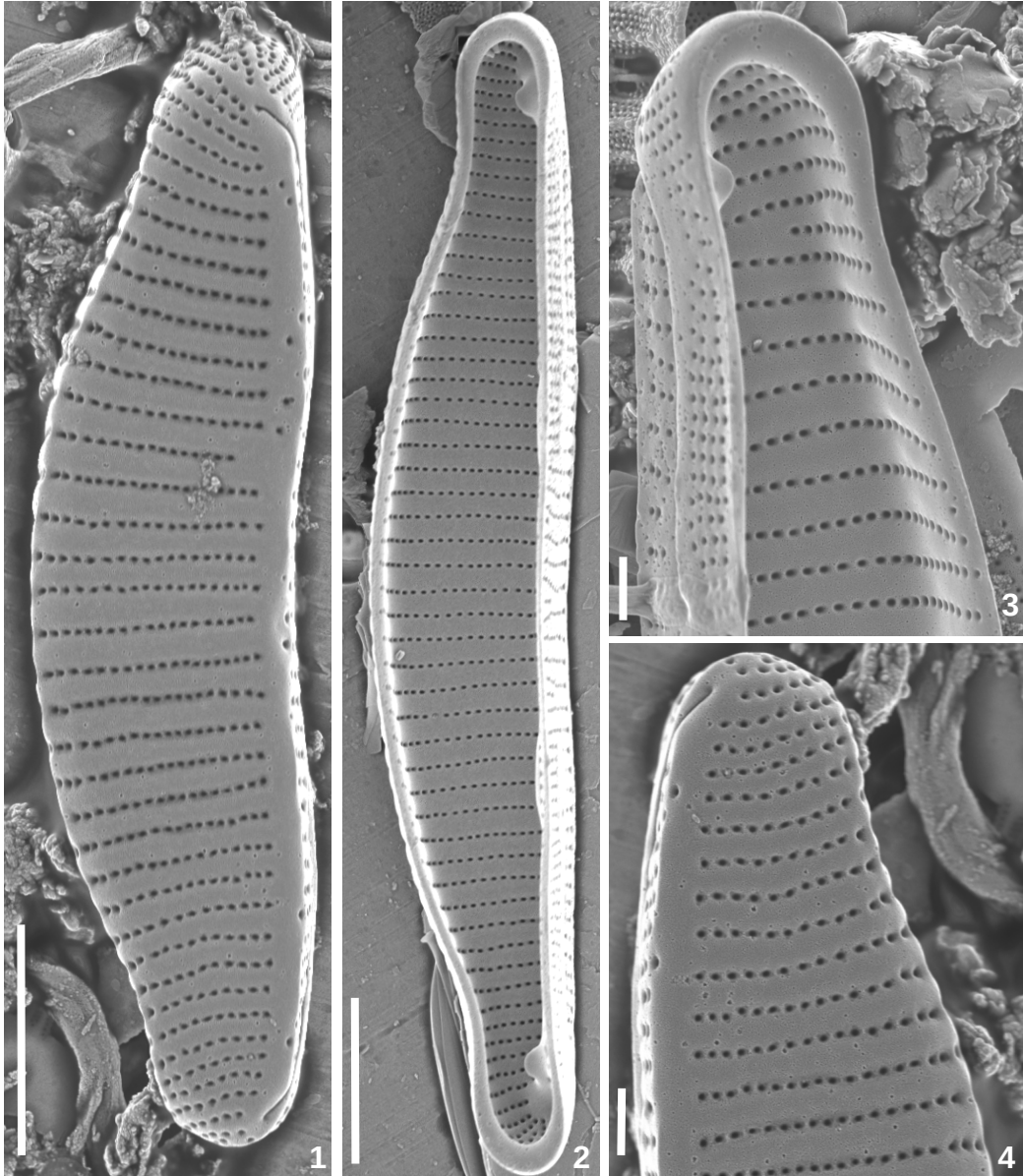


Plate 66

LM: x1500

Figs 1-8: *Eunotia pectinalis* (Kützing) Rabenhorst, p. 17 [EPEC]

Scale bar = 10 μm

Figs 1-4: Brunhais, Ave River (Ave basin), 25-09-2007.

Figs 5-8: Mata da Rainha, Taveiró Stream (Tejo basin), 24-06-2006.

Figs 1-4, 7, 8: Valve view.

Figs 5, 6: Girdle view.

Eunotia

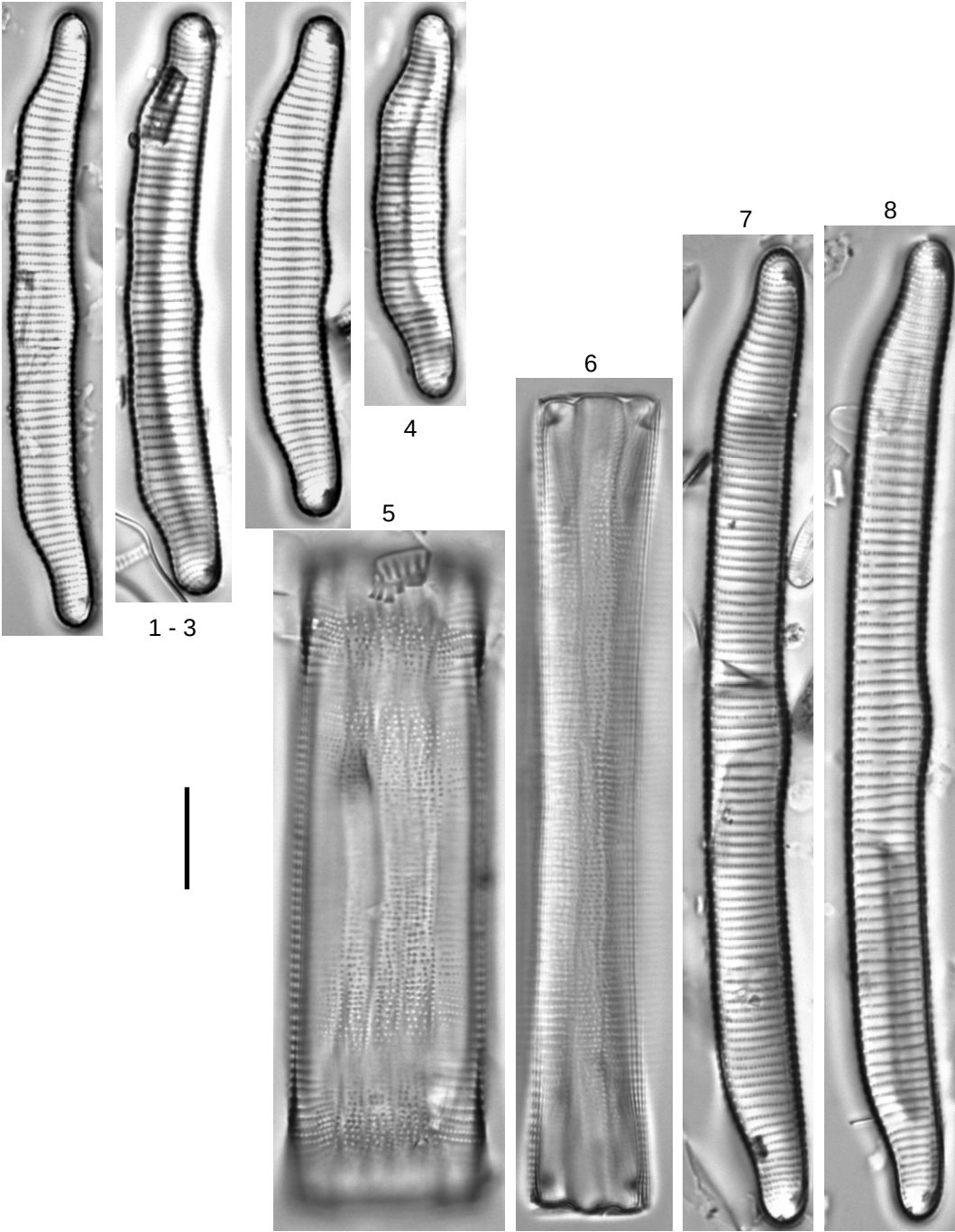


Plate 67

Figs 1-5: *Eunotia pectinalis* (Kützing) Rabenhorst, p. 17 [EPEC]

Scale bars (Figs 1, 2) = 10 μm Scale bars (Figs 3-5) = 1 μm

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

Figs 1: External valve view.

Fig. 2: Internal valve view.

Fig. 3: Detail of the apical area in external view.

Figs 4, 5: Detail of the apical area in internal view.

Eunotia

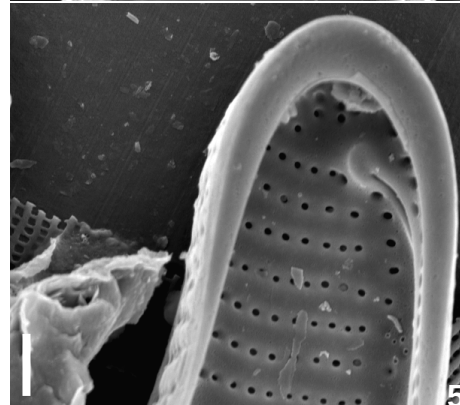
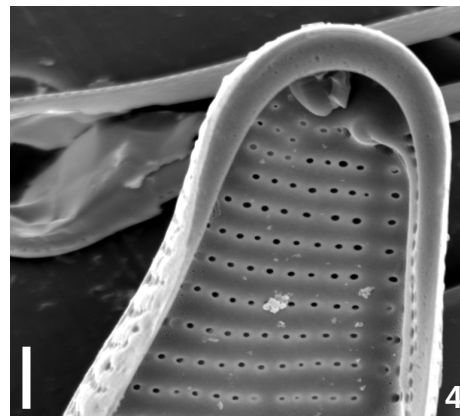
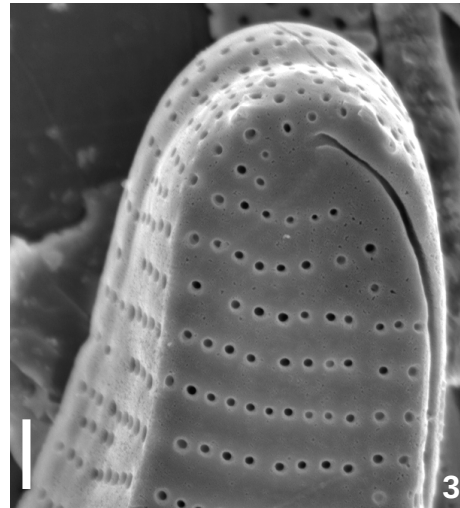
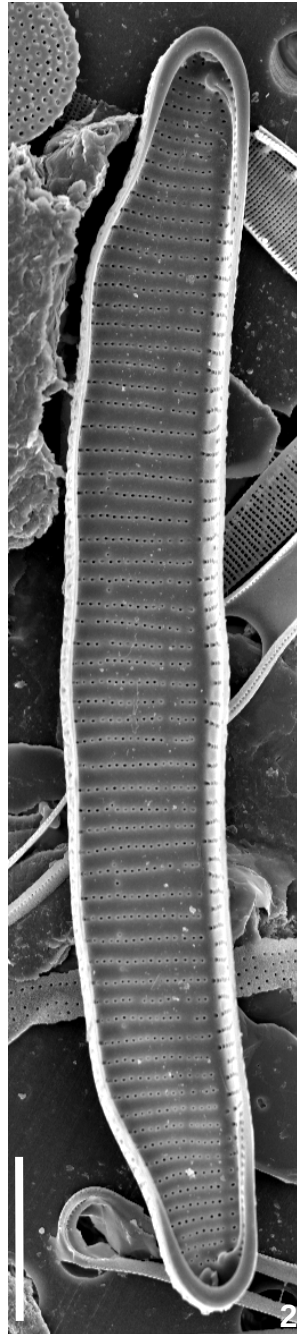
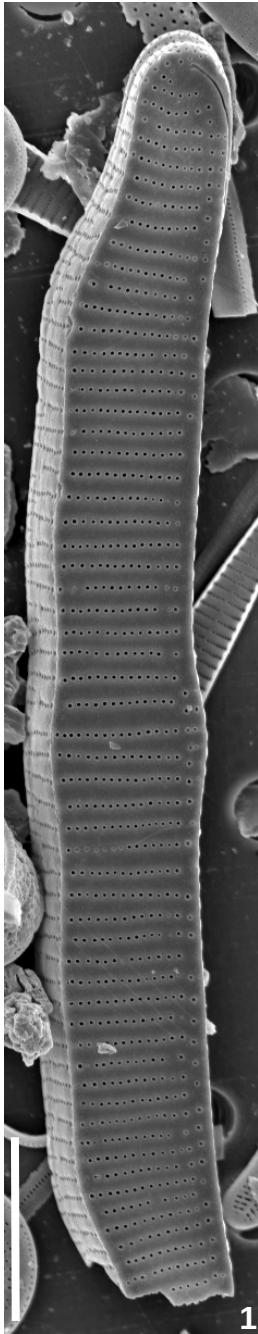


Plate 68

LM: x1500

Figs 1, 2: *Eunotia* sp.3, p. 18

Figs 3-15: *Eunotia* sp.4, p. 18

Figs 16-20: *Eunotia* sp.5, p. 18

Figs 21-40: *Eunotia* sp.6, p. 18

Figs 41-83: *Eunotia subarcuatoidea* Alles, Nörpel-Schempp & Lange-Bertalot,
p. 17 [ESUB]

Scale bar = 10 μ m

Figs 1, 2: Ponte do Pingue, Moreira Stream (Ave basin), 25-09-2007.

Figs 3-20, 41-83: Outeiro das Cabras, Âncora River (Lima basin), 21-09-2007.

Figs 21-40: Senra, Lima River (Lima basin), 27-09-2007.

Figs 1-20, 23-82: Valve view.

Figs 21, 22, 83: Girdle view.

Eunotia

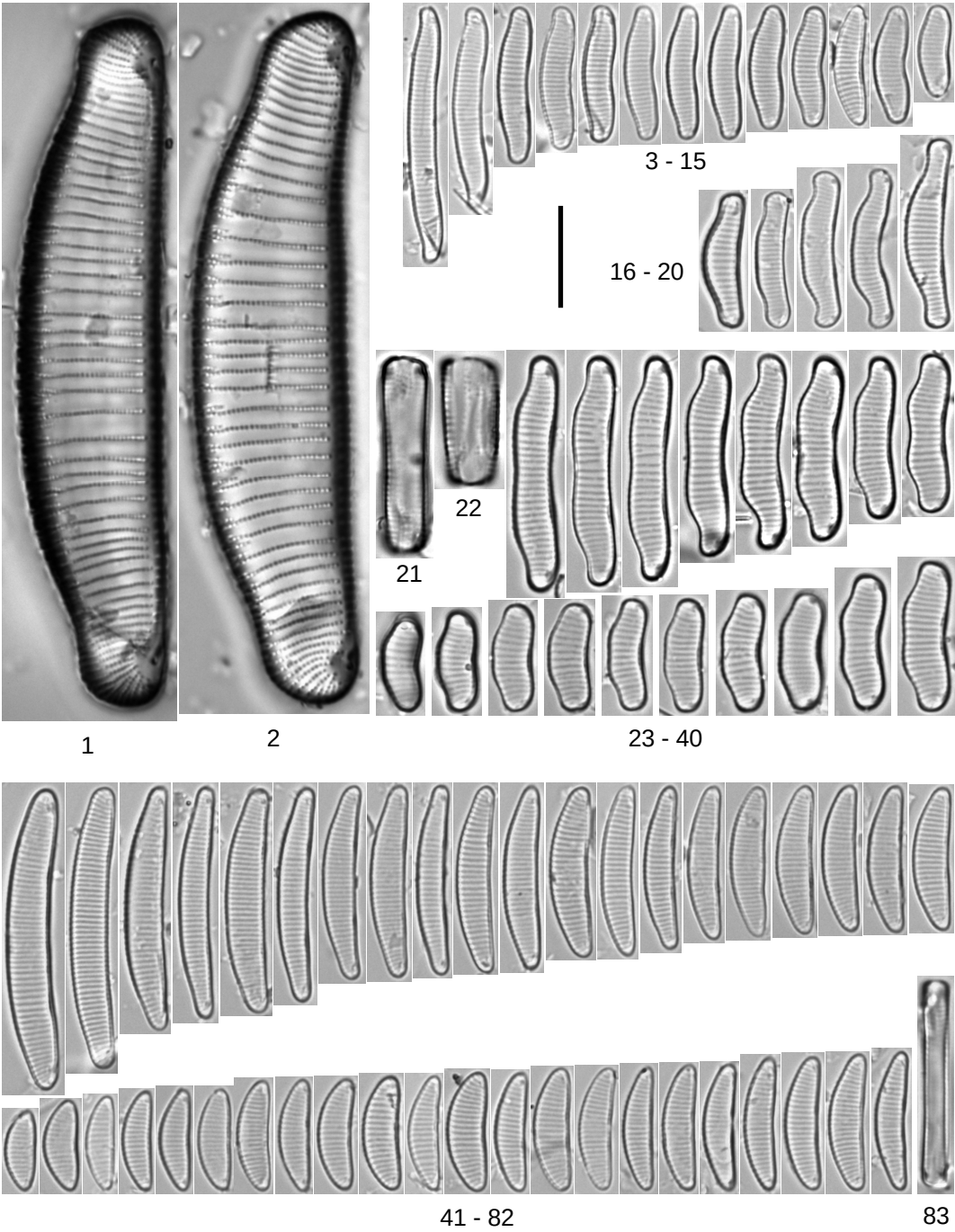


Plate 69

Figs 1-5: *Eunotia* sp.4, p. 18

Scale bars = 1 μm

Figs 1-5: Outeiro das Cabras, Âncora River (Lima basin), 21-09-2007.

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: Internal view of oblique valve.

Eunotia

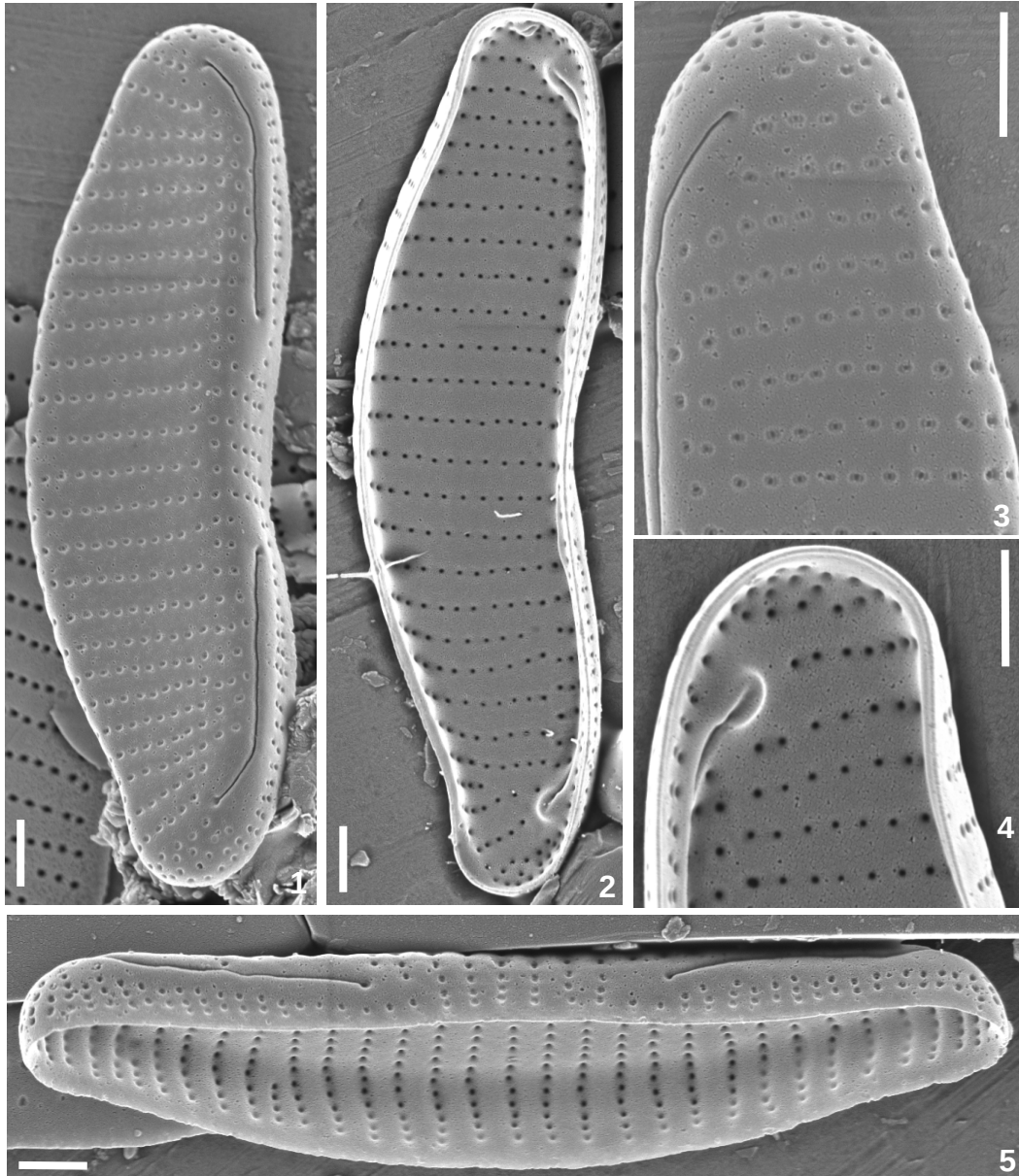


Plate 70

Figs 1-5: *Eunotia* sp.6, p. 18

Scale bars = 1 μm

Figs 1-5: Senra, Lima River (Lima basin), 27-09-2007.

Figs 1, 2: External valve view.

Fig. 3: Internal valve view.

Fig. 4: Detail of the apical area in internal view.

Fig. 5: Detail of the apical area in external view.

Eunotia

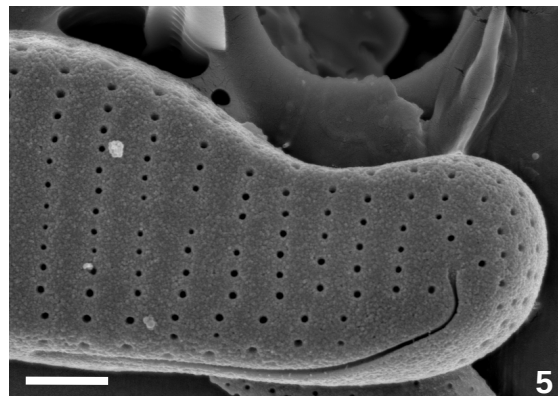
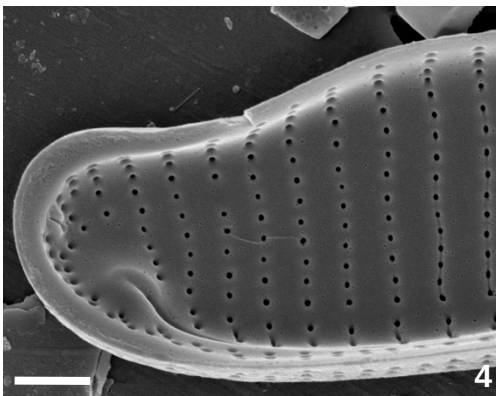
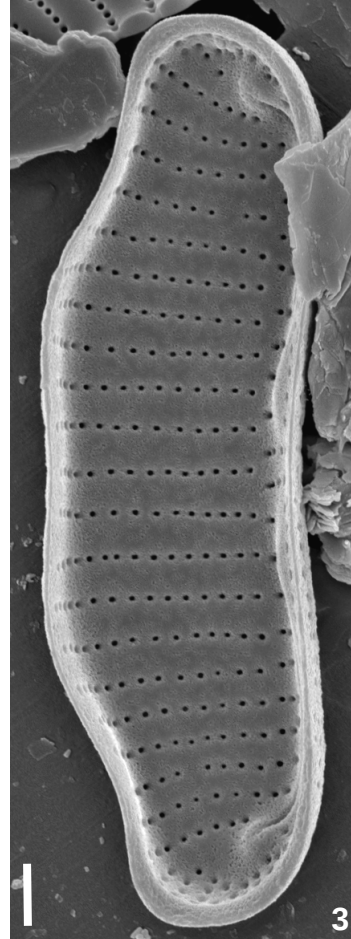
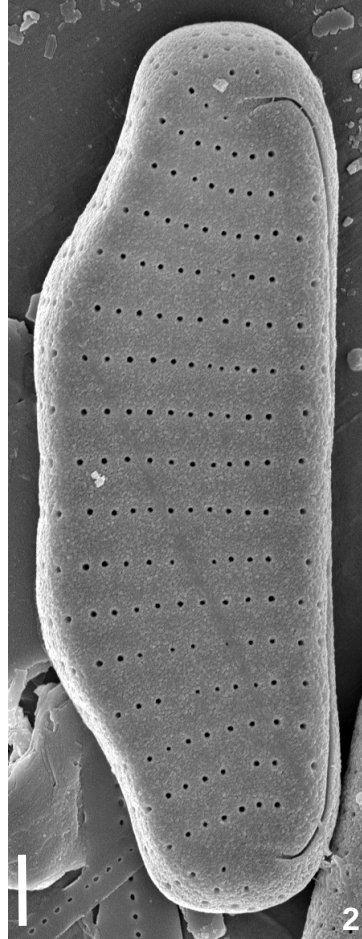
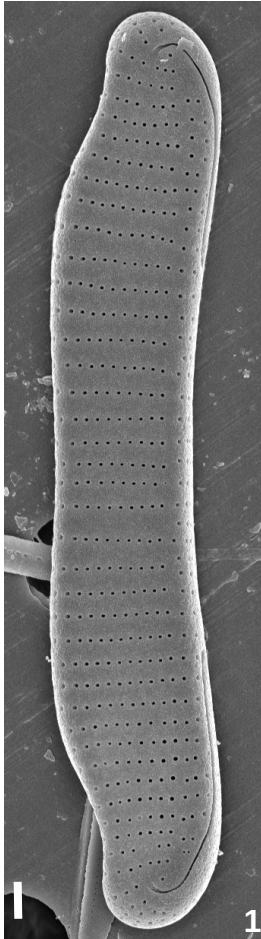


Plate 71

Figs 1-5: *Eunotia subarcuatooides* Alles, Nörpel-Schempp & Lange-Bertalot,
p. 17 [ESUB]

Scale bars (Figs 1-3) = 5 μm Scale bars (Figs 4, 5) = 1 μm

Figs 1-5: Outeiro das Cabras, Âncora River (Lima basin), 21-09-2007.

Figs 1, 3: External valve view.

Fig. 2: Internal valve view.

Fig. 4: Detail of the apical area in internal view.

Fig. 5: Detail of the apical area in external view.

Eunotia

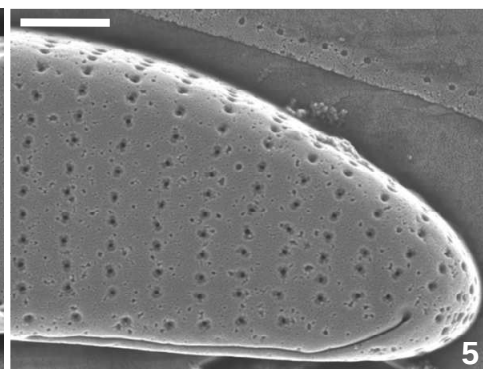
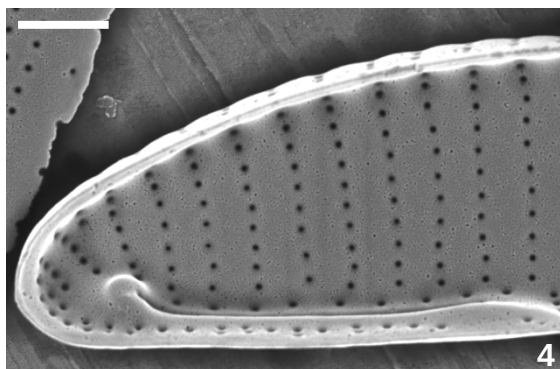
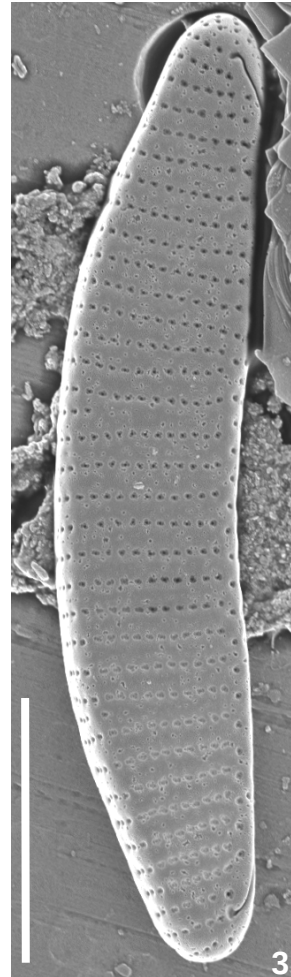
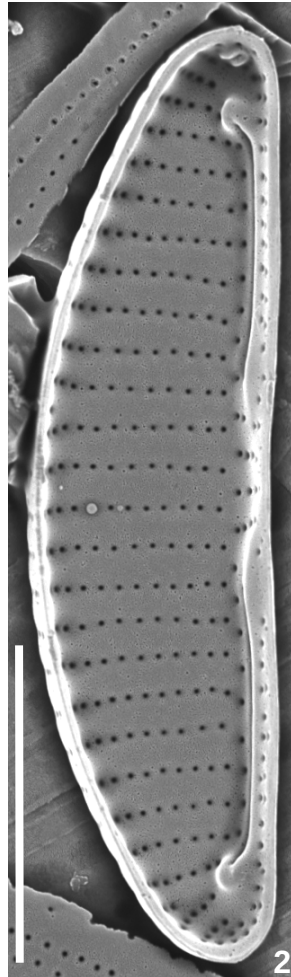
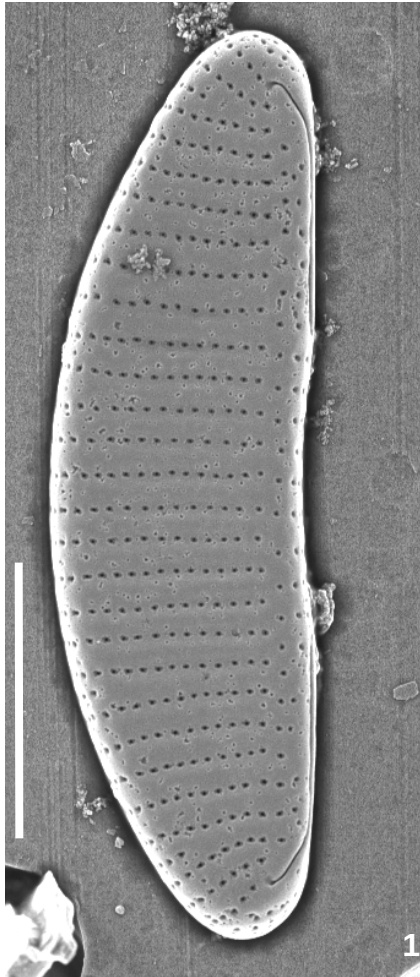


Plate 72

LM: x1500

Figs 1-17: *Aneumastus minor* var. *densistriatus* Levkov & Krstic in Levkov, Krstic, Metzeltin & Nakov 2007, p. 18 [ANMD]

Figs 18-48: *Diploneis separanda* Lange-Bertalot, p. 41 [DSEP]

Scale bar = 10 μm

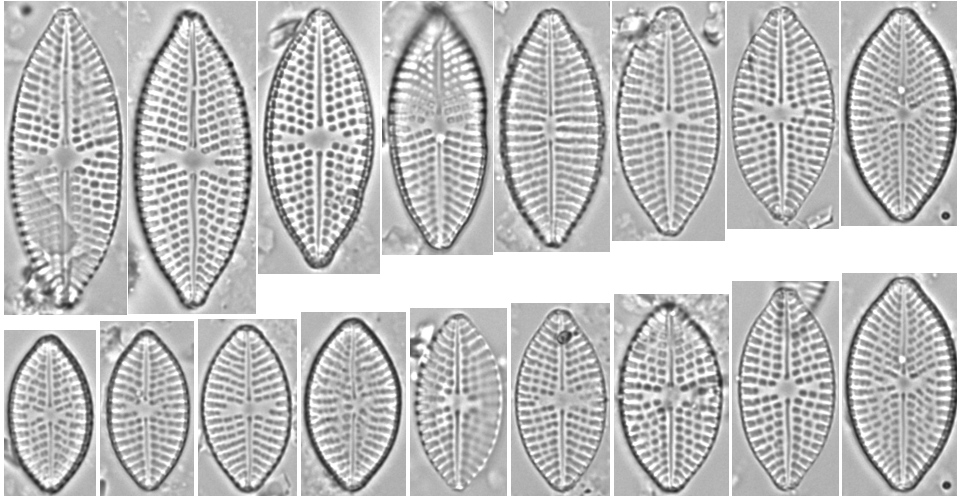
Figs 1-17: Constância, Tejo River (Tejo basin), 06-07-2006.

Figs 18-37: Assamaça, Valmar Stream (Mondego basin), 10-06-2007.

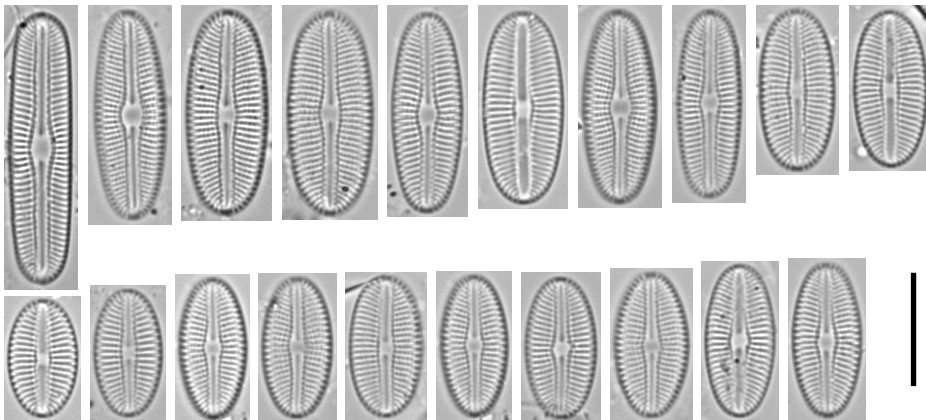
Figs 38-48: Luzianes, Monte Novo Stream (Mira basin), 09-05-2006.

Figs 1-48: Valve view.

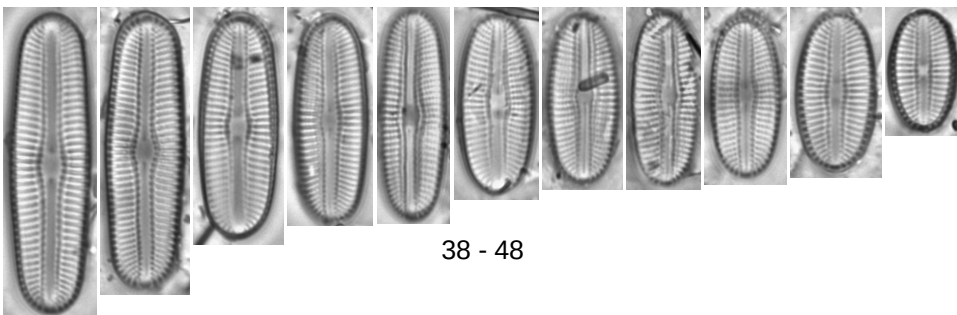
Aneumastus
Diploneis



1 - 17



18 - 37



38 - 48

Plate 73

Figs 1-5: *Diploneis separanda* Lange-Bertalot, p. 41 [DSEP]

Scale bars (Figs 1-3) = 5 μm Scale bars (Figs 4, 5) = 1 μm

Figs 1-5: Assamaça, Valmar Stream (Mondego basin), 10-06-2007.

Figs 1, 2: External valve view.

Fig. 3: Internal valve view.

Fig. 4: Detail of the central area in external valve view.

Fig. 5: Detail of the central area in internal valve view.

Diploneis

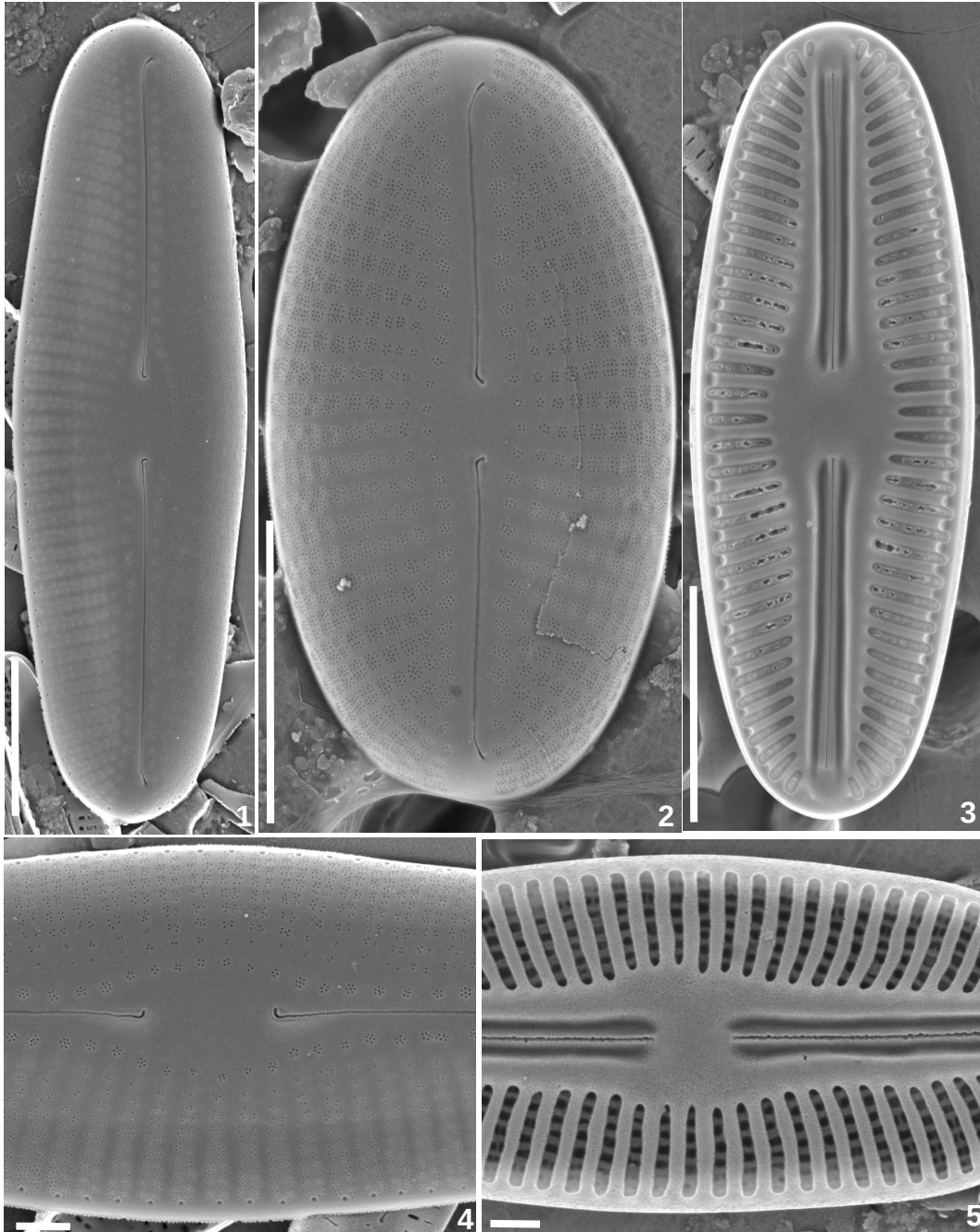


Plate 74

LM: x1500

Figs 1-27: *Rhoicosphenia adriatica* Caput Mihalić & Levkov, p. 19

Figs 28-43: *Rhoicosphenia abbreviata* (C. Agardh) Lange-Bertalot, p. 18 [RABB]

Scale bar = 10 μm

Figs 1-27: Odemira, Mira River (Mira basin), 09-05-2006.

Figs 28-43: Vale da Arca, Vale da Ursa Stream (Sado basin), 05-04-2006.

Figs 1-17, 28-35: Valve view.

Figs 18-27, 36-43: Girdle view.