

BG - Special Issue**Interactions between planktonic organisms and the biogeochemical cycles of biogenic elements in the Mediterranean Sea during intense summer stratification: the BOUM experiment**

Editor(s): T. Moutin, L. Prieur, C. Jeanthon, and A. V. Borges

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T. Moutin, F. Van Wambeke, and L. Prieur

Biogeosciences, 9, 3817-3825, 2012

[Abstract](#) [Final Revised Paper](#) (PDF, 1213 KB) [Discussion Paper](#) (BGD)**Influence of anticyclonic eddies on the Biogeochemistry from the Oligotrophic to the Ultraoligotrophic Mediterranean (BOUM cruise)** 08 Oct 2012

T. Moutin and L. Prieur

Biogeosciences, 9, 3827-3855, 2012

[Abstract](#) [Final Revised Paper](#) (PDF, 3154 KB) [Supplement](#) (408 KB)[Discussion Paper](#)**Characterization of turbulence from a fine-scale parameterization and microstructure measurements in the Mediterranean Sea during the BOUM experiment** 14 Aug 2012

Y. Cuypers, P. Bouruet-Aubertot, C. Marec, and J.-L. Fuda

Biogeosciences, 9, 3131-3149, 2012

[Abstract](#) [Final Revised Paper](#) (PDF, 3544 KB) [Discussion Paper](#) (BGD)**Characterization of the bio-optical anomaly and diurnal variability of particulate matter, as seen from scattering and backscattering coefficients, in ultra-oligotrophic eddies of the Mediterranean Sea** 14 Nov 2011

H. Loisel, V. Vantrepotte, K. Norkvist, X. Mériaux, M. Kheireddine, J. Ras, M. Pujo-Pay,

Y. Combet, K. Leblanc, G. Dall'Olmo, R. Mauriac, D. Dessailly, and T. Moutin

Biogeosciences, 8, 3295-3317, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1959 KB) [Discussion Paper](#) (BGD)**Inferring phytoplankton carbon and eco-physiological rates from diel cycles of spectral particulate beam-attenuation coefficient** 28 Nov 2011

G. Dall'Olmo, E. Boss, M. J. Behrenfeld, T. K. Westberry, C. Courties, L. Prieur, M. Pujo-

Pay, N. Hardman-Mountford, and T. Moutin

Biogeosciences, 8, 3423-3439, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1946 KB) [Discussion Paper](#) (BGD)**Integrated survey of elemental stoichiometry (C, N, P) from the western to eastern Mediterranean Sea** 08 Apr 2011

M. Pujo-Pay, P. Conan, L. Oriol, V. Cornet-Barthaux, C. Falco, J.-F. Ghiglione, C. Goyet,

T. Moutin, and L. Prieur

Biogeosciences, 8, 883-899, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 2910 KB) [Discussion Paper](#) (BGD)**Deep silicon maxima in the stratified oligotrophic Mediterranean Sea** 17 Feb 2011

Y. Crombet, K. Leblanc, B. Quéguiner, T. Moutin, P. Rimmelin, J. Ras, H. Claustre,

N. Leblond, L. Oriol, and M. Pujo-Pay

Biogeosciences, 8, 459-475, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 3757 KB) [Discussion Paper](#) (BGD)

Planktonic dinitrogen fixation along a longitudinal gradient across the Mediterranean Sea during the stratified period (BOUM cruise) 19 Aug 2011

S. Bonnet, O. Grosso, and T. Moutin
Biogeosciences, 8, 2257-2267, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1096 KB) [Discussion Paper](#) (BGD)

Nutrient control of N₂ fixation in the oligotrophic Mediterranean Sea and the impact of Saharan dust events 29 Sep 2011

C. Ridame, M. Le Moal, C. Guieu, E. Ternon, I. C. Biegala, S. L'Helguen, and M. Pujo-Pay
Biogeosciences, 8, 2773-2783, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1098 KB) [Discussion Paper](#) (BGD)

Longitudinal variability of the biogeochemical role of Mediterranean aerosols in the Mediterranean Sea 05 May 2011

E. Ternon, C. Guieu, C. Ridame, S. L'Helguen, and P. Catala
Biogeosciences, 8, 1067-1080, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 2293 KB) [Discussion Paper](#) (BGD)

Microbial food webs and metabolic state across oligotrophic waters of the Mediterranean Sea during summer 12 Jul 2011

U. Christaki, F. Van Wambeke, D. Lefevre, A. Lagaria, L. Prieur, M. Pujo-Pay, J.-D. Grattepanche, J. Colombet, S. Psarra, J. R. Dolan, T. Sime-Ngando, P. Conan, M. G. Weinbauer, and T. Moutin
Biogeosciences, 8, 1839-1852, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1676 KB) [Discussion Paper](#) (BGD)

Distribution of epipelagic metazooplankton across the Mediterranean Sea during the summer BOUM cruise 09 Aug 2011

A. Nowaczyk, F. Carlotti, D. Thibault-Botha, and M. Pagano
Biogeosciences, 8, 2159-2177, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1958 KB) [Discussion Paper](#) (BGD)

Dissolved and particulate primary production along a longitudinal gradient in the Mediterranean Sea 28 Mar 2011

D. C. López-Sandoval, A. Fernández, and E. Marañón
Biogeosciences, 8, 815-825, 2011

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Accumulation of DOC in Low Phosphate Low Chlorophyll (LPLC) area: is it related to higher production under high N:P ratio? 15 Apr 2011

R. Mauriac, T. Moutin, and M. Baklouti
Biogeosciences, 8, 933-950, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1627 KB) [Discussion Paper](#) (BGD)

The effects of nutrient additions on particulate and dissolved primary production and metabolic state in surface waters of three Mediterranean eddies 14 Sep 2011

A. Lagaria, S. Psarra, D. Lefèvre, F. Van Wambeke, C. Courties, M. Pujo-Pay, L. Oriol, T. Tanaka, and U. Christaki
Biogeosciences, 8, 2595-2607, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1817 KB) [Discussion Paper](#) (BGD)

Lack of P-limitation of phytoplankton and heterotrophic prokaryotes in surface waters of three anticyclonic eddies in the stratified Mediterranean Sea 28 Feb 2011

T. Tanaka, T. F. Thingstad, U. Christaki, J. Colombet, V. Cornet-Barthaux, C. Courties, J.-D. Grattepanche, A. Lagaria, J. Nedoma, L. Oriol, S. Psarra, M. Pujo-Pay, and

F. Van Wambeke

Biogeosciences, 8, 525-538, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1347 KB) [Discussion Paper](#) (BGD)

Gradients in intact polar diacylglycerolipids across the Mediterranean Sea are related to phosphate availability 20 Dec 2011

K. J. Popendorf, T. Tanaka, M. Pujo-Pay, A. Lagaria, C. Courties, P. Conan, L. Oriol, L. E. Sofen, T. Moutin, and B. A. S. Van Mooy

Biogeosciences, 8, 3733-3745, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 10127 KB) [Discussion Paper](#) (BGD)

Vertical and longitudinal gradients in HNA-LNA cell abundances and cytometric characteristics in the Mediterranean Sea 13 Jul 2011

F. Van Wambeke, P. Catala, M. Pujo-Pay, and P. Lebaron

Biogeosciences, 8, 1853-1863, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1511 KB) [Discussion Paper](#) (BGD)

Flow cytometric assessment of specific leucine incorporation in the open Mediterranean 07 Feb 2011

A. Talarmin, F. Van Wambeke, P. Catala, C. Courties, and P. Lebaron

Biogeosciences, 8, 253-265, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 3211 KB) [Discussion Paper](#) (BGD)

Ecology of aerobic anoxygenic phototrophic bacteria along an oligotrophic gradient in the Mediterranean Sea 20 Apr 2011

D. Lamy, C. Jeanthon, M. T. Cottrell, D. L. Kirchman, F. Van Wambeke, J. Ras, O. Dahan, M. Pujo-Pay, L. Oriol, L. Bariat, P. Catala, V. Cornet-Barthaux, and P. Lebaron

Biogeosciences, 8, 973-985, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1742 KB) [Discussion Paper](#) (BGD)

Diversity of cultivated and metabolically active aerobic anoxygenic phototrophic bacteria along an oligotrophic gradient in the Mediterranean Sea 20 Jul 2011

C. Jeanthon, D. Boeuf, O. Dahan, F. Le Gall, L. Garczarek, E. M. Bendif, and A.-C. Lehours

Biogeosciences, 8, 1955-1970, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1783 KB) [Discussion Paper](#) (BGD)

Intriguing diversity among diazotrophic picoplankton along a Mediterranean transect: a dominance of rhizobia 29 Mar 2011

M. Le Moal, H. Collin, and I. C. Biegala

Biogeosciences, 8, 827-840, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 1269 KB) [Discussion Paper](#) (BGD)

Is the distribution of *Prochlorococcus* and *Synechococcus* ecotypes in the Mediterranean Sea affected by global warming? 29 Sep 2011

D. Mella-Flores, S. Mazard, F. Humily, F. Partensky, F. Mahé, L. Bariat, C. Courties, D. Marie, J. Ras, R. Mauriac, C. Jeanthon, E. Mahdi Bendif, M. Ostrowski, D. J. Scanlan, and L. Garczarek

Biogeosciences, 8, 2785-2804, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 2497 KB) [Supplement](#) (267 KB)

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Distribution and host diversity of Amoebophryidae parasites across oligotrophic waters of the Mediterranean Sea 07 Feb 2011

R. Siano, C. Alves-de-Souza, E. Foulon, El M. Bendif, N. Simon, L. Guillou, and F. Not

Biogeosciences, 8, 267-278, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 5240 KB) [Discussion Paper](#) (BGD)

***Blastodinium* spp. infect copepods in the ultra-oligotrophic marine waters of the Mediterranean Sea** 09 Aug 2011

C. Alves-de-Souza, C. Cornet, A. Nowaczyk, S. Gasparini, A. Skovgaard, and L. Guillou
Biogeosciences, 8, 2125-2136, 2011

[Abstract](#) [Final Revised Paper](#) (PDF, 6124 KB) [Supplement](#) (140 KB)
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