

2008 LGP-Related Publications

Aislabie, J.M. Jordan, S. Barker, G.M.
Relation between soil classification and bacterial diversity in soils of the Ross Sea region, Antarctica.
Geoderma 144: 9-20, 2008
doi: 10.1016/j.geoderma.2007.10.006

Aislabie, J. Ryburn, A. Sarmah, A.
Hexadecane mineralization activity in ornithogenic soil from Seabee Hook, Antarctica.
Polar biology 31(4): 421-428 2008.

Bockheim, J.G. McLeod, M.
Soil distribution in the McMurdo Dry Valleys, Antarctica.
Geoderma 144: 43-39, 2008
doi:10.1016/j.geoderma.2007.10.015.

Bockheim, J.G.
Functional diversity of soils along environmental gradients in the Ross Sea region, Antarctica .
Geoderma 144(1-2): 32-42, 2008.
doi:10.1016/j.geoderma.2007.10.014

Bockheim, J.G. Balks, M.(eds)
Antarctic soils and soil forming processes in a changing environment.
Geoderma 144(1-2), 2008.

Büdel, B. Bendix, J. Bicker, F.R. Green, T.G.A.
Dewfall as a water source frequently activates the endolithic cyanobacterial communities in the granites of Taylor Valley, Antarctica.
Journal of phycology 44: 1415-1424 2008.
DOI: 10.1111/j.1529-8817.2008.00608.x

Cannone, N. and Seppelt, R. 2008. A preliminary floristic classification of southern and northern Victoria Land vegetation, continental Antarctica. *Antarctic Science* 20(6): 553-562.
Doi:10.1017/S0954102002001454

Claridge, G.G.C. Campbell, I.B.
Zeolites in Antarctic soils: Examples from Coombs Hills and Marble Point
Geoderma 144(1-2): 66-72, 2008.
doi:10.1016/j.geoderma.2007.10.009

Convey, P. Gibson, J.A.E. Hillenbrand, C-D Hodgson, D.A, Pugh, P.J.A.
Smellie, J.L. Stevens, M.I.
Antarctic terrestrial life – challenging the history of the frozen continent?
Biological reviews 83: 103-117 2008.
doi:10.1111/j.1469-185X.2008.00034.x

Elliott, C.

Influence of temperature and moisture availability on physical rock weathering along the Victoria Land coast, Antarctica.

Antarctic science 20(1): 61-67, 2008.

doi: 10.1017/S0954102007000685

Grotti, M. Soggia, F. Lagomarsino, C. Dalla Riva, S. Goessler, W. Francesconi, K.A.

Natural variability and distribution of trace elements in marine organisms from Antarctic coastal environments

Antarctic science 20(1): 39-51, 2008.

DOI: 10.1017/S0954102007000831

Hawes, I. Howard-Williams, C. Fountain, A.

Ice-based freshwater ecosystems. Polar lakes and rivers : limnology of Arctic and Antarctic aquatic ecosystems. Vincent, W. F Laybourn-Parry, J.

(eds) Oxford University Press p. 103-118. 2008.

Hopkins, D.W. Sparrow, A.D. Gregorich, E.G. Novis, P. Elberling, B. Greenfield, L.G.

Redistributed lacustrine detritus as a spatial subsidy of biological resources for soils in an Antarctic dry valley .

Geoderma 144(1-2): 86-92, 2008.

doi:10.1016/j.geoderma.2007.10.016

Hopkins, D.W. Sparrow, A.D. Shillam, L.L. English, L. C. Dennis, P.G.

Novis, P. Elberling, B. Gregorich, E.G. Greenfield, L.G.

Enzymatic activities and microbial communities in an Antarctic dry valley soil: Responses to C and N supplementation.

Soil biology and biochemistry 40:00:00 2008.

doi:10.1016/j.soilbio.2008.03.022. 2008

Martin, A. Hall, J.A. O'Toole, R. Davy, S.K. Ryan, K.G.

High single-cell metabolic activity in Antarctic sea ice bacteria.

Aquatic microbial ecology 52: 25-31 2008.

doi: 10.3354/ame01205

McGaughran, A. Hogg, I.D. Stevens, M.I.

Patterns of population genetic structure for springtails and mites in southern Victoria Land, Antarctica.

Molecular phylogenetics and evolution 46: 606-618, 2008.

doi:10.1016/j.ympev.2007.10.003

McLeod, M. Bockheim, J.G. Balks, M.

Glacial geomorphology, soil development and permafrost features in central-upper Wright Valley, Antarctica.

Geoderma 144(1-2): 93-103, 2008.

doi:10.1016/j.geoderma.2007.10.017

Niederberger, T.D. McDonald, I.R. Hacker, A.L. Soo, R.M. Barrett, J.E. Wall, D.H. Cary, C.
Microbial community composition in soils of Northern Victoria Land, Antarctica.
Environmental microbiology 10(7): 1713-1624 2008.
doi:10.1111/j.1462-2920.2008.01593.x

Quesada, A. Fernandez-Valiente, E. Hawes, I. Howard-Williams, C.
Benthic primary production in polar lakes and rivers. Polar lakes and rivers : limnology of Arctic and Antarctic aquatic ecosystems. Vincent, W.F Laybourn-Parry, J. (eds) Oxford University Press p. 179-212. 2008.

Sewell, M.A. van Dijken, S.G. Suberg, L.
The cryopelagic meroplankton community in the shallow waters of Gerlache Inlet, Terra Nova Bay, Antarctica.
Antarctic science 20(1): 53-59, 2008.
doi: 10/1017/S0954102007000843

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Cold tolerance of an Antarctic nematode that survives intracellular freezing: comparisons with other nematode species
Journal of comparative physiology B 178: 93-100, 2008.
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Sutherland, D.L.
Surface-associated diatoms from marine habitats at Cape Evans, Antarctica, including the first record of living *Eunotogramma marginopunctatum*.
Polar biology: 10.1007/s00300-008-0426-z, 2008.

Sutherland, D.L. Hawes, I.
Annual growth layers as proxies of past growth conditions for benthic microbial mats in a perennially ice-covered Antarctic lake.
FEMS microbiology ecology 67: 279-292 2008.
doi: 10.1111/j.1574-6941.2008.00621.x

Ugolini, F.C. Bockheim, J.G.
Antarctic soils and soil formation in a changing environment: A review .
Geoderma 144(1-2): 1-8, 2008.
doi:10.1016/j.geoderma.2007.10.005