

ПН
F37

4754
FEMS

MICROBIOLOGY ECOLOGY

Volume 83
Issue 3
March 2013
ISSN 0168-6496




WILEY-
BLACKWELL

FEDERATION OF EUROPEAN MICROBIOLOGICAL SOCIETIES
FEMS

Discover this journal online at
WILEY ONLINE LIBRARY
wileyonlinelibrary.com/journal/femsec

FEMS

**MICROBIOLOGY
ECOLOGY**

FEMS Microbiology Ecology

© Federation of European Microbiological Societies. Published by John Wiley & Sons Ltd. All rights reserved

March 2013

Volume 83, Issue 3

Pages 527–805

MiniReview

Microbiological and biochemical origins of human axillary odour (pages 527–540)

A. Gordon James, Corrine J. Austin, Diana S. Cox, David Taylor and Ralph Calvert

Research Articles

Temporal succession of putative glycolate-utilizing bacterioplankton tracks changes in dissolved organic matter in a high-elevation lake (pages 541–551)

Sara F. Paver, Craig E. Nelson and Angela D. Kent

A tale of two chitons: is habitat specialisation linked to distinct associated bacterial communities? (pages 552–567)

Sébastien Duperron, Marie-Anne Pottier, Nelly Léger, Sylvie M. Gaudron, Nicolas Puillandre, Stéphanie Le Prieur, Julia D. Sigwart, Juliette Ravaux and Magali Zbinden

Effect of nitrogen and waterlogging on denitrifier gene abundance, community structure and activity in the rhizosphere of wheat (pages 568–584)

Kelly Hamonts, Tim J. Clough, Alison Stewart, Peter W. Clinton, Alan E. Richardson, Steven A. Wakelin, Maureen O'Callaghan and Leo M. Condron

Fungal communities influence root exudation rates in pine seedlings (pages 585–595)

Ina C. Meier, Peter G. Avis and Richard P. Phillips

Effects of plant host species and plant community richness on streptomycete community structure (pages 596–606)

Matthew G. Bakker, James M. Bradeen and Linda L. Kinkel

Acidobacterial community responses to agricultural management of soybean in Amazon forest soils (pages 607–621)

Acácio A. Navarrete, Eiko E. Kuramae, Mattias de Hollander, Agata S. Pijl, Johannes A. van Veen and Siu M. Tsai

Escherichia coli adapts to tetracycline resistance plasmid (pBR322) by mutating endogenous potassium transport: *in silico* hypothesis testing (pages 622–631)

Ferdi L. Hellweger

Differential impacts of brassicaceous and nonbrassicaceous oilseed meals on soil bacterial and fungal communities (pages 632–641)

Emily B. Hollister, Ping Hu, Autumn S. Wang, Frank M. Hons and Terry J. Gentry

Diversity of Salmonella in biofilms and water in a headwater ecosystem (pages 642–649)

Qiong Sha, Michael R.J. Forstner and Dittmar Hahn

Bacterial community composition associated with freshwater algae: species specificity vs. dependency on environmental conditions and source community (pages 650–663)

Falk Eigemann, Sabine Hilt, Ivette Salka and Hans-Peter Grossart

Flow cytometric identification of Mamiellales clade II in the Southern Atlantic Ocean (pages 664–671)

Paola R. Gómez-Pereira, Gabrielle Kennaway, Bernhard M. Fuchs, Glen A. Tarran and Mikhail V. Zubkov

The significance of early accumulation of nanomolar concentrations of NO as an inducer of denitrification (pages 672–684)

Shahid Nadeem, Peter Dörsch and Lars R. Bakken

Composition, richness and nonrandom assembly of culturable bacterial–microfungal communities in floral nectar of Mediterranean plants (pages 685–699)

Sergio Álvarez-Pérez and Carlos M. Herrera

Photoacclimation of cultured strains of the cyanobacterium *Microcystis aeruginosa* to high-light and low-light conditions (pages 700–710)

Elena Bañares-España, Jacco C. Kromkamp, Victoria López-Rodas, Eduardo Costas and Antonio Flores-Moya

Abundance and dynamics of filamentous fungi in the complex ambrosia gardens of the primitively eusocial beetle *Xyleborinus saxesenii* Ratzeburg (Coleoptera: Curculionidae, Scolytinae) (pages 711–723)

Peter H.W. Biedermann, Kier D. Klepzig, Michael Taborsky and Diana L. Six

Three-year survey of sulfate-reducing bacteria community structure in Carnoulès acid mine drainage (France), highly contaminated by arsenic (pages 724–737)

Ludovic Giloteaux, Robert Duran, Corinne Casiot, Odile Bruneel, Françoise Elbaz-Poulichet and Marisol Goñi-Urriza

Spatial stratification of various Lyme disease spirochetes in a Central European site (pages 738–744)

Dania Richter, Boris Schröder, Niklas K. Hartmann and Franz-Rainer Matuschka

Arsenite oxidase gene diversity among Chloroflexi and Proteobacteria from El Tatio Geyser Field, Chile (pages 745–756)

Annette Summers Engel, Lindsey R. Johnson and Megan L. Porter

Enrichment and dynamics of novel syntrophs in a methanogenic hexadecane-degrading culture from a Chinese oilfield (pages 757–766)

Lei Cheng, Junpeng Rui, Qiang Li, Hui Zhang and Yahai Lu

New wrinkles in an old paradigm: neighborhood effects can modify the structure and specificity of Alnus-associated ectomycorrhizal fungal communities (pages 767–777)

Laura M. Bogar and Peter G. Kennedy

LuxS influences Escherichia coli biofilm formation through autoinducer-2-dependent and autoinducer-2-independent modalities (pages 778–791)

Chen Niu, Chandan M. Robbins, Kelly J. Pittman, JoDi L. Osborn, Bryan A. Stubblefield, Robert B. Simmons and Eric S. Gilbert

***In vitro* fermentation of grape seed flavan-3-ol fractions by human faecal microbiota: changes in microbial groups and phenolic metabolites (pages 792–805)**

Carolina Cueva, Fernando Sánchez-Patán, María Monagas, Gemma E. Walton, Glenn R. Gibson, Pedro J. Martín-Álvarez, Begoña Bartolomé and M. Victoria Moreno-Arribas