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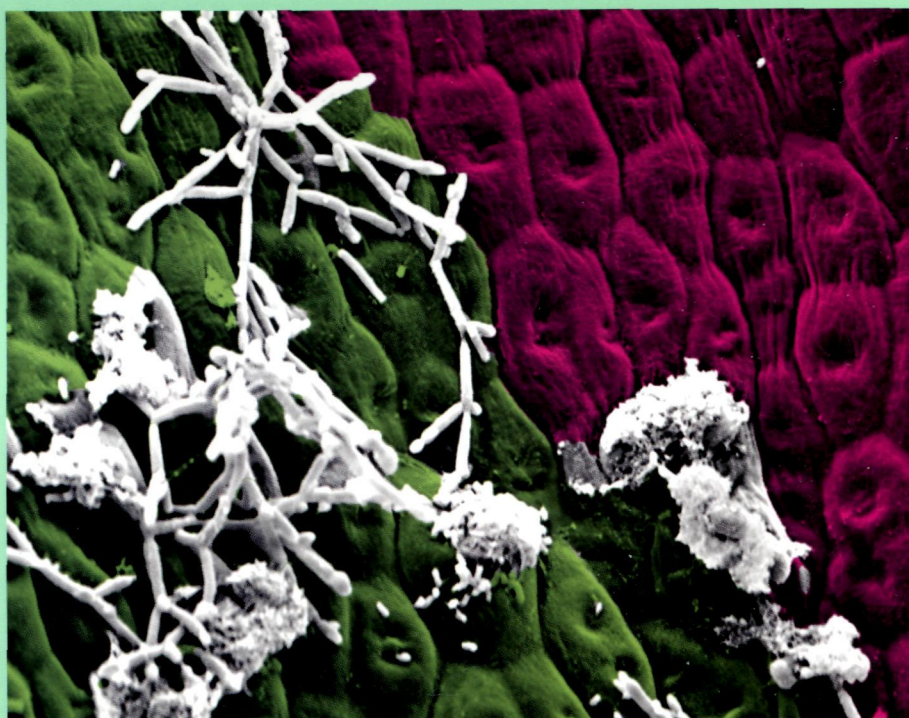
## MICROBIOLOGY ECOLOGY

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**• Research Articles**

[\*In situ\*](#) response of the linuron degradation potential to linuron application in an agricultural field (pages 403–416)

Karolien Bers, René De Mot and Dirk Springael

Article first published online: 13 MAY 2013 | DOI: 10.1111/1574-6941.12129

Summer community structure of aerobic anoxygenic phototrophic bacteria in the western Arctic Ocean (pages 417–432)

Dominique Boeuf, Matthew T. Cottrell, David L. Kirchman, Philippe Lebaron and Christian Jeanthon

Article first published online: 1 MAY 2013 | DOI: 10.1111/1574-6941.12130

Pyrosequencing of environmental soil samples reveals biodiversity of the [\*Phytophthora\*](#) resident community in chestnut forests (pages 433–442)

Andrea Vannini, Natalia Bruni, Alessia Tomassini, Selma Franceschini and Anna Maria Vettrano

Article first published online: 1 MAY 2013 | DOI: 10.1111/1574-6941.12132

Response of bacterioplankton to a glucose gradient in the absence of lysis and grazing (pages 443–451)

Rui Zhang, Markus G. Weinbauer, Yin Ki Tam and Pei-Yuan Qian

Article first published online: 1 MAY 2013 | DOI: 10.1111/1574-6941.12133

Archaeal and bacterial diversity in acidic to circumneutral hot springs in the Philippines (pages 452–464)

Qiuyuan Huang, Hongchen Jiang, Brandon R. Briggs, Shang Wang, Weiguo Hou, Gaoyuan Li, Geng Wu, Ramonito Solis, Carlo A. Arcilla, Teofilo Abrajano and Hailiang Dong

Article first published online: 13 MAY 2013 | DOI: 10.1111/1574-6941.12134

Habitat- and host-related variation in sponge bacterial symbiont communities in Indonesian waters (pages 465–482)

Daniel F.R. Cleary, Leontine E. Becking, Nicole J. de Voogd, Ana C.C. Pires, Ana R.M. Polónia, Conceição Egas and Newton C.M. Gomes

Article first published online: 30 MAY 2013 | DOI: 10.1111/1574-6941.12135

Diversity of the skin microbiota of fishes: evidence for host species specificity (pages 483–494)

Andrea Larsen, Zhen Tao, Stephen A. Bullard and Covadonga R. Arias

Article first published online: 13 MAY 2013 | DOI: 10.1111/1574-6941.12136

Bacteriocins with a broader antimicrobial spectrum prevail in enterococcal symbionts isolated from the hoopoe's uropygial gland (pages 495–502)

Magdalena Ruiz-Rodríguez, Manuel Martínez-Bueno, Manuel Martín-Vivaldi, Eva Valdivia and Juan J. Soler

Article first published online: 16 MAY 2013 | DOI: 10.1111/1574-6941.12138

Microbial biodiversity in saline shallow lakes of the Monegros Desert, Spain (pages 503–518)

Emilio O. Casamayor, Xavier Triadó-Margarit and Carmen Castañeda

Article first published online: 20 MAY 2013 | DOI: 10.1111/1574-6941.12139

### • **Chief Editor's Choice**

Molecular richness and biotechnological potential of bacteria cultured from Irciniidae sponges in the north-east Atlantic (pages 519–536)

Ana I.S. Esteves, Cristiane C.P. Hardoim, Joana R. Xavier, Jorge M.S. Gonçalves and Rodrigo Costa

Article first published online: 20 MAY 2013 | DOI: 10.1111/1574-6941.12140



Marine sponges are a tremendous reservoir of biologically active metabolites many of which are synthesized by their microbial symbionts. This study describes the bacterial richness cultured from two irciniid sponge species and highlights the value of the cultivated bacterial symbionts of the *Irciniidae* sponge family as a promising source in future genome and metabolome mining for new bioactive molecules.

### • **Research Articles**

Spatial patterns of bacterial and archaeal communities along the Romanche Fracture Zone (tropical Atlantic) (pages 537–552)

Itziar Lekunberri, Eva Sintes, Daniele de Corte, Taichi Yokokawa and Gerhard J. Herndl

Article first published online: 16 MAY 2013 | DOI: 10.1111/1574-6941.12142

Bacterial community and groundwater quality changes in an anaerobic aquifer during groundwater recharge with aerobic recycled water (pages 553–567)

Maneesha P. Ginige, Anna H. Kaksonen, Christina Morris, Mark Shackelton and Bradley M. Patterson

Article first published online: 20 MAY 2013 | DOI: 10.1111/1574-6941.12137

Novel bacterial groups dominate in a thermophilic methanogenic hexadecane-degrading consortium (pages 568–577)

Lei Cheng, Qiao He, Chen Ding, Li-rong Dai, Qiang Li and Hui Zhang

Article first published online: 28 MAY 2013 | DOI: 10.1111/1574-6941.12141

Microbial community analysis of deeply buried marine sediments of the New Jersey shallow shelf (IODP Expedition 313) (pages 578–592)

Anja Breuker, Susanne Stadler and Axel Schippers

Article first published online: 29 MAY 2013 | DOI: 10.1111/1574-6941.12146

Bacterial invasion potential in water is determined by nutrient availability and the indigenous community (pages 593–603)

Sam Van Nevel, Karen De Roy and Nico Boon

Article first published online: 10 JUN 2013 | DOI: 10.1111/1574-6941.12145

Extended spectrum beta-lactamase and fluoroquinolone resistance genes and plasmids among [\*Escherichia coli\*](#) isolates from zoo animals, Czech Republic (pages 604–611)

Hana Dobiasova, Monika Dolejska, Ivana Jamborova, Eva Brhelova, Lucie Blazkova, Ivo Papousek, Marketa Kozlova, Jiri Klimes, Alois Cizek and Ivan Literak

Article first published online: 19 JUN 2013 | DOI: 10.1111/1574-6941.12149

454 pyrosequencing analyses of bacterial and archaeal richness in 21 full-scale biogas digesters (pages 612–626)

Carina Sundberg, Waleed A. Al-Soud, Madeleine Larsson, Erik Alm, Sepehr S. Yekta, Bo H. Svensson, Søren J. Sørensen and Anna Karlsson

Article first published online: 12 JUN 2013 | DOI: 10.1111/1574-6941.12148