

2017 (liste non-officielle)

Octobre

- [Release of dissolved phosphorus from riparian wetlands : Evidence for complex interactions among hydroclimate variability, topography and soil properties](#)

Nov 2017 Science of The Total Environment Volume 598, 15 November 2017, Pages 421–431 <http://doi.org/10.1016/j.scitotenv....>

Sen Gua, , 1, , Gérard Gruaua, Rémi Dupasb, c, Cornélia Rumpeld, Alexandra Crèmed, Ophélie Fovetb, Chantal Gascuel-Odoux, Laurent Jeanneau, Guillaume Humbertb, Patrice Petitjeana

Septembre

- [EFFECTS OF EARLY DIAGENESIS ON THE ISOTOPIC SIGNATURE OF WOOD : INCUBATIONS IN AQUATIC MICROCOSM](#)

28th International Meeting on Organic Geochemistry 17 – 22 September 2017, Florence, Italy

R. Tramoy¹, T. T. Nguyen Tu², V. Vaury³, M. Sebil³, L. Millot Cornette², C. Roose-Amsaleg², J. Schnyder¹

- [Where do South-Indian termite mound soils come from ?](#)

Sept 2017 Applied Soil Ecology Volumes 117–118, September 2017, Pages 190–195

<https://doi.org/10.1016/j.apsoil.20...>

Pascal Jouqueta, b, , Laurent Canerc, Nicolas Bottinellia, d, Ekta Chaudharyb, e, Sougueh Cheika, b, Jean Riottef

- [Emergence and complex systems : The contribution of dynamic graphtheory](#)

Sept 2017 Ecological Complexity 31 (2017) 34–49

Jacques Gignoux a,*, Guillaume Che´rel b, Ian D. Davies c, Shayne R. Flint d, Eric Lateltin

Août

- [How good are epigeic earthworms at dispersing ? An investigation to compare epigeic to endogeic and anecic groups](#)

August 2017 Soil Biology and Biochemistry Volume 111, August 2017, Pages 115–123

M. Chatelaina, J. Mathieu

- [Hydrological Modeling of Fecal Indicator Bacteria in a Tropical Mountain Catchment. Water Research.](#)

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Juillet

■ [Effect of temperature and social environment on worker size in the ant *Temnothorax nylanderi*](#)

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Mathieu Moleta, , Romain Péronnet, , Sébastien Couetteb, c, , Christophe Canovasa, , Claudie Doumsc, d,

■ [Tillage and fertilization practices affect soil aggregate stability in a Humic Cambisol of Northwest France](#)

July 2017 Soil and Tillage Research Volume 170, Pages 14–17

N. Bottinelli, D.A. Angers, V. Hallaire, D. Michot, C. Le Guillou, D. Cluzeau, D. Heddadj, S. Menasseri-Aubry,

Juin

■ [Identification and functional characterization of the pheromone biosynthesis activating neuropeptide receptor isoforms from *Mamestra brassicae*](#)

1 June 2017 General and Comparative Endocrinology

József Fodora, 1, J. Joe Hullb, 1, Gabriella Köblösa, , , Emmanuelle Jacquin-Jolyc, Tamás Szlankad, Adrien Fónagya

■ [Functional evolution of Lepidoptera olfactory receptors revealed by deorphanization of a moth repertoire](#)

June 2017 Nature Communications 8, Article number : 15709 (2017)

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■ [Evolutionary reduction of female dispersal in *Cataglyphis* desert ants](#)

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Christian Peeters Serge Aron

■ [Potential use of PRI and active fluorescence for the diagnosis of physiological state of plants under ozone exposure and high atmospheric vapor pressure deficit](#)

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Elodie Merlier, Gabriel Hmimina, Matthieu Bagard, Eric Dufrêne and Kamel Soudani

■ [Decreasing worker size diversity does not affect colony performance during laboratory challenges in the ant *Temnothorax nylanderi*](#)

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T. Colin C. Doums R. Péronnet M. Molet

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■ [The microbial habitat in soil : scale, heterogeneity and functional consequences](#)

May 2017 J. Plant Nutr. Soil Sci.. doi:10.1002/jpln.201700184

Nunan, N.

■ [Balancing yield with resilience and conservation objectives in harvested predator-prey communities](#)

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Eric Tromeur, Nicolas Loeuille

■ [Socialist hydropower governances compared : dams and resettlement as experienced by Dai and Thai societies from the Sino-Vietnamese borderlands](#)

May 2017 Reg Environ Change (2017). doi:10.1007/s10113-017-1170-0

Jean-François Rousseau Didier Orange Sabrina Habich-Sobiegalla Nguyen Van Thiet

■ [Antibacterial and Antioxidant Photoinitiated Epoxy co-Networks of Resorcinol and Eugenol derivatives](#)

May 2017 Materials today communications

Tina Modjinoua, Davy-Louis Versacea, , Samir Abbad-Andaloussib, Valérie Langloisa, Estelle Renarda

■ [Contrasting impacts of an alien invasive shrub on mammalian savanna herbivores revealed on a landscape scale](#)

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David Rozen-Rechels, Mariska te Beest, L. Alexander Dew, Elizabeth le Roux, Dave J. Druce, Joris P. G. M. Cromsigt

■ [The impact of Last Glacial climate variability in west-European loess revealed by radiocarbon dating of fossil earthworm granules](#)

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■ [Hierarchical drivers of aggregation in a constructed Technosol](#)

Poster · May 2017 DOI : 10.13140/RG.2.2.30363.46885 05/2017, , At : Moscow. RUDN, Conference : SUITMA 9 « Urbanization : a challenge and an opportunity for soil functions and ecosystem services », DOI : 10.13140/RG.2.2.30363.46885

Maha DEEB COLLET Thierry DESJARDINS Pascal PODWOJEWSKI Anne Pando Manuel Blouin Thomas Lerch

■ [Biofilm vs. Planktonic Lifestyle : Consequences for Pesticide 2,4-D Metabolism by *Cupriavidus necator* JMP134](#)

May 2017 Front. Microbiol., 23 May 2017 | <https://doi.org/10.3389/fmicb.2017.00904>

Thomas Z. Lerch^{1*}, Claire Chenu², Marie F. Dignac², Enrique Barriuso² and André Mariotti¹

■ [Spatial topologies affect local food web structure and diversity in evolutionary metacommunities](#)

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Lev Bolchoun, Barbara Drossel & Korinna Theresa Allhoff

■ [Relevance of taking into account the fine scale soil variability to assess the effects of agricultural inputs on soil characteristics and soil microbial communities : A case study of biochar application in a rubber plantation in North East Thailand](#)

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Marie-Elodie Le Guena,b,1, Laetitia Herrmannb,c,1, Henri Robaind, Wanpen Wiryakitnateekule, Tatiana de Oliveiraa, Agnès Robinf,g, Prapaipit Srimawongse, Lambert Bräuc, Didier Lesueur

■ [Measuring and Modeling Hydraulic Lift of Lolium multiflorum Using Stable Water Isotopes](#)

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■ [Modelling the genesis of equatorial podzols : age and implications for carbon fluxes](#)

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Cédric Doupoux1, Patricia Merdy1, Célia Régina Montes2, Naoise Nunan3, Adolpho José Melfi4, Osvaldo José Ribeiro Pereira2, and Yves Lucas1

■ [Rearranged Biosynthetic Gene Cluster and Synthesis of Hassallidin E in Planktothrix sarta PCC 8927.](#)

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■ [Localisation des matières organiques et des activités microbiennes : conséquences pour le fonctionnement du sol](#)

May 2017 Chapter 2 Les sols et la vie souterraine Jean-François Briat & Dominique Job Claire Chenu 1,* , Naoise Nunan 2 , Laure Vieublé 1 , Patricia Garnier 1 , Valérie Pot 1 , Sylvie Recous 3

■ [Vegetation drives slope stability and its variability through hydrological impacts : Variable stability of vegetated slopes](#)

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John H. Kim, Thierry Fourcaud, Christophe Jourdan, Jean-Luc Maeght, Zhun Mao, James Metayer, Louise Meylan, Alain Pierret, Bruno Rapidel, Olivier Roupsard, Anneke de Rouw, Mario Villatoro Sanchez, Yan Wang, Alexia Stokes

■ [What is the sensitivity of the mineral dust cycle at the regional scale to surface wind speed ? First insights from the DRUMS project](#)

Conference Paper May 2017 European Geophysical Union Vol. 19, EGU2017-13310, 2017 Christel Bouet (1,2), Guillaume Siour (1), David Poulet (3), Gilles Bergametti (1), Benoit Laurent (1), Fabien Brocheton (3), Gilles Forêt (1), Yiwen Xu (1), and Béatrice Marticorena (1)

■ [A major subtropical fruit pest accumulates in crop fields and spills over to a wild host](#)
May 2017 Agriculture, Ecosystems & Environment Volume 242, 1 May 2017, Pages 102–109

Courtney Moxleya, b, Wiebke Lammersc, F.J. Frank van Veenc, Elisa Thébaultd, Karen J. Eslerb, Colleen L. Seymoura

■ [Contrasted effects of annual and perennial grasses on soil chemical and biological characteristics of a grazed Sudanian savanna](#)

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■ [Aligning agriculture and climate policy](#)

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■ [Diversity of fungal assemblages in roots of Ericaceae in two Mediterranean contrasting ecosystems](#)

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■ [Breaking the cipher : ant eavesdropping on the variational trail pheromone of its termite prey](#)

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■ [Short-term responses and resistance of soil microbial community structure to elevated CO₂ and N addition in grassland mesocosms.](#)

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■ [Increasing soil carbon storage : mechanisms, effects of agricultural practices and proxies. A review](#)

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■ [Manipulation of ABA Content in Arabidopsis thaliana Modifies Sensitivity and Oxidative Stress Response to Dickeya dadantii and Influences Peroxidase Activity.](#)

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■ [Vegetation drives slope stability and its variability through hydrological impacts.](#)

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Beatriz Diaz Pauli^{1,†,‡}, Jeppe Kolding^{1,2}, Geetha Jeyakanth¹ and Mikko Heino^{1,3,4,*}

■ [Changes in soil characteristics and C dynamics after mangrove clearing \(Vietnam\).](#)

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■ [Transcriptome analysis of the *Dickeya dadantii* PecS regulon during early stages of interaction with *Arabidopsis thaliana*](#)

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■ [Evidence for a role of oestrogen receptor-related receptor in the regulation of male sexual behaviour in the moth *Agrotis ipsilon*](#)

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Josefa Bleu Simon Agostini Clotilde Biard

Livre

■ [La science à contrepied](#)

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Lydie Blottière

■ [Significant Change in Marine Plankton Structure and Carbon Production After the Addition of River Water in a Mesocosm Experiment](#)

March 2017 Microb Ecol DOI 10.1007/s00248-017-0962-6
E. Fouilland¹ & A. Trottet^{1,2} & C. Alves-de-Souza^{3,4} & D. Bonnet¹ & T. Bouvier¹ & M. Bouvy¹ & S. Boyer¹ & L. Guillou³ & E. Hately¹ & H. Jing⁵ & C. Leboulanger¹ & E. Le Floc¹ & H. Liu⁵ & S. Mas⁶ & B. Mostajir¹ & J. Nouguié¹ & D. Pecqueur¹ & E. Rochelle-Newall⁷ & C. Roques¹ & C. Salles⁸ & M.-G. Tournoud⁸ & C. Vasseur^{1,9} & F. Vidussi¹

Conference Paper

■ [Is it possible to mitigate greenhouse gas emissions from agricultural soil by introduction of temporary grassland into cropping cycles ?](#)

Mar 2017 Global Symposium on Soil Organic Carbon, FAO,

Cornelia Rumpel Raia Massad Alexandra Crème Marco Carozzi Abad Chabbi Katja Klumpp
Xavier Leroux Raphael MartinNicolas Vuichard

■ [An evaluation of inexpensive methods for root image acquisition when using rhizotrons](#)

March 2017 Plant Methods 201713:11 DOI : 10.1186/s13007-017-0160-z

Awaz MohamedEmail authorView ORCID ID profile, Yogan Monnier, Zhun Mao,
Guillaume LobetView ORCID ID profile, Jean-Luc Maeght, Merlin Ramel and Alexia Stokes

■ [Global metabolome changes induced by cyanobacterial blooms in three representative fish species](#)

March 2017 Science of The Total Environment <http://dx.doi.org/10.1016/j.scitote...>

Benoît Sotтона, , Alain Parisa, Séverine Le Manacha, Alain Blonda, Gérard Lacroixb, c,
Alexis Millotc, Charlotte Duvala, Qin Qiaoa, Arnaud Catherinea, Benjamin Marie

■ [The complete mitochondrial DNA sequence of the pantropical earthworm Pontoscolex corethrurus \(Rhinodrilidae, Clitellata\) : Mitogenome characterization and phylogenetic positioning](#)

March 3, PeerJ 2017 10.7287/peerj.preprints.2847v1

Ana C Conrado1, Hugo Arruda2, David Stanton3, Samuel W James4, Peter Kille5, George Brown6, Elodie D Silva6, Lise Dupont7, Shabnam Taheri7, Andrew J Morgan3, Nelson Simoes2, Armindo Rodrigues8, Rafael Montiel9, Luis Cunha3

■ [Combined Effects of Ozone and Drought on the Physiology and Membrane Lipids of Two Cowpea \(Vigna unguiculata \(L.\) Walp\) Cultivars](#)

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Deborah Moura Rebouças 1, Yuri Maia De Sousa 2, Matthieu Bagard 1,* , Jose Helio Costa 2, Yves Jolivet 3,4, Dirce Fernandes De Melo 2 and Anne Repellin

■ [Oxidative stress in aspic vipers facing pregnancy and water constraints](#)

March 2017 Journal of Experimental Biology 2017 : doi : 10.1242/jeb.156752

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Olivier Lourdais

■ [Landscape features impact connectivity between soil populations : a comparative study of gene flow in earthworms](#)

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■ [The perforated stones of the Doi Pha Kan burials \(Northern Thailand\) : A Mesolithic singularity ?](#)

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Sunisa Imdirakphol, Antoine Zazzo, Prasit Auetrakulvit, Chaturaporn Tiamtinkrit, Alain Pierret, Hubert Forestier, Valéry Zeitoun

■ [Asexual Queen Succession mediates an accelerated colony life cycle in the termite *Silvestritermes minutus*.](#)

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Shenglong Lia, Kiyoko Taniaib, Kiyoshi Asaokab, Keiko Kadono-Okudab, Kallare P.
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Olivier Lourdais

Février

Chapter

■ [Characterization of Biogeochemical Processes at the Microscale : Challenges and Opportunities](#)

Feb 2017

Carsten W. Mueller Laurent Remusat Cornelia Rumpel
book : Terrestrial Ecosystem Research Infrastructures
Challenges and Opportunities DOI : 10.1201/9781315368252-9
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■ [Behavioural responses to human-induced change : Why fishing should not be ignored](#)

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Beatriz Diaz Pauli Andrew Sih

■ [Comparative Study of Chemosensory Organs of Shrimp From Hydrothermal Vent and Coastal Environments](#)

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Magali Zbinden Camille Berthod Nicolas Montagné Julia Machon Nelly Léger Thomas
Chertemps Nicolas Rabet Bruce Shillito Juliette Ravaux

■ [Assessing the ecological impacts of invasive species based on their functional responses and abundances](#)

February 2017 Biol Invasions DOI : 10.1007/s10530-017-1378-4
Ciaran Laverty Kyle D. Green Jaimie T. A. Dick Email author Daniel Barrios-O'Neill Paul J.
Mensink Vincent Médoc Thierry Spataro Joe M. Caffrey Frances E. Lucy Pieter Boets J. Robert
Britton Josephine Pegg Cathal Gallagher

Poster

■ [Modeling the direct and indirect effects of copper on phytoplankton–zooplankton interactions](#)

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■ [14 Questions for Invasion in Ecological Networks](#)

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J.H. Pantel*, †, , 2, , D.A. Bohan‡, 2, V. Calcagno§, 2, P. David*, 2, P.-F. Duyck¶, 2, S. Kamenova||, 2, N. Loeuille#, 2, G. Molot**, 2, T.N. Romanuk††, 2, E. Thébault#, 2, P. Tixier‡‡, §§, 2, F. Massol¶¶, 2

■ [Termites can have greater influence on soil properties through the construction of soil sheetings than the production of above-ground mounds](#)

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■ [Legacy of contaminant N sources to the NO₃⁻ signature in rivers : a combined isotopic \(\$\delta^{15}\text{N-NO}_3^-\$, \$\delta^{18}\text{O-NO}_3^-\$, \$\delta^{11}\text{B}\$ \) and microbiological investigation](#)

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Cyrielle Briand, Mathieu Sebilo, Pascale Louvat, Thierry Chesnot, Véronique Vaury, Maude Schneider & Valérie Plagnes

■ **Ouvrage**

[Handbook of Major Palm Pests : Biology and Management](#)

February 2017 · Edited by Victoria Soroker and Stefano Colazza, 02/2017 ; Wiley-Blackwell.

Victoria Soroker · Stefano Colazza ·Brigitte Frérot Hamidi Rachid Didier Rochat

Janvier

■ [Genomics of NRPS/PKS Biosynthetic Gene Clusters in Cyanobacteria](#)

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Claire Pancrace, Muriel Gugger and Alexandra Calteau

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■ [5' to 3' mRNA decay contributes to the regulation of Arabidopsis seed germination by dormancy](#)

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■ [Group foraging in Socotra cormorants : A biologging approach to the study of a complex behavior](#)

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