

## 2017 (liste non exhaustive et temporaire)

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■ [Elevated CO<sub>2</sub> mediates the short-term drought recovery of ecosystem function in low-diversity grassland systems](#)

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Audrey Niboyet Gérard Bardoux Sebastien Barot Juliette M. G. Bloor

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Montoroi Jean-Pierre<sup>1</sup>, Pierret Alain<sup>1</sup>, Maeght Jean-Luc<sup>1</sup>, Chintachao Worrachan<sup>2</sup>,  
Chenyapanich Somjai<sup>2</sup> and Srisuk Kriengsak<sup>3</sup>

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■ [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. Tramoy<sup>1</sup>, T. T. Nguyen Tu<sup>2</sup>, V. Vaury<sup>3</sup>, M. Sebilo<sup>3</sup>, L. Millot Cornette<sup>2</sup>, C. Roose-  
Amsaleg<sup>2</sup>, J. Schnyder<sup>1</sup>

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Jacques Gignoux a,\* , Guillaume Chérel b, Ian D. Davies c, Shayne R. Flint d, Eric Lateltin

## Août

- BIOCONTROL OF HAZELNUT : AN APPLIED RESEARCH ACTION DEVOTED TO THE TWO MAJOR PESTS IN FRENCH HAZELNUT. Aout 2017. Rachid H, Devaux Mercadal M, Thomas M, Frérot B. <http://www.hazelnut2017.org/bilimse...>
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### ■ [IMPACTS OF AGRO-PASTORAL MANAGEMENT ON WIND EROSION IN SAHELIAN CROPLANDS](#)

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Lillian Jennifer Rodriguez, Anthony Bain, Lien-Siang Chou, Lucie Conchou, Astrid Cruaud, Regielene Gonzales, Martine Hossaert-McKey, Jean-Yves Rasplus, Hsy-Yu Tzeng and Finn Kjellberg

### ■ [Impact of greenspaces in city on avian species richness and abundance in Northern Africa](#)

Impact des espaces verts urbains sur la richesse spécifique et l'abondance d'oiseaux en Afrique du Nord

Comptes Rendus Biologies <https://doi.org/10.1016/j.crv.2017...> Volume 340, Issue 8, August 2017, Pages 394-400

Hani Amir Aouissi Julien Gasparini Adnène Ibrahim Belabed Zihad Bouslama

### ■ [Collembolan biodiversity in Mediterranean urban parks : impact of history, urbanization, management and soil characteristics](#)

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Lucie Conchou1,2 & Peter Anderson1 & Göran Birgersson1

### ■ [Earthworm burrowing activity of two non-Lumbricidae earthworm species incubated in soils with contrasting organic carbon content \(Vertisol vs. Ultisol\)](#)

2017 Biol Fert Soils DOI 10.1007/s00374-017-1235-8  
Nicolas Bottinelli<sup>1,2</sup> & H. Zhou<sup>1</sup> & Y. Capowiez<sup>3</sup> & Z. B. Zhang<sup>1</sup> & J. Qiu<sup>4</sup> & P. Jouquet<sup>2,5</sup> & X. Peng<sup>1</sup>

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Judith Eeckman<sup>1</sup>, Santosh Nepal<sup>2</sup>, Pierre Chevallier<sup>1</sup>, Gauthier Camensuli<sup>1</sup>, Francois Delclaux<sup>1</sup>, Aaron Boone<sup>3</sup>, and Anneke De Rouw<sup>4</sup>

■ [Chilling temperature remodels phospholipidome of Zea mays seeds during imbibition](#)

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Agathe Noblet,<sup>1</sup> Juliette Leymarie,<sup>1,2</sup> and Christophe Bailly

■ [Desiccation plasticity and diapause in the Argentinian pearlfish Austrolebias bellottii](#)

2017 bioRxiv doi : <https://doi.org/10.1101/177386>

Tom Van Dooren, Irma Varela-Lasheras

■ [Decoding ants' olfactory system sheds light on the evolution of social communication](#)

2017 PNAS 2017 114 : 8911-8913

Patrizia d'Ettorre<sup>a,b,1</sup>, Nina Deisig<sup>c</sup>, and Jean-Christophe Sandoz<sup>d</sup>

■ [Geochemical identity of pre-Dogon and Dogon populations at Bandiagara \(Mali, 11th–20th cent. AD\)](#)

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

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## Juillet

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July 2017 Organic Geochemistry (2017), doi : <http://dx.doi.org/10.1016/j.orggeochem.2017.06.012>

Lydia Paetsch\*<sup>1</sup>, Carsten W. Mueller<sup>1</sup>, Cornelia Rumpel<sup>2,3</sup>, Šárka Angst<sup>4</sup>, Alexandra C. Wiesheu<sup>5</sup>, Cyril Girardin<sup>2</sup>, Natalia P. Ivleva<sup>5</sup>, Reinhard Niessner<sup>5,6</sup>, Ingrid Kögel-Knabner<sup>1</sup>

■ [Microbial activity and diversity, soil enzymes, mercury and arsenic speciation indicators of quality restoration in French Guiana old mining sites](#)

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■ [Sulfur diagenesis under rapid accumulation of organic-rich sediments in a marine mangrove from Guadeloupe \(French West Indies\)](#)

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## Mars

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■ [Diel Patterns of Activity for Insect Pollinators of Two Oil Palm Species \(Arecaceae : Arecaceae\)](#)

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Thomas Auffray,1 Brigitte Frérot,3 Roberto Poveda,4 Claude Louise,5 and Laurence Beaudoin-Ollivier1

■ [Defining ecologically relevant scales for spatial protection with long-term data on an endangered seabird and local prey availability](#)

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Sylvia ANTON, Fabienne DUPUY, Angela ROUYAR, Nina DEISIG, Marie-Anne WYCKE, Denis LIMOUSIN, Thomas BOURGEOIS, Michel RENOU

■ [Effects of agricultural Landscape of the Colombian Llanos on Ecosystem Services and assemblages of soil engineers](#)

par Maria Catalina Sanabria-Blandon

Thèse de doctorat en Ecologie

Sous la direction de Sébastien Barot et de Florence Dubs.

Soutenue le 21-03-2017

à Paris 6 , dans le cadre de École doctorale Sciences de la nature et de l'Homme. Évolution et écologie (Paris) , en partenariat avec Institut d'écologie et des sciences de l'environnement de Paris (laboratoire) .

Le président du jury était Luc Abbadie.

Le jury était composé de Claudie Doums.

Les rapporteurs étaient Jens Dauber, Thibaud Décaens.

■ [Effects of ambient oxygen and size-selective mortality on growth and maturation in guppies](#)

Mars 2017 Conserv Physiol. 2017 ; 5(1) : cox010. Volume 5 • 2017 10.1093/conphys/cox010

Beatriz Diaz Pauli<sup>1,†,‡</sup>, Jeppe Kolding<sup>1,2</sup>, Geetha Jeyakanth<sup>1</sup> and Mikko Heino<sup>1,3,4,\*</sup>

■ [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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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](#)

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E. Fouilland<sup>1</sup> & A. Trottet<sup>1,2</sup> & C. Alves-de-Souza<sup>3,4</sup> & D. Bonnet<sup>1</sup> & T. Bouvier<sup>1</sup> & M. Bouvy<sup>1</sup> & S. Boyer<sup>1</sup> & L. Guillou<sup>3</sup> & E. Hatey<sup>1</sup> & H. Jing<sup>5</sup> & C. Leboulanger<sup>1</sup> & E. Le Floc'h<sup>1</sup> & H. Liu<sup>5</sup> & S. Mas<sup>6</sup> & B. Mostajir<sup>1</sup> & J. Nougulier<sup>1</sup> & D. Pecqueur<sup>1</sup> & E.

Rochelle-Newall<sup>7</sup> & C. Roques<sup>1</sup> & C. Salles<sup>8</sup> & M.-G. Tournoud<sup>8</sup> & C. Vasseur<sup>1,9</sup> & F.

Vidussi<sup>1</sup>

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](#)  
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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](#)

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Antoine Stier, Andréaz Dupoué, Damien Picard, Frédéric Angelier, François Brischoux,  
Olivier Lourdais

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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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■ [Expression map of a complete set of gustatory receptor genes in chemosensory organs of \*Bombyx mori\*](#)

March 2017, Insect Biochemistry and Molecular Biology Volume 82, , Pages 74–82  
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Shenglong Lia, Kiyoko Taniaib, Kiyoshi Asaokab, Keiko Kadono-Okudab, Kallare P.  
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## Février

■ [New Insights into the Roles of cAMP and InsP3 on Odor-Processing and Olfactory-Driven Behaviors](#)

Feb 2017 Journal of Cell Signaling 2:1  
Meena Sriti Murmu

## Chapter

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

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

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■ [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  
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■ [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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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. Mollot\*\*, 2, T.N. Romanuk††, 2, E. Thébaud#, 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](#)

February 2017 · Insectes Sociaux 02/2017 ; · DOI:10.1007/s00040-017-0541-3

Ajay Harit Hemanth Moger Jean-Louis Duprey Selvaraj Gajalakshmi Shahid Abbas Abbasi Sankaran Subramanian Pascal Jouquet

### ■ [Legacy of contaminant N sources to the NO<sub>3</sub><sup>-</sup> signature in rivers : a combined isotopic \(δ<sup>15</sup>N-NO<sub>3</sub><sup>-</sup>, δ<sup>18</sup>O-NO<sub>3</sub><sup>-</sup>, δ<sup>11</sup>B\) and microbiological investigation](#)

February 2017 · Scientific Reports 02/2017 ; 7:41703. · DOI:10.1038/srep41703

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

### ■ **Ouvrage**

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

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

## Janvier

### ■ [A spatial evaluation of global wildfire-water risks to human and natural systems](#)

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Robinne FN1, Bladon KD2, Miller C3, Parisien MA4, Mathieu J5, Flannigan MD

### ■ [Les sols et la vie souterraine : des enjeux majeurs en agroécologie](#)

January 2017 Quae

Mickaël Hedde Eric Blanchart Manuel Blouin S. Boulanger-Jaime Yvan Capowiez T.

Decaëns Pascal Jouquet Guénola Pérès Marine Zwicke

### ■ [Biodiversité et néonicotinoïdes : revisiter les questions de recherche : rapport du groupe d'évaluation de la recherche du conseil scientifique de la FRB](#)

Janv 2017

Guégan Jean-François, Barot Sébastien, Couvet D., Devictor V., Sarrazin F., Thébaud C., Thévenon S.

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

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■ [Does grassland introduction into cropping cycles affect carbon dynamics through changes of allocation of soil organic matter within aggregate fractions ?](#)

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M. Panettieri, C. Rumpel, M.-F. Dignac, A. Chabbi

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

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Isabelle Basbous Serhal Stéphanie Pateyron Françoise Cochet Juliette Leymarie Christophe Bailly

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■ [Habitat degradation increases stress-hormone levels during the breeding season and decreases survival and reproduction in adult common lizards](#)

January 2017 Oecologia •

Rémy Josserand Andréaz Dupoué Simon Agostini Claudy Haussy Jean François Le Galliard Sandrine Meylan

■ [Evolution of cheaper workers in ants : comparative study of exoskeleton thickness](#)

January 2017 · Biological Journal of the Linnean Society 01/2017 ; ·

DOI:10.1093/biolinnean/blx011

Christian Peeters · Mathieu Molet · Johan Billen

■ [Total organic carbon fluxes of the Red River system \(Vietnam\) : TOC fluxes of the Red River](#)

January 2017 · Earth Surface Processes and Landforms 01/2017 ; · DOI:10.1002/esp.4107

Thi Phuong Quynh Le, Viet Nga Dao, Emma Rochelle-Newall, Josette Garnier, XiXi Lu, Gilles Billen, Thi Thuy Duong, Cuong Tu Ho, Henri Etcheber, Thi Mai Huong Nguyen, Thi Bich Ngoc Nguyen, Bich Thuy Nguyen, Nhu Da Le, Quoc Long Pham

■ **Ouvrage**

[Cyanobacteria : Omics and Manipulation](#)

Pages : 55-74. Genomics of NRPS/PKS Biosynthetic Gene Clusters in Cyanobacteria  
Claire Pancrace, Muriel Gugger and Alexandra Calteau  
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■ [Impacts of Invasive Species on Food Webs : A Review of Empirical Data](#)

January 2017 · Advances in Ecological Research 01/2017 ; 56:1-60. ·

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P. David\*, , , E. Thébault†, O. Anneville‡, P.-F. Duyck§, E. Chapuis¶, ||, N. Loeuille†

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

January 2017 · Biogeosciences Discussions 01/2017 ; · DOI:10.5194/bg-2016-545

Cédric Doupoux<sup>1</sup>, Patricia Merdy<sup>1</sup>, Célia Régina Montes<sup>2</sup>, Naoise Nunan<sup>3</sup>, Adolpho José Melfi<sup>4</sup>, Osvaldo José Ribeiro Pereira<sup>2</sup>, and Yves Lucas<sup>1</sup>

■ [Genetic variation in light vision and light-dependent movement behaviour in the eyeless \*Collembola Folsomia candida\*](#)

January 2017 · Pedobiologia Volume 61, March 2017, Pages 33–41 ; ·

DOI:10.1016/j.pedobi.2016.12.001

Marta Gallardo Ruiz · Jean-François Le Galliard · Thomas Tully

■ [Candidate pheromone receptors of codling moth \*Cydia pomonella\* respond to pheromones and kairomones](#)

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Alberto Maria Cattaneo, Francisco Gonzalez, Jonas M. Bengtsson, Elizabeth A. Corey, Emmanuelle Jacquin-Joly, Nicolas Montagné, Umberto Salvagnin, William B. Walker, Peter Witzgall, Gianfranco Anfora & Yuriy V. Bobkov

■ [Insights into the \*Planktothrix\* genus : Genomic and metabolic comparison of benthic and planktic strains](#)

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Claire Pancrace, Marie-Anne Barny, Reiko Ueoka, Alexandra Calteau, Thibault Scalvenzi, Jacques Pédron, Valérie Barbe, Joern Piel, Jean-François Humbert & Muriel Gugger

■ [Invader Relative Impact Potential : a new metric to understand and predict the ecological impacts of existing, emerging and future invasive alien species](#)

January 2017 J Appl Ecol. doi:10.1111/1365-2664.12849

Jaimie T.A. Dick, Ciaran Laverty, Jack J. Lennon, Daniel Barrios-O'Neill, Paul J. Mensink, J. Robert Britton, Vincent Médoc, Pieter Boets, Mhairi E. Alexander, Nigel G. Taylor, Alison M. Dunn, Melanie J. Hatcher, Paula J. Rosewarne, Steven Crookes, Hugh J. MacIsaac, Meng Xu, Anthony Ricciardi, Ryan J. Wasserman, Bruce R. Ellender, Olaf L.F. Weyl, Frances E. Lucy, Peter B. Banks, Jennifer A. Dodd, Calum MacNeil, Marcin R. Penk, David C. Aldridge, Joseph M. Caffrey

■ [Massively Introduced Managed Species and Their Consequences for Plant–Pollinator Interactions](#)

January 2017 Advances in Ecological Research <http://dx.doi.org/10.1016/bs.aecr.2...>

B. Geslin\*, , , B. Gauzens†, M. Baude‡, I. Dajoz§, C. Fontaine¶, M. Henry||, L. Ropars\*, §, O. Rollin#, \*\*, E. Thébault§, N.J. Vereecken††



■ [Parasites and Biological Invasions : Predicting Ecological Alterations at Levels From Individual Hosts to Whole Networks](#)

January 2017 Advances in Ecological Research <http://dx.doi.org/10.1016/bs.aecr.2...>

V. Médoc\*, C. Firmat†, D.J. Sheath‡, J. Pegg‡, D. Andreou‡, J.R. Britton‡

■ [A background of a volatile plant compound alters neural and behavioral responses to the sex pheromone blend in a moth](#)

Jan 2017. Front. Physiol. | doi : 10.3389/fphys.2017.00079

Fabienne Dupuy<sup>2</sup>, Angela Rouyar<sup>1</sup>, Nina Deisig<sup>1</sup>, Thomas Bourgeois<sup>1</sup>, Denis LIMOUSIN<sup>1</sup>, Marie-Anne Wycke<sup>1, 3</sup>, Sylvia Anton<sup>2</sup> and Michel Renou<sup>1\*</sup>

■ **Ouvrage**

- Molecular Tools for the Detection of Toxigenic Cyanobacteria in Natural Ecosystems  
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Humbert J. F.
- Ecology of Cyanobacteria  
pp. 11-18  
Humbert J. F., Fastner J.
- New Tools for the Monitoring of Cyanobacteria in Freshwater Ecosystems  
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- Case Studies of Environmental Sampling, Detection, and Monitoring of Potentially Toxic Cyanobacteria  
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- Basic Guide to Detection and Monitoring of Potentially Toxic Cyanobacteria  
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Nico Salmaso, Cécile Bernard , Jean-François Humbert, Reyhan Akçaalan, Meriç Albay, Andreas Ballot , Arnaud Catherine, Jutta Fastner , Kerstin Häggqvist, Mária Horecká, Katarzyna Izydorczyk, Latife Köker , Jiří Komárek, Selma Maloufi, Joanna Mankiewicz-Boczek, James S. Metcalf , Antonio Quesada, Catherine Quiblier, Yéprémian. C.

■ [Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis](#)

January 2017 Wiley London,

Jussi Meriluoto (Editor), Lisa Spoo (Editor), Geoffrey A. Codd (Editor)

■ [How does an increase in minimum daily temperatures during incubation influence reproduction in the great tit \(\*Parus major\*\) ?](#)

January 2017 • Journal of Avian Biology 01/2017 ;

Marie Vaugoyeau • Sandrine Meylan • Clotilde Biard

■ [Explore less to control more : why and when should plants limit the horizontal exploration of soil by their roots ?](#)

January 2016 OIKOS Synthesising Ecology DOI : 10.1111/oik.02726

H. de Parseval • Luc Abbadie • Sébastien Barot • Jacques Gignoux • Jean-Christophe Lata • X. Raynaud

Conference Paper

■ [CRISPR/Cas9-induced anosmia in the crop pest moth \*Spodoptera littoralis\*](#)

January 2016 • 2016 International Congress of Entomology ; 01/2016

Fotini Koutroumpa