



# REVISTAS DE INTERÉS FORESTAL EN

## OPEN ACCESS

### Nº 2 / 2013



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<b>FIRE ECOLOGY</b>	Vol. 9 (2013) Nº 1	<b>WILDFIRE</b>	May / June (2013)

Dirección: Ana Carrizosa Fuertes

Composición de imágenes y textos: Begoña Jalón Gutiérrez

## INFORMACIÓN DE LAS REVISTAS

### **Agrociencia**

**ISSN:** 14053195

**Subject:** Agriculture (General) --- Forestry --- Animal Sciences

**Publisher:** Colegio de Postgraduados

**Country:** Mexico

**Language:** Spanish, English

**Keywords:** animal science, livestock, agriculture, forestry

**Start year:** 2000

### **Biogeosciences**

**ISSN:** 17264170

**EISSN:** 17264189

**Subject:** Earth Sciences --- Geology --- Biology

**Publisher:** Copernicus Publications

**Country:** Germany

**Language:** English

**Keywords:** astrobiology, exobiology, biodiversity and ecosystem function, biogeochemistry, biogeophysics, paleobiogeoscience

**Start year:** 2004

### **Biotechnologie, Agronomie, Société et Environnement**

**ISSN/EISSN:** 13706233 17804507

**Publisher:** University of Liege

**Subject:** Agriculture (General) --- Environmental Sciences --- Biotechnology

**Country:** Belgium **Language:** English, French

**Start year:** 1997

### **Boreal Environment Research**

**ISSN:** 12396095

**Subject:** Environmental Sciences --- Ecology

**Publisher:** Boreal Environment Research Publishing Board

**Country:** Finland

**Language:** English

**Keywords:** environment, geosciences, marine & freshwater biology, meteorology & atmospheric sciences, forestry, water resources

**Start year:** 1997

### **Bosque (Valdivia)**

**ISSN:** 03048799

**EISSN:** 07179200

**Subject:** Forestry

**Publisher:** Universidad Austral de Chile

**Country:** Chile

**Language:** English, Spanish

**Keywords:** agricultural sciences

**Start year:** 1975

## **Ecology and Society**

**ISSN:** 17083087

**Subject:** Ecology

**Publisher:** The Resilience Alliance

**Country:** Canada

**Language:** English

**Keywords:** conservation, biology, ecology

**Start year:** 2004

## **Endangered Species Research**

**ISSN:** 18635407

**EISSN:** 16134796

**Subject:** Ecology

**Publisher:** Inter-Research

**Country:** Germany

**Language:** English

**Keywords:** conservation, biodiversity, ecology, biology, environment

**Start year:** 2004

## **Fire Ecology**

**ISSN:** 19339747

**Subject:** Ecology

**Publisher:** Association for Fire Ecology

**Country:** United States

**Language:** English

**Keywords:** fire ecology, fire history, prescribed fire, fire regime, wildfires

**Start year:** 2005

## **Forest@**

**ISSN:** 18240119

**Subject:** Forestry

**Publisher:** Italian Society of Silviculture and Forest Ecology - SISEF

**Country:** Italy

**Language:** Italian, English

**Keywords:** silviculture, forest ecology, ecophysiology, conservation genetics, forest biodiversity, forest management

**Start year:** 2004

## **Forests**

**ISSN:** 19994907

**Subject:** Forestry

**Publisher:** MDPI AG

**Country:** Switzerland

**Language:** English

**Keywords:** forest engineering, forest science, woodlands, forest entomology, forest ecology, forest economics, tropical forest

**Start year:** 2010

## **I Forest: Biogeosciences and Forestry**

**ISSN:** 19717458

**Subject:** Forestry

**Publisher:** Italian Society of Silviculture and Forest Ecology - SISEF

**Country:** Italy

**Language:** English

**Keywords:** forest, biogeoscience, forestry

**Start year:** 2008

### **International Journal of Ecology**

**ISSN:** 16879708

**EISSN:** 16879716

**Subject:** Ecology

**Publisher:** Hindawi Publishing Corporation

**Country:** United States

**Language:** English

**Keywords:** ecology

**Start year:** 2009

### **Open Forest Science Journal**

**ISSN/EISSN:** 18743986

**Publisher:** Bentham open

**Subject:** Forestry

**Country:** United States **Language:** English

**Start year** 2008

**Publication fee:** Yes --- Further Information

### **Open Journal of Forestry**

**ISSN:** 21630429

**EISSN:** 21630437

**Subject:** Forestry

**Publisher:** Scientific Research Publishing

**Country:** United States

**Language:** English

**Keywords:** cultivation of economic plants, forest protection, gardening, urban forestry

**Start year:** 2011

### **Turkish Journal of Agriculture and Forestry**

**ISSN:** 1300011X

**EISSN:** 13036173

**Subject:** Agriculture (General) --- Forestry

**Publisher:** Scientific and Technical Research Council of Turkey

**Language:** English

**Keywords:** agriculture, forestry

**Start year:** 1998

### **Wildfire**

**ISSN:** 1073-5658

**Subject:** Fire prevention

**Publisher:** Penton Business Media, Inc. and Penton Media Inc.

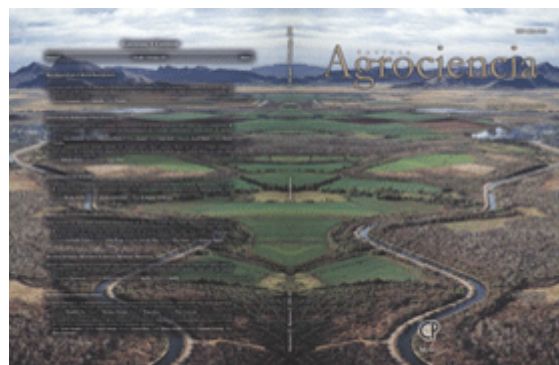
**Language:** English

**Keywords:** Command, Forestry

**Country:** Fairfield (United States)

**Start year:** 2009





### Agua-Suelo-Clima / Water-Soils-Climate

Archivos / Files

COMPARACIÓN ENTRE UN MODELO HIDRODINÁMICO COMPLETO Y UN MODELO HIDROLÓGICO EN RIEGO POR MELGAS / [COMPARISON BETWEEN A HYDRODYNAMIC FULL MODEL AND A HYDROLOGIC MODEL IN BORDER IRRIGATION.](#)

[Vladimir Castanedo](#), [Heber Saucedo](#), [Carlos Fuentes](#)



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### Ciencia de los Alimentos / Food Science

AVENANTHRAMIDES AND NUTRITIONAL COMPONENTS OF FOUR MEXICAN OAT (*Avena sativa* L.) VARIETIES / [AVENANTRAMIDAS Y COMPONENTES NUTRICIONALES DE CUATRO VARIEDADES MEXICANAS DE AVENA \(\*Avena sativa\* L.\).](#)

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### Fitociencia / Crop Science

EL TIPO DE BOQUILLA NO ALTERA LA EFECTIVIDAD DE LOS HERBICIDAS PROSULFURON, BROMOXINIL Y 2,4-D / [NOZZLE TYPE DOES NOT CHANGE HERBICIDE EFFECTIVENESS OF PROSULFURON, BROMOXINIL AND 2,4-D.](#)

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### Protección Vegetal / Plant Protection

EVALUACIÓN DE AISLADOS NATIVOS MEXICANOS DE *Beauveria bassiana* (Bals.) Vuill. (Hypocreales: Cordycipitaceae) PROVENIENTES DE ZONAS CITRÍCOLAS PARA SU PRODUCCIÓN MASIVA EN CULTIVO SUMERGIDO Y BIFÁSICO / [EVALUATION OF MEXICAN NATIVE ISOLATES OF \*Beauveria bassiana\* \(Bals.\) Vuill. \(Hypocreales: Cordycipitaceae\) FROM CITRUS-GROWING AREAS OF MASS PRODUCTION IN SUBMERGED AND BIPHASIC CULTURE.](#)



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## Recursos Naturales Renovables / Natural Renewable Resources

SERIES TEMPORALES DE VEGETACIÓN PARA UN MODELO  
FORESTAL DESTRUIDO: EL CASO DE TADLA AZILAL  
(MARRUECOS) / TIME SERIES OF VEGETATION FOR A  
DESTROYED FOREST MODEL: THE CASE OF TADLA AZILAL  
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## Socioeconomía / Socioeconomics

LA BIOECONOMIA, LAS BIOREFINERÍAS Y LAS OPCIONES  
REALES: EL CASO DEL BIOETANOL Y EL AZÚCAR / REAL  
OPTIONS, BIOREFINERIES AND BIOECONOMY: THE CASE  
OF BIOETHANOL AND SUGAR.

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María M. Rojas-Rojas, Verónica Pérez-Cerecedo



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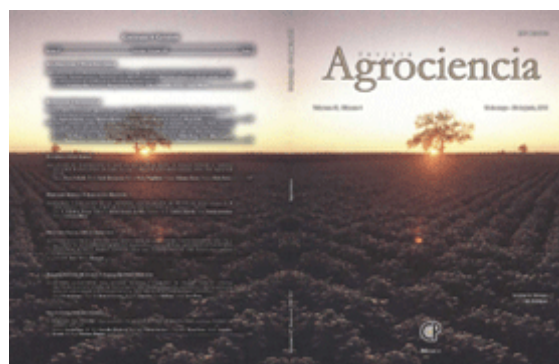
RESPUESTA DE LA DEMANDA DE AGUA A CAMBIOS EN EL  
PRECIO: UN ESTUDIO POR TIPO DE CONSUMIDOR EN EL  
NORTE DE SINALOA, MÉXICO / RESPONSE OF THE WATER  
DEMAND TO CHANGES IN THE PRICE: A STUDY BY TYPE  
OF CONSUMER IN NORTHERN OF SINALOA, MEXICO.

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### Agua-Suelo-Clima / Water-Soils-Climate

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INFLUENCIA DE MICORRIZAS ARBUSCULARES *Glomus* spp. EN EL CRECIMIENTO Y ACUMULACIÓN DE COBRE EN GIRASOL *Helianthus annuus* L. / INFLUENCE OF ARBUSCULAR MYCORRHIZAL *Glomus* spp. ON GROWTH AND ACCUMULATION OF COPPER IN SUNFLOWER *Helianthus annuus* L.

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### Biotecnología / Biotechnology

STABLE AND EFFICIENT *Agrobacterium tumefaciens* MEDIATED TRANSFORMATION OF *Phaseolus vulgaris* / TRANSFORMACIÓN ESTABLE Y EFICIENTE DE *Phaseolus vulgaris* MEDIADA POR *Agrobacterium tumefaciens*.

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LIPOPHILIC CONSTITUENTS AND SOME BIOLOGICAL ACTIVITIES OF HEXANIC EXTRACTS FROM *Zaluzania montagnifolia*, (SCH. BIP.) SCH. BIP. (ASTERACEAE) / CONSTITUYENTES LIPOFÍLICOS Y ALGUNAS ACTIVIDADES BIOLÓGICAS DE LOS EXTRACTOS HEXÁNICOS DE *Zaluzania montagnifolia* (SCH. BIP.) SCH. BIP. (ASTERACEAE).

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DESARROLLO Y EVALUACIÓN DE UN PROTOTIPO DESCASCARADOR DE FRUTOS DE *Ricinus communis* L. / DEVELOPMENT AND EVALUATION OF A SHELLING PROTOTYPE OF *Ricinus communis* L. FRUITS.

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### Protección Vegetal / Plant Protection

ACTIVIDAD ANTIFÚNGICA DE EXTRACTOS CRUDOS DE *Bacillus subtilis* CONTRA FITOPATÓGENOS DE SOJA (*Glycine max.*) Y EFECTO DE SU COINOCULACIÓN CON *Bradyrhizobium japonicum* / *Bacillus subtilis* CRUDE EXTRACTS WITH ANTIFUNGAL ACTIVITY AGAINST SOYBEAN (*Glycine max.*) PHYTOPATHOGENS AND *Bradyrhizobium japonicum* COINOCULATION EFFECT.

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### Recursos Naturales Renovables / Natural Renewable Resources

ECUACIONES ALOMÉTRICAS PARA ESTIMAR BIOMASA Y CARBONO DE CUATRO ESPECIES LEÑOSAS NEOTROPICALES CON POTENCIAL PARA LA RESTAURACIÓN / ALLOMETRIC EQUATIONS USED TO ESTIMATE BIOMASS AND CARBON IN FOUR NEOTROPICAL TREE SPECIES WITH RESTORATION POTENTIAL.

David Douterlungne, Angel M. Herrera-Gorocica, Bruce G. Ferguson, Ilyas Siddique, Lorena Soto-Pinto



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### Socioeconomía / Socioeconomics

EL MERCADO DEL PLÁTANO (*Musa paradisiaca*) EN MÉXICO, 1971-2017 / BANANA (*Musa paradisiaca*) MARKET IN MÉXICO, 1971-2017.

Roberto García-Mata, M. Félix González-Machorro, R. Carlos García-Sánchez, J. Saturnino Mora-Flores, Adrián González-Estrada, M. Ángel Martínez-Damian



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## Biogeosciences

### Volumen 10 - N° 5 (2013)

The real limits to marine life: a further critique of the Respiration Index

B. A. Seibel and J. J. Childress

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[Abstract](#) [Final Revised Paper](#) (PDF, 654 KB) [Discussion Paper](#) (BGD) [Special Issue](#)

Interconnectivity vs. isolation of prokaryotic communities in European deep-sea mud volcanoes

M. G. Pachiadaki and K. A. Kormas

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[Abstract](#) [Final Revised Paper](#) (PDF, 2935 KB) [Supplement](#) (2066 KB) [Discussion Paper](#) (BGD)  
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Ecosystem function and particle flux dynamics across the Mackenzie Shelf (Beaufort Sea, Arctic Ocean): an integrative analysis of spatial variability and biophysical forcings

A. Forest, M. Babin, L. Stemmann, M. Picheral, M. Sampei, L. Fortier, Y. Gratton, S. Bélanger, E. Devred, J. Sahlin, D. Doxaran, F. Joux, E. Ortega-Retuerta, J. Martín, W. H. Jeffrey, B. Gasser, and J. Carlos Miquel

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[Abstract](#) [Final Revised Paper](#) (PDF, 6674 KB) [Supplement](#) (11595 KB) [Discussion Paper](#) (BGD)  
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A new conceptual model of coral biomineralisation: hypoxia as the physiological driver of skeletal extension

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Annual carbon balance of a peatland 10 yr following restoration

M. Strack and Y. C. A. Zuback

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Combining a coupled FTIR-EGA system and in situ DRIFTS for studying soil organic matter in arable soils

M. S. Demyan, F. Rasche, M. Schütt, N. Smirnova, E. Schulz, and G. Cadisch

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[Abstract](#) [Final Revised Paper](#) (PDF, 2512 KB) [Supplement](#) (120 KB) [Discussion Paper](#) (BGD)

The Unified North American Soil Map and its implication on the soil organic carbon stock in North America

S. Liu, Y. Wei, W. M. Post, R. B. Cook, K. Schaefer, and M. M. Thornton

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[Abstract](#) [Final Revised Paper](#) (PDF, 3562 KB) [Discussion Paper](#) (BGD)

The large variation in organic carbon consumption in spring in the East China Sea

C.-C. Chen, G.-C. Gong, F.-K. Shiah, W.-C. Chou, and C.-C. Hung

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[Abstract](#) [Final Revised Paper](#) (PDF, 11413 KB) [Supplement](#) (122 KB) [Discussion Paper](#) (BGD)  
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Trophic state of benthic deep-sea ecosystems from two different continental margins off Iberia

A. Dell'Anno, A. Pusceddu, C. Corinaldesi, M. Canals, S. Heussner, L. Thomsen, and R. Danovaro

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Water supply patterns over Germany under climate change conditions

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[Abstract](#) [Final Revised Paper](#) (PDF, 2092 KB) [Supplement](#) (58 KB) [Discussion Paper](#) (BGD)  
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Assessing the role of dust deposition on phytoplankton ecophysiology and succession in a low-nutrient low-chlorophyll ecosystem: a mesocosm experiment in the Mediterranean Sea

V. Giovagnetti, C. Brunet, F. Conversano, F. Tramontano, I. Obernosterer, C. Ridame, and C. Guieu

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[Abstract](#) [Final Revised Paper](#) (PDF, 2699 KB) [Discussion Paper](#) (BGD) [Special Issue](#)

Net sea–air CO<sub>2</sub> flux uncertainties in the Bay of Biscay based on the choice of wind speed products and gas transfer parameterizations

P. Otero, X. A. Padin, M. Ruiz-Villarreal, L. M. García-García, A. F. Ríos, and F. F. Pérez

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Soil respiration on an aging managed heathland: identifying an appropriate empirical model for predictive purposes

G. R. Kopittke, E. E. van Loon, A. Tietema, and D. Asscheman

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[Abstract](#) [Final Revised Paper](#) (PDF, 2581 KB) [Discussion Paper](#) (BGD)

Seamount physiography and biology in the north-east Atlantic and Mediterranean Sea

T. Morato, K. Ø. Kvile, G. H. Taranto, F. Tempera, B. E. Narayanaswamy, D. Hebbeln, G. M. Menezes, C. Wienberg, R. S. Santos, and T. J. Pitcher

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Seasonal variations of virus- and nanoflagellate-mediated mortality of heterotrophic bacteria in the coastal ecosystem of subtropical western Pacific

A. Y. Tsai, G.-C. Gong, and J. Hung

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Surface pathway of radioactive plume of TEPCO Fukushima NPP1 released  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$   
M. Aoyama, M. Uematsu, D. Tsumune, and Y. Hamajima  
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Nitrogen isotope dynamics and fractionation during sedimentary denitrification in Boknis Eck,  
Baltic Sea

K. Dähnke and B. Thamdrup

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Net primary productivity, allocation pattern and carbon use efficiency in an apple orchard  
assessed by integrating eddy covariance, biometric and continuous soil chamber  
measurements

D. Zanotelli, L. Montagnani, G. Manca, and M. Tagliavini

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Implications of elevated  $\text{CO}_2$  on pelagic carbon fluxes in an Arctic mesocosm study – an  
elemental mass balance approach

J. Czerny, K. G. Schulz, T. Boxhammer, R. G. J. Bellerby, J. Büdenbender, A. Engel,

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Unravelling the environmental drivers of deep-sea nematode biodiversity and its relation with  
carbon mineralisation along a longitudinal primary productivity gradient

E. Pape, T. N. Bezerra, D. O. B. Jones, and A. Vanreusel

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Organic matter composition and stabilization in a polygonal tundra soil of the Lena Delta

S. Höfle, J. Rethemeyer, C. W. Mueller, and S. John

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The impact of land-use change on floristic diversity at regional scale in southern Sweden 600  
BC–AD 2008

D. Fredh, A. Broström, M. Rundgren, P. Lagerås, F. Mazier, and L. Zillén

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Carbon isotopic evidence for microbial control of carbon supply to Orca Basin at the seawater–  
brine interface

S. R. Shah, S. B. Joye, J. A. Brandes, and A. P. McNichol

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Winter greenhouse gas fluxes ( $\text{CO}_2$ ,  $\text{CH}_4$  and  $\text{N}_2\text{O}$ ) from a subalpine grassland

L. Merbold, C. Steinlin, and F. Hagedorn

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Effects of soil temperature and moisture on methane uptake and nitrous oxide emissions across three different ecosystem types

G. J. Luo, R. Kiese, B. Wolf, and K. Butterbach-Bahl

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Sediment transport along the Cap de Creus Canyon flank during a mild, wet winter

J. Martín, X. Durrieu de Madron, P. Puig, F. Bourrin, A. Palanques, L. Houpert, M. Higuera, A. Sanchez-Vidal, A. M. Calafat, M. Canals, S. Heussner, N. Delsaut, and C. Sotin

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An overview of chemosynthetic symbioses in bivalves from the North Atlantic and Mediterranean Sea

S. Duperron, S. M. Gaudron, C. F. Rodrigues, M. R. Cunha, C. Decker, and K. Olu

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Limitations of microbial hydrocarbon degradation at the Amon mud volcano (Nile deep-sea fan)

J. Felden, A. Lichtschlag, F. Wenzhöfer, D. de Beer, T. Feseker, P. Pop Ristova, G. de Lange, and A. Boetius

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Effect of CO<sub>2</sub> enrichment on bacterial metabolism in an Arctic fjord

C. Moteji, T. Tanaka, J. Piontek, C. P. D. Brussaard, J.-P. Gattuso, and M. G. Weinbauer

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Sulphur compounds, methane, and phytoplankton: interactions along a north–south transit in the western Pacific Ocean

C. Zindler, A. Bracher, C. A. Marandino, B. Taylor, E. Torrecilla, A. Kock, and H. W. Bange

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[Abstract](#) [Final Revised Paper](#) (PDF, 1069 KB) [Supplement](#) (255 KB) [Discussion Paper](#) (BGD)

A comprehensive benchmarking system for evaluating global vegetation models

D. I. Kelley, I. C. Prentice, S. P. Harrison, H. Wang, M. Simard, J. B. Fisher, and K. O. Willis

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Phosphorus sorption and buffering mechanisms in suspended sediments from the Yangtze Estuary and Hangzhou Bay, China

M. Li, M. J. Whelan, G. Q. Wang, and S. M. White

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## Boreal Environment Research

### Volumen 18 - N° 3 / 4 (2013)

**Lappalainen, M., Kukkonen, J. V. K., Piirainen, S, Sarjala, T., Setälä, H., Koivusalo, H., Finér, L. & Laurén, A. 2013:** Nitrogen release in decomposition of boreal mor and peat as affected by enchytraeid worms. *Boreal Env. Res.* 18: 181–194.

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**Tönno, I., Kirsi, A.-L., Freiberg, R., Alliksaar, T., Lepane, V., Köiv, T., Kisand A. & Heinsalu, A. 2013:** Ecosystem changes in large and shallow Võrtsjärv, a lake in Estonia — evidence from sediment pigments and phosphorus fractions. *Boreal Env. Res.* 18: 195–208.

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

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

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

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

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

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Northeast Brazil shows highest hawksbill turtle nesting density in the South Atlantic

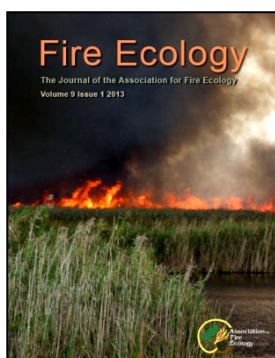
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## Fire Ecology

### Volumen 9 - N° 1 (2013)

#### Introduction

Fire and Water: New Perspectives on Fire's Role In Shaping Wetland Ecosystems

**Authors:** [Todd Z. Osborne](#), [Leda N. Kobziar](#), and [Patrick W. Inglett](#)

**Pages:** 1-5

**DOI:** [10.4996/fireecology.0901001](https://doi.org/10.4996/fireecology.0901001)

This special issue of *Fire Ecology* is dedicated to furthering scientific understanding of the role fire plays in the development and functioning of wetland ecosystems. [\[Read more\]](#)

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#### Research Articles

Fire Effects on Nitrogen Cycling in Native and Restored Calcareous Wetlands

**Authors:** [Xiaolin Liao](#), [Patrick W. Inglett](#), and [Kanika S. Inglett](#)

**Pages:** 6-20

**DOI:** [10.4996/fireecology.0901006](https://doi.org/10.4996/fireecology.0901006)

Fire is an important natural process and management tool in the Florida Everglades, but few studies have examined its effects on nutrients; nitrogen (N) in particular has received little attention across the whole Everglades system. [\[Read more\]](#)

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Impacts of Fire on Microbial Carbon Cycling in Subtropical Wetlands

**Authors:** [Cassandra A. Medvedeff](#), [Kanika S. Inglett](#), [Leda N. Kobziar](#), and [Patrick W. Inglett](#)

**Pages:** 21-37

**DOI:** [10.4996/fireecology.0901021](https://doi.org/10.4996/fireecology.0901021)

Fire is a major determinant of the global carbon (C) balance. While it is known that C is lost through organic matter combustion, the effect fire has on soil C biogeochemistry is unclear. Studies investigating the role of fire on C greenhouse gas production (CO<sub>2</sub> and CH<sub>4</sub>) have

been conducted in forested and grassland ecosystems, yet research in wetlands has been limited. [\[Read more\]](#)

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Tree Island Response to Fire and Flooding in the Short-Hydroperiod Marl Prairie Grasslands of the Florida Everglades, USA

**Authors:** [Pablo L. Ruiz](#), [Jay P. Sah](#), [Michael S. Ross](#), and [Adam A. Spitzig](#)

**Pages:** 38-54

**DOI:** 10.4996/fireecology.0901038

Within the marl prairie grasslands of the Florida Everglades, USA, the combined effects of fire and flooding usually lead to very significant changes in tree island structure and composition. Depending on fire severity and post-fire hydroperiod, these effects vary spatially and temporally throughout the landscape, creating a patchy post-fire mosaic of tree islands with different successional states. [\[Read more\]](#)

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Multi-Year Salutary Effects of Windstorm and Fire on River Cane

**Authors:** [Paul R. Gagnon](#), [Heather A. Passmore](#), and [William J. Platt](#)

**Pages:** 55-65

**DOI:** 10.4996/fireecology.0901055

Canebrakes are monodominant stands of cane (*Arundinaria gigantea* [Walter] Muhl.), a bamboo native to and once prominent in the southeastern USA. Canebrakes were important wildlife habitat within the bottomland hardwood forest ecosystem. They have been reduced in areal coverage by an estimated 98 % since European settlement due to land conversion and the drastic alteration of disturbance regimes in their floodplain habitat. [\[Read more\]](#)

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Dynamics of Mangrove-Marsh Ecotones in Subtropical Coastal Wetlands: Fire, Sea-Level Rise, and Water Levels

**Authors:** [Thomas J. Smith III](#), [Ann M. Foster](#), [Ginger Tiling-Range](#), and [John W. Jones](#)

**Pages:** 66-77

**DOI:** 10.4996/fireecology.0901066

Ecotones are areas of sharp environmental gradients between two or more homogeneous vegetation types. They are a dynamic aspect of all landscapes and are also responsive to climate change. Shifts in the position of an ecotone across a landscape can be an indication of a changing environment. In the coastal Everglades of Florida, USA, a dominant ecotone type is that of mangrove forest and marsh. [\[Read more\]](#)

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Foraging Wading Bird (Ciconiiformes) Attraction to Prescribed Burns in an Oligotrophic Wetland

**Authors:** [Louise S. Venne](#) and [Peter C. Frederick](#)

**Pages:** 78-95

**DOI:** 10.4996/fireecology.0901078

Many wetland communities are fire prone or fire dependent, especially those dominated by forbs and grasses. Despite our considerable knowledge about fire effects on wildlife in uplands, there is a relative paucity of information about effects of fire in wetland systems. Long-legged wading birds (herons, egrets, ibises, storks, spoonbills; order Ciconiiformes) may benefit from fire through the exposure of prey after vegetation removal, or through a trophic response of prey to increased availability of nutrients and increased light. [\[Read more\]](#)

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Evaluating Methods to Restore Amphibian Habitat in Fire-Suppressed Pine Flatwoods Wetlands

**Authors:** [Thomas A. Gorman](#), [Carola A. Haas](#), and [John G. Himes](#)

**Pages:** 96-109

**DOI:** 10.4996/fireecology.0901096

Although fire is recognized as an important disturbance in longleaf pine uplands of the southeastern US, less is known about the importance of fire or other disturbances in the wetlands embedded within this ecosystem. The reticulated flatwoods salamander (*Ambystoma bishopi*), a federally endangered species, and other rare and declining amphibians, are less likely to breed in low-quality wetlands with high canopy cover and low herbaceous groundcover that typically occur from fire exclusion. [\[Read more\]](#)

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Successional and Transitional Models of Natural South Florida, USA, Plant Communities

**Authors:** [Michael J. Duever](#) and [Richard E. Roberts](#)

**Pages:** 110-123

**DOI:** 10.4996/fireecology.0901110

We developed a conceptual successional model for South Florida that describes relationships among major natural plant communities in terms of the region's two major environmental processes, hydrology and fire regime. [\[Read more\]](#)

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Smoldering Combustion and Ground Fires: Ecological Effects and Multi-Scale Significance

**Authors:** [Adam C. Watts](#) and [Leda N. Kobziar](#)

**Pages:** 124-132

**DOI:** 10.4996/fireecology.0901124

Although fires in wetlands would seem to be rare or impossible by definition, these ecosystems do occasionally experience fire. A common feature of fires in wetlands is smoldering combustion in organic soils, such as peat and muck. [\[Read more\]](#)

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Wetland Fire Scar Monitoring and Analysis Using Archival Landsat Data for the Everglades

**Authors:** [John W. Jones](#), [Annette E. Hall](#), [Ann M. Foster](#), and [Thomas J. Smith III](#)

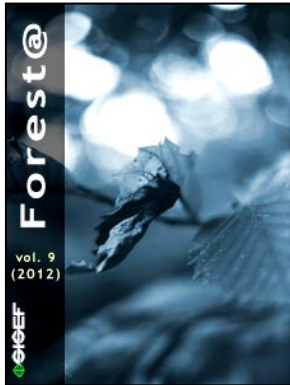
**Pages:** 133-150

**DOI:** 10.4996/fireecology.0901133

The ability to document the frequency, extent, and severity of fires in wetlands, as well as the dynamics of post-fire wetland land cover, informs fire and wetland science, resource management, and ecosystem protection. [\[Read more\]](#)

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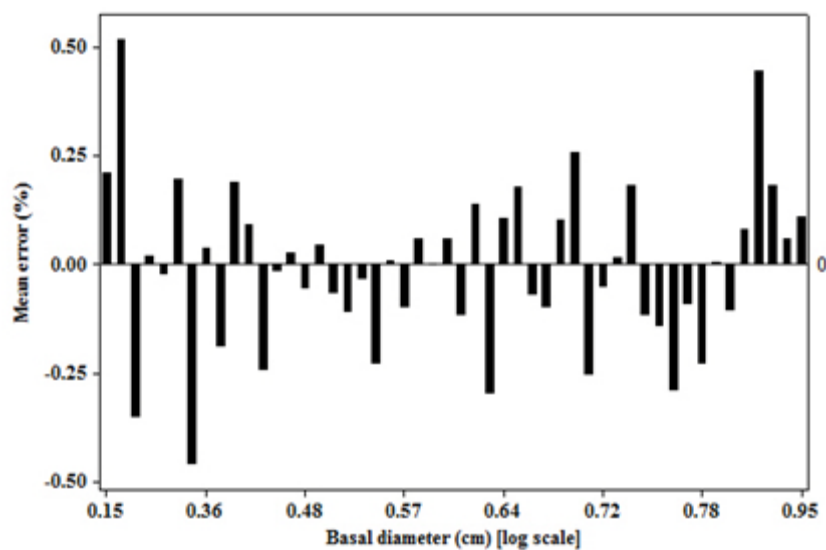
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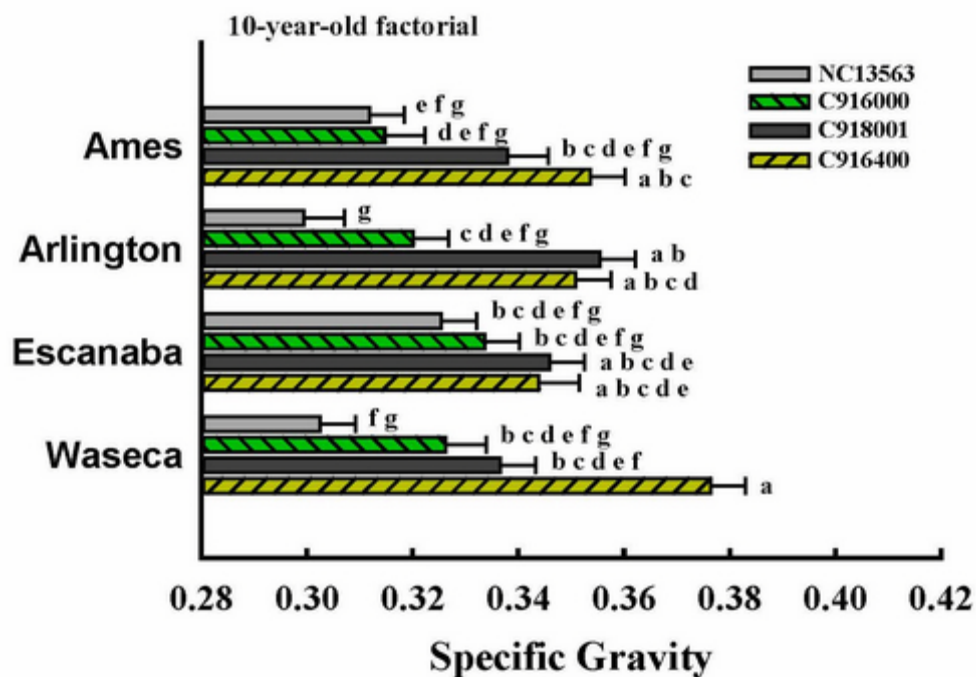
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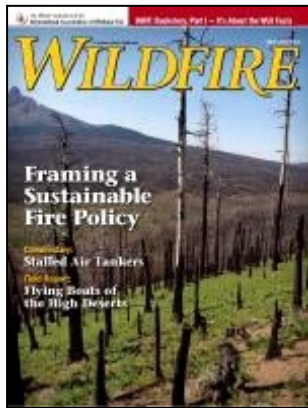
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