

Open Journal of Forestry

Special Issue on Forest Restoration and Regeneration



ISSN: 2163-0429



Journal Editorial Board

ISSN Print: 2163-0429 ISSN Online: 2163-0437

<http://www.scirp.org/journal/ojf>

Editorial Board

Dr. Shorna Broussard Allred	Cornell University, USA
Prof. Filippos A. Aravanopoulos	Aristotle University of Thessaloniki, Greece
Dr. Darryl E. Carlyle-Moses	Thompson Rivers University, Canada
Dr. Sauren Das	Indian Statistical Institute, India
Dr. Nadir Erbilgin	University of Alberta, Canada
Dr. Yunting Fang	Tokyo University of Agriculture and Technology, Japan
Dr. Paul M. Feikema	University of Melbourne, Australia
Dr. Christine Fürst	Dresden University of Technology, Germany
Dr. Charles Goebel	The Ohio State University, USA
Prof. Donald G. Hodges	University of Tennessee, USA
Dr. Ryo Kohsaka	Kanazawa University, Japan
Dr. Xinguo Li	Commonwealth Scientific and Industrial Research Organization, Australia
Dr. Edward F. Loewenstein	Auburn University, USA
Prof. Adele Muscolo	University of Reggio Calabria, Italy
Dr. David Mateiyenu Nanang	Natural Resources Canada, Canada
Dr. Carla Nati	National Research Council-Timber and Tree Institute, Italy
Prof. Jamal Ragheb Said Qasem	University of Jordan, Jordan
Dr. Muluaalem Tigabu	Swedish University of Agricultural Sciences, Sweden
Dr. Giustino Tonon	University of Bolzano, Italy
Prof. Rajvir Yadav	Junagadh Agriculture University, India
Dr. Yongping Yuan	US Environmental Protection Agency, USA
Prof. Jintun Zhang	Beijing Normal University, China

TABLE OF CONTENTS

Volume 4 Number 2

February 2014

Evaluating Southern Appalachian Forest Dynamics without Eastern Hemlock: Consequences of Herbivory by the Hemlock Woolly Adelgid	
A. G. Birt, Y. Zeng, M. D. Tchakerian, R. N. Coulson, C. W. Lafon, D. M. Cairns, J. Waldron, W. Xi, S.-H. Chen, D. A. Street.....	91
Strategies for Achieving Sustainable Logging Rate in the Brazilian Amazon Forest	
E. M. Braz, P. P. de Mattos, M. F. Oliveira, R. O. Basso.....	100
Restoration of Coast Redwood (<i>Sequoia sempervirens</i>) Forests through Natural Recovery	
W. Russell, J. Sinclair, K. H. Michels.....	106
Computer Modelling as an Aid to Forest and Woodland Restoration	
J. D. Majer, A. Dunn, J.-P. Orsini.....	112
Analysis of Land Use and Land Cover Changes and Evaluation of Natural Generation and Potential Restoration Areas in the Mexican Huasteca Region	
C. Peralta-Rivero, C. Contreras-Servín, M. G. Galindo-Mendoza, J.-F. M. Causse, M. Algara-Siller.....	124
Distribution and Diversity of Rhizobial Populations Associated with <i>Acacia senegal</i> (L.) Willd. Provenances in Senegalese Arid and Semiarid Regions	
N. Bakhom, C. Le Roux, D. Diouf, A. Kane, F. Ndoye, D. Fall, R. Duponnois, K. Noba, S. N. Sylla, A. Galiana.....	136
The Saproxylic Activity Index: A New Tool for the Rapid Assessment of Deadwood Species during Forest Restoration	
M. L. Burns, M. Smith, E. M. Slade, R. A. Ennos.....	144
Natural Regeneration in Tropical Secondary Forest in Southern Amazonia, Brazil	
A. Ebert, L. R. Teixeira, A. Z. C. da Silva, R. B. da Costa.....	151
Installation of a Riparian Forest by Means of Soil Bio Engineering Techniques—Monitoring Results from a River Restoration Work in Southern Brazil	
H. P. Rauch, F. Sutili, S. Hörbinger.....	161

The figure on the front cover is from the article published in Open Journal of Forestry, 2014, Vol. 4, No. 2, pp. 161-169 by Hans Peter Rauch et al.

Open Journal of Forestry (OJF)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Forestry* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$69 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2014 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

COPYRIGHT FOR INDIVIDUAL PAPERS OF THE JOURNAL:

Copyright © 2014 by author(s) and Scientific Research Publishing Inc.

REUSE RIGHTS FOR INDIVIDUAL PAPERS:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

DISCLAIMER OF LIABILITY

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ojf@scirp.org



Open Journal of Forestry

ISSN 2163-0429 (Print) ISSN 2163-0437 (Online)

<http://www.scirp.org/journal/ojf>

Open Journal of Forestry (OJF) is an international journal dedicated to the latest advancement of forestry. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of forestry.

Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Carbon and Biomass Assessment
- Cultivation of Economic Plants
- Economic Management of Forest Resources
- Forest Botany
- Forest Ecology
- Forest Entomology
- Forest Environmentology
- Forest Fire/Wildfire
- Forest Genetics and Plant Breeding
- Forest Management Science
- Forest Operation
- Forest Pathology
- Forest Pest Control
- Forest Policy Analysis
- Forest Protection
- Forest Statistics
- Forestry Economics and Management
- Forestry Projects
- Gardening
- Human Dimensions of Forestry
- Land Resource Science
- Plant Nutrition
- Plant Physiology
- Silviculture
- Soil Fertilizer Science
- Urban Forestry
- Wildlife Conservation and Management

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<http://www.scirp.org/journal/ojf> E-mail: ojf@scirp.org