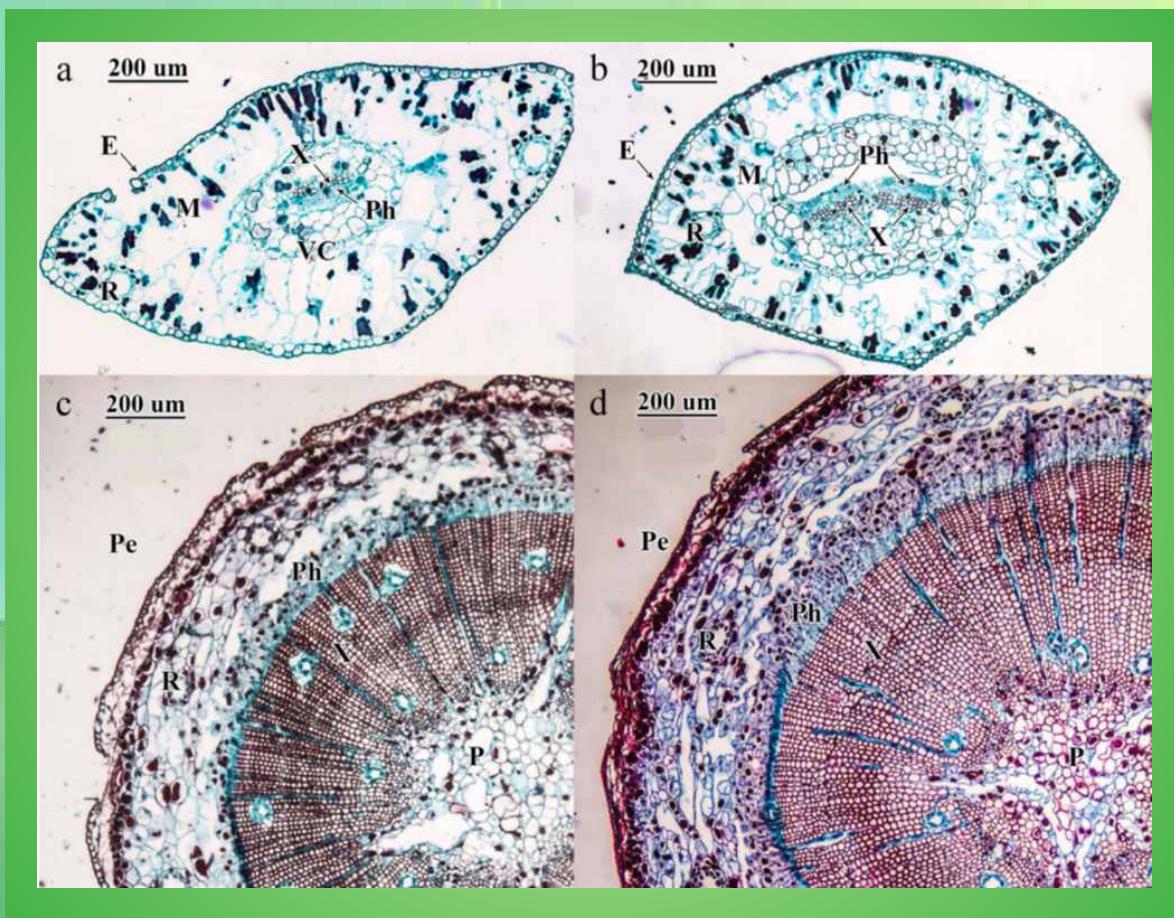


American Journal of Plant Sciences



Journal Editorial Board

ISSN: 2158-2742 (Print) ISSN: 2158-2750 (Online)

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

Editor-in-Chief

Prof. Sukumar Saha US Department of Agriculture, USA

Editorial Board

Prof. Ibrokhim Y. Abdurakhmonov	Academy of Sciences of Uzbekistan, Uzbekistan
Prof. Ashok Ahuja	Indian Institute of Integrative Medicine, India
Prof. Mehmet Emin Aydin	Selcuk University, Turkey
Prof. Ramesh Buyyrapu	Dow AgroSciences, USA
Dr. Salah El-Sayed El-Hendawy	Suez Canal University, Egypt
Prof. Kunshan Gao	Xiamen University, China
Prof. Li-Zhi Gao	Chinese Academy of Sciences, China
Prof. Melaku A. Gedil	International Institute of Tropical Agriculture, Ethiopia
Dr. Jiahuai Hu	University of Florida, USA
Dr. S. Ahmed John	Jamal Mohamed College (Autonomous), India
Dr. Nirmal Joshee	Fort Valley State University, USA
Dr. Chandra Prakash Kala	Indian Institute of Forest Management, India
Dr. Mehmet Karaca	Akdeniz University, Turkey
Prof. Kyoung-Woong Kim	Gwangju Institute of Science and Technology, South Korea
Prof. Stanislav Kopriva	John Innes Institute, UK
Dr. Süleyman Korkut	Duzce University, Turkey
Dr. Vikas Kumar	Banaras Hindu University, India
Prof. Din-Pow Ma	Mississippi State University, USA
Dr. Asim Masood	Aligarh Muslim University, India
Prof. Amitava Mitra	University of Nebraska, USA
Dr. Adele Maria Muscolo	University Mediterranea di Reggio Calabria, Italy
Prof. P. K. Nagar	Institute of Himalayan Bioresource Technology, India
Prof. Maria Papafotiou	Agricultural University of Athens, Greece
Prof. Antonios Philippoussis	National Agricultural Research Foundation, Greece
Dr. Oscar J. Rocha	Kent State University, USA
Dr. Hamidou F. Sakhanokho	USDA-ARS, Thad Cochran Southern Horticultural Laboratory, USA
Prof. R. R. Sharma	Indian Agricultural Research Institute, India
Prof. Toshiyuki Shibata	Mie University, Japan
Prof. Gopal Shankar Singh	Banaras Hindu University, India
Prof. Rajbir Singh	Directorate of Water Management, India
Dr. Sylvia Urban	RMIT University, Australia
Dr. Kailas Wasewar	Visvesvaraya National Institute of Technology, India
Prof. John Z. Yu	US Department of Agriculture, USA
Prof. Tianzhen Zhang	Nanjing Agricultural University, China
Prof. Wenjun Zhang	Sun Yat-sen University, China
Prof. Zhiqiang Zhou	China Agricultural University, China
Prof. Munir Hussain Zia	US Department of Agriculture, USA

Table of Contents

Volume 7 Number 8

June 2016

Effect of Indoor and Underground Storage on Efficient Vegetative Propagation of Dwarf Napier Grass (*Pennisetum purpureum* Schumach)

Y. Iki, Y. Ishii, S. Fukagawa, S. Idota.....1173

Reproductive Development of *Lotus tenuis* (Fabaceae)

Crop Defoliated at Different Times and Intensities

O. R. Vignolio, G. S. Cambareri, L. R. Petigrosso, N. Murillo, N. O. Maceira.....1180

Wood Density of Ten Native Trees and Shrubs and Its Possible Relation with a Few Wood Chemical Compositions

R. Maiti, H. G. Rodriguez, A. Kumari.....1192

Isolation and Characterization of Flavonols by HPLC-UV-ESI-MS/MS from *Talipariti elatum* S.w

J. G. Yaque, A. Cuéllar, L. Massi, M. Monan, E. Nossin, F. François-Haugrin.....1198

Changes in Gene Expression in Needles and Stems of *Pinus radiata* Rootstock Plants of Different Ontogenetic Age

C. Alvarez, L. Valledor, P. Sáez, R. Hasbún, M. Sánchez-Olate, M. J. Cañal, D. Ríos.....1205

Response of Four Dry Bean Market Classes to Pre-Emergence Applications of Pyroxasulfone, Sulfentrazone and Pyroxasulfone plus Sulfentrazone

A. N. Taziar, N. Soltani, C. Shropshire, D. E. Robinson, M. Long, C. L. Gillard, P. H. Sikkema.....1217

Effects of Cutting Interval between Harvests on Dry Matter Yield and Nutritive Value in Alfalfa

D. Min.....1226

Thin Cell Layer (TCL) Culture System for Herbal Biomass Production and Genetic Transformation of *Bacopa monnieri* L. Wettst.

L. A. Croom, C. L. Jackson, B. N. Vaidya, P. Parajuli, N. Joshee.....1232

Growth and Yield of Guar (*Cyamopsis tetragonoloba* L.) Genotypes under Different Planting Dates in the Semi-Arid Southern High Plains

S. Singla, K. Grover, S. V. Angadi, S. H. Begna, B. Schutte, D. Van Leeuwen.....1246

Phytoremediation Potential of Three Species of Macrophytes for Nitrate in Contaminated Water

K. Li, L. L. Liu, H. X. Yang, C. H. Zhang, H. C. Xie, C. R. Li.....1259

Interspecific Crossing between Yam Species (*Dioscorea rotundata* and *Dioscorea bulbifera*) through *in Vitro* Ovule Culture

H. Saini, Y. Kashihara, A. Lopez-Montes, R. Asiedu.....1268

Detection and Adaptation in Parasitic Angiosperm Host Selection

L. Z. Liang, Y. Liu, J. Jariwala, D. G. Lynn, A. G. Palmer.....1275

Effects of the Orientation of the Mountainside, Altitude and Varieties on the Quality of the Coffee Beverage from the “Matas de Minas” Region, Brazilian Southeast

W. P. M. Ferreira, D. M. Queiroz, S. A. Silvac, R. S. Tomaz, P. C. Corrêa.....1291

Soil Characteristics Influence the Selection of Dominant Plant Genotypes Inhabiting Wadi Sudr, Egypt

E. A. El Sherbeny, A. A. Morsy, M. Magdy.....1304

American Journal of Plant Sciences (AJPS)

Journal Information

SUBSCRIPTIONS

The *American Journal of Plant Sciences* (Online at Scientific Research Publishing, www.Scirp.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 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 © 2016 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 © 2016 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: ajps@scirp.org

Call for Papers



American Journal of Plant Sciences

ISSN: 2158-2742 (Print) ISSN: 2158-2750 (Online)

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

American Journal of Plant Sciences (AJPS) is a peer reviewed international journal dedicated to the latest advancement in related areas. The goal of this journal is to keep a record of the state-of-the-art research and to promote study, research and improvement within its various specialties.

Editor-in-Chief

Prof. Sukumar Saha

US Department of Agriculture, USA

Subject Coverage

This journal invites original research and review papers that address the following issues. Topics of interest include, but are not limited to:

- Agricultural Botany
- Agronomy
- Bryology
- Dendrochronology
- Economic Botany
- Ethnobotany
- Forestry
- Horticulture
- Integrated Pest Management and Integrated Resistant Management
- Lichenology
- Medicinal Plants
- Paleobotany
- Palynology
- Phycology
- Phylogenetics and Evolution
- Phytochemistry
- Phytopathology
- Plant Anatomy
- Plant Based Biofuels and Bioenergy
- Plant Biotechnology and Tissue Culture
- Plant Breeding
- Plant Cytogenetics and Cytology
- Plant Ecology
- Plant Genetic Resources and Databases
- Plant Genetics
- Plant Genomes, Bioinformatics and Genomics
- Plant Host-Pathogen Interactions
- Plant Molecular Biology and Evolution
- Plant Morphology
- Plant Nutrition
- Plant Physiology
- Plant Polyploidy
- Plant Protection
- Plant Proteomics and Metabolomics
- Plant Systematics
- Transgenic Crops and Their Products

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of **AJPS**.

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/ajps>

E-mail: ajps@scirp.org