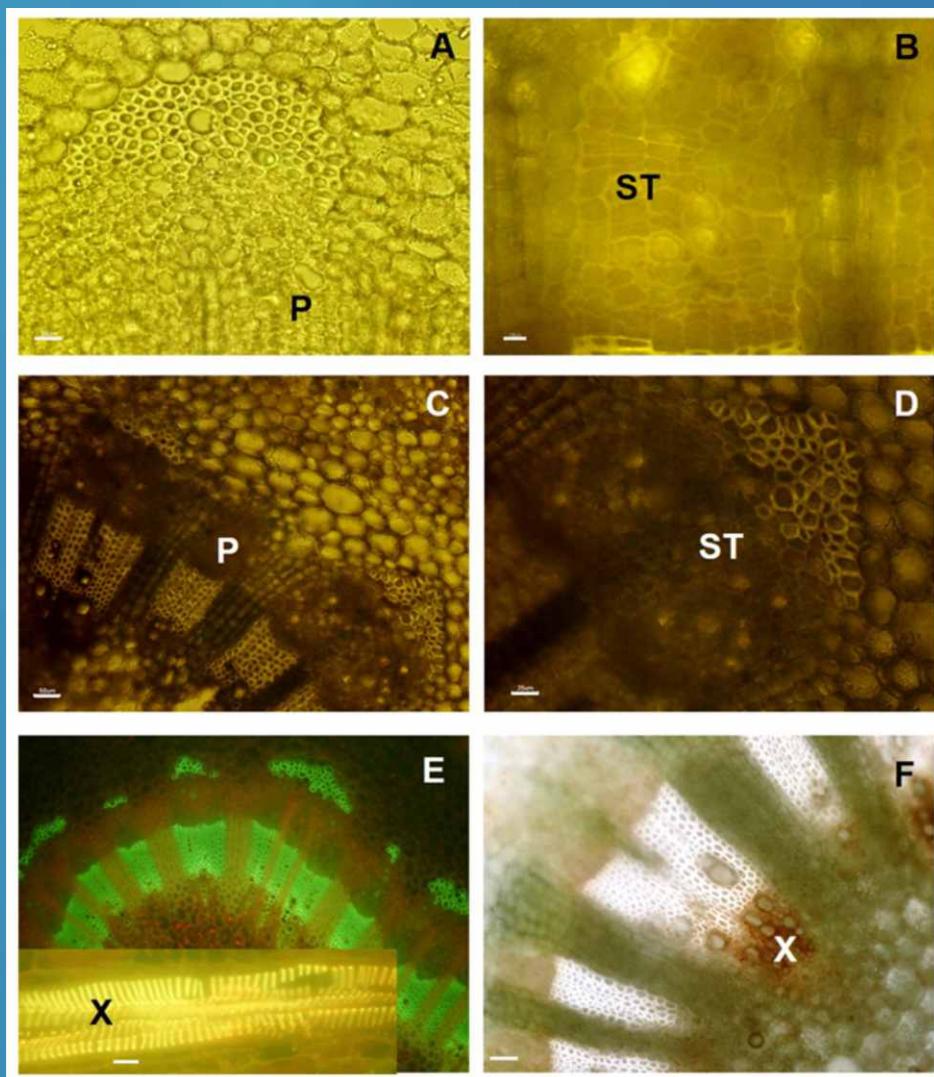


American Journal of Plant Sciences



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. 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 1

January 2016

Agrobacterium tumefaciens*-Mediated Transformation of Wild Tobacco Species *Nicotiana debneyi*, *Nicotiana clevelandii*, and *Nicotiana glutinosa

- W. Duan, L. S. Wang, G. Q. Song.....1

Growth and Production of Crambe Submitted to Doses of Nitrogen and Potassium

- R. S. de Souza, L. H. G. Chaves, J. D. Fernandes, A. C. F. de Vasconcelos.....8

The Dynamics of Relation Oat Panicle with Grain Yield by Nitrogen

- R. D. Mantai, J. A. G. da Silva, E. G. Arenhardt, A. T. Z. R. Sausen, M. O. Binello, V. Bianchi,
D. R. da Silva, L. M. Bandeira.....17

Floristic Composition and Change in Species Diversity over Long Temporal Scales in Upper Bhotekoshi Hydropower Project Area in Nepal

- R. P. Bhatt, S. Bhatt.....28

Physico-Chemical Properties of Compost Based Waste-Recycling of Grape Fruit as Nursery Growing Medium

- M. E. El-Mahrouk, Y. H. Dewir.....48

Quantitative Estimation of γ -Glutamylethylamide in Commercially Available Made Teas [*Camellia sinensis* (L.) O. Kuntze, Theaceae] in Kenya

- J. Too, J. Wanyoko, T. Kinyanjui, K. Moseti, F. Wachira.....55

Influence of Herbicide Carrier on the Tolerance of White Bean to Preplant Incorporated and Preemergence Herbicides

- N. Soltani, C. Shropshire, P. H. Sikkema.....63

Protein and Phenolic Contents and Antioxidant Activities of 14 Early Maturing Potatoes as Affected by Processing

- R. G. Pinhero, R. Tsao, Q. Liu, J. A. Sullivan, B. Bizimungu, R. Y. Yada.....69

Erratum to “Census Ethnobotanical Study of Some Plants Used in Traditional Medicine in the City of Meknes” [American Journal of Plant Sciences 5 (2014) 2480-2496]

- F. Moussaoui, T. Alaoui, S. Aoudry.....82

Improvement of Phenols Production by Amino Acids in Callus Cultures of *Verbascum thapsus* L.

- A. M. J. Al-Jibouri, A. S. Abed, A.-J. A. Ali, D. M. Majeed.....84

Antimicrobial Activity of a Cys-Rich Peptide Derived from a *Centrosema virginianum* Vicilin

- Z. Y. Xie, N. Saha, C. Chlan.....92

Systematic Importance of Leaf Anatomical Characters in Some Species of *Microcos* Linn. Section *Eumicrocos* Burret. in Nigeria

- E. O. Shokefun, A. E. Ayodele, A. J. Akinloye.....108

Evaluation of the Antifungal Activity of Aqueous and Alcoholic Extracts of Six Spices

M. Ikegbunam, M. Ukamaka, O. Emmanuel.....118

**Association Analysis of SP-SNPs and Avirulence Genes in *Puccinia striiformis* f. sp. *tritici*,
the Wheat Stripe Rust Pathogen**

C. J. Xia, M. N. Wang, A. M. Wan, D. A. Jiwan, D. R. See, X. M. Chen.....126

**The Toxicity, Persistence and Mode of Actions of Selected Botanical Pesticides in Africa
against Insect Pests in Common Beans, *P. vulgaris*: A Review**

N. Mpumi, K. Mtei, R. Machunda, P. A. Ndakidemi.....138

Endophytic Fungi Associated with a Holoparasitic Plant, *Balanophora japonica* (Balanophoraceae)

H. Ikeda, T. Fukuda, J. Yokoyama.....152

**Phytochemical Determination and Antibacterial Activity of *Punica granatum* Peel Extracts
against Plant Pathogenic Bacteria**

A. I. Khaleel, K. Sijam, T. S. Rashid, K. B. Ahmad.....159

**Distribution and Phylogeography of *Caryopteris incana* (Lamiaceae) Based on
Chloroplast DNA Sequences in West Kyushu, Japan**

M. Ando, K. Kuwabara, K. Matsubara, H. Watanabe.....167

**Novel Techniques for Gene Delivery into Plants and Its Applications for
Disease Resistance in Crops**

A. Hama A. Rashid, D. D. Lateef.....181

**Nutritional Aspects of Grape (*Vitis vinifera* L.) Clusters Afflicted with SOUR Shriveled
Is Related to Functionality of Its Vascular Tissues**

B. Bondada.....194

Effects of Planting Date on Winter Canola Growth and Yield in the Southwestern U.S.

S. H. Begna, S. V. Angadi.....201

**Assessment of Genetic Diversity of NIFOR Oil Palm Main Breeding Parent Genotypes
Using Microsatellite Markers**

M. N. Okoye, M. I. Uguru, C. Bakoum  , R. Singh, C. O. Okwuagwu.....218

Validation of a Technique for Estimating Alfalfa (*Medicago sativa*) Biomass from Canopy Volume

C. G. Misar, L. Xu, A. Boe, R. N. Gates, P. S. Johnson, A. E. Olson.....238

Elevated Carbon Dioxide Level Suppresses Nutritional Quality of Lettuce and Spinach

A. Giri, B. Armstrong, C. B. Rajashekhar.....246

American Journal of Plant Sciences (AJPS)

Journal Information

SUBSCRIPTIONS

The *American Journal of Plant Sciences* (Online at Scientific Research Publishing, www.ScRP.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