

# Table of Contents

Volume 8 Number 7

June 2017

## Antimicrobial Activity of Essential Oil of *Zingiber officinale* Roscoe (Zingiberaceae)

E. I. C. López, M. F. H. Balcázar, J. M. R. Mendoza, A. D. R. Ortiz, M. T. O. Melo,  
R. S. Parrales, T. H. Delgado.....1151

## Expression Vector Construction and Genetic Transformation of *Paeonia lactiflora* Gibberellin 20-Oxidase Gene

L. L. Han, J. J. Li, J. Guo, Y. Ma, X. F. Guo.....1525

## Synergistic Effects of a Night Temperature Shift and Methyl Jasmonate on the Production of Anthocyanin in Red Leaf Lettuce

M. Sakamoto, T. Suzuki.....1534

## Cloning and Bioinformatics Analysis of *Rosa rugosa* S Locus F-Box Gene (*RrSLF*)

Y. Y. Wei, K. Li, S. T. Xing, D. D. Zhao, C. L. Fu, L. Y. Zhao, D. K. Zang, X. Y. Yu.....1550

## Chemical Composition, Antioxidant and Antimicrobial Activity of the Oil and Plant Extract *Myrocarpus frondosus* Allemão

I. I. de Santi, D. A. Gatto, M. R. G. Machado, P. S. B. dos Santos, R. A. Freitag.....1560

## Antimicrobial Activity of Wild Plant Seed Extracts against Human Bacterial and Plant Fungal Pathogens

V. I. Pushkareva, M. P. Slezina, T. V. Korostyleva, L. A. Shcherbakova, E. A. Istomina, S. A. Ermolaeva,  
O. A. Ogarkova, T. I. Odintsova.....1572

## Simulating Nitrogen and Irrigation Effects on Wheat Production in Bangladesh under Changing Climate

R. Sen, A. K. Choudhury, S. Akhter, S. Ishtiaque, M. A. H. S. Jahan, F. Ahmed, J. C. Biswas,  
M. Maniruzzaman, M. M. U. Miah, M. M. Rahman, N. Kalra, M. A. Aziz, A. S. M. M. R. Khan.....1593

## Health-Benefit Assets of Different Indian Processed Teas: A Comparative Approach

A. Hazra, J. Saha, N. Dasgupta, C. Sengupta, P. M. Kumar, S. Das.....1607

## Genome-Wide SNPs Identification and Determination of Proteins Associated with Stress Response in Sorghum (*Sorghum bicolor* L. Monech) Accessions

H. E. Fadoul, M. A. El Siddig, A. W. H. Abdalla, A. A. El Hussein.....1624

**Calibration and Validation of Decision Support System for Agro-Technology Transfer Model for Simulating Growth and Yield of Maize in Bangladesh**

F. Ahmed, A. K. Choudhury, S. Akhter, M. A. Aziz, J. C. Biswas, M. Maniruzzaman, M. M. U. Miah, M. M. Rahman, M. A. H. S. Jahan, I. M. Ahmed, R. Sen, S. Ishtiaque, A. F. M. T. Islam, M. M. Haque, M. B. Hossain, N. Kalra, M. H. Rahman.....1632

**Management of White Root Rot Disease (Fomes) in *Hevea brasiliensis* Plantations in Cameroon**

M. G. Nam, N. S. Wawa, E. E. Ejolle, N. J. Nkengafac.....1646

**Attributes of Naturally Fallen (Rained) *Melaleuca quinquenervia* Seeds in Two Habitat Types of South Florida Wetlands**

M. B. Rayamajhi, P. D. Pratt, P. W. Tipping, J. G. Leidi, F. A. Dray Jr., P. T. Madeira, T. D. Center.....1659

**RGxE: An R Program for Genotype x Environment Interaction Analysis**

M. Dia, T. C. Wehner, C. Arellano.....1672

***In Vitro* Bioassay of Allelopathy in Four Bamboo Species; *Bambusa multiplex*, *Phyllostachys bambusoides*, *P. nigra*, *Sasa kurilensis*, Using Sandwich Method and Protoplast Co-Culture Method with Digital Image Analysis**

S. Ogita, H. Sasamoto.....1699

**Response of Yield and Related Attributes of Upland Cotton to Weather Variables**

K. Ullah, M. I. Khan, Z. Mahmood, T. Iqbal, S. Muhammad, H. A. Haq, A. Ahmad, S. Hussain.....1711

**Temporal and Spatial Factors Affecting the Nature of Genotype x Environment Interaction in Sugarcane (*Saccharum officinarum* L.) under Ethiopian Agro-Climatic Conditions: An Integrated Approach**

M. Ftwi, F. Mekbib, E. Abraha.....1721