Contents

International Journal of Agriculture, Environment and Biotechnology

Vol. 11, No. 2, April 2018

ENVIRONMENTAL SCIENCE

Biodegradation of Petroleum Hydrocarbon Contaminated Wastes: A Review

Bibha Rani

Assessment of the Ambient Air Quality at the Industrial Area using the Air Quality Index Method (AQI)

Priyanka Agarwal and Uma Melkania

Simultaneous Removal of Hazardous Contaminants Using Polyvinyl Alcohol Coated Phanerochaete chrysosporium

Darsh Shah, Darshan M. Rudakiya, Vignesh Iyer and Akshaya Gupte

BIOTECHNOLOGY

Expression of MYB Transcription Factor Genes in Response to Methyl Jasmonate, Salicylic Acid and Sodium Nitroprusside in Selaginella bryopteris (L.) Baker

Anjani Kumar, Ravi S. Singh, Ujjwal Kumar, Kumari Rekha, Dharmsheela Thakur, Awadhesh K. Pal and Prabhash K. Singh

SOIL SCIENCE

Performance of Improved Sulphur Formulations on Growth, Yield, and Nutrient Uptake of Rice in an Inceptisol of Uttar Pradesh

M. Bhudevi, Deepranjan Sarkar, Amitava Rakshit and Shantanu Kar

Effects of Mulching on Soil Properties and Post Harvest Quality of Mango Cv. Himsagar Grown in New Alluvial Zone of West Bengal

Kaushik Das and Pallab Dutta

Temporal Dynamics of Leaf Litter Components during Decomposition of an Aromatic Shrub Cistus Monspeliensis L.

Venkata SSR Marella

Impact of Fly Ash on Soil Properties and Productivity

R.B Panda and T. Biswal
HORTICULTURE

Growth Performance of *Ipomoea pes-caprae* (L.) R. Br. Cuttings in different Media Combinations 285

*Amruta S. Shinde and Niranjana S. Chavan*

Techniques for Breaking Seed Dormancy and its Efficacy on Seed Germination of Six Important Medicinal Plant Species 293

*Raj Kumar Singh Tiwari, K.K. Chandra and Satish Dubey*

Current Health Status of Potato Crop in different Altitude Regions of Ladakh, Jammu and Kashmir, India 303

*Manisha Phour, Narendra Singh, Anjali Ghai, Suman Tiga and Tsewang Rinchen*

Effect of Various Mulching Materials on Crop Production and Soil Health in Acid Lime (*Citrus aurantifolia* Swingle) 311

*Esther Lalruatsangi and B.N. Hazarika*

Evaluation of Essential and Toxic Metals in Selected Underutilized Fruits of Agasthyamala Biosphere Reserve, Kerala 319

*Jisha Chand, A.R. and Azeez, K.*

Response of Capsicum (*Capsicum annuum* L. Var. *Grossum*) to Different Levels of Spacing and Training Systems under foot hills of Arunachal Pradesh 327

*Salsara S. Sangma, Ashok Kumar, B., Rishi Longdo, Alice Kayla, Lakidon Khonglah, and S.D. Warade*

GENETICS & PLANT BREEDING

Ratooning and Combining Ability Analysis through Line × Tester Mating Design in Interspecific Cotton Hybrids (*G. hirsutum* × *G. barbadense*) 333

*Majjiga Komala, N. Meenakshi Ganesan and M. Kumar*

Status of *Magnaporthe oryzae* Infection in different Districts of Karnataka, India and Establishment of Monoconidial Cultures for Understanding Genetic Diversity 345

*D. Jagadeesh, M.K. Prasanna Kumar and N.S. Devaki*

AGRICULTURAL ECONOMICS

Price Forecasting of Mango in Lucknow Market of Uttar Pradesh 357

*Ravishankar Pardhi, Rakesh Singh and Ranjit Kumar Paul*

Resource Use Efficiency of Crops in North-Eastern Dry Zone of Karnataka 365

*G.V. Rohith, Jaganath Olekar, K.S. Rashmi and P.S. Dhananjaya Swamy*
An Economic Analysis of Garlic Cultivation in Ratlam District of Madhya Pradesh  
Pratap Kumar Patidar, N. Khan and Santosh Kumar  

MICROBIOLOGY  
Production and Optimization of an Alkaline Protease from Acinetobacter variabilis Isolated from Soil Samples  
Krishna Ash, Sushma, Alok Milton Lall, K.P. Rao and Pramod W. Ramteke  

PLANT PHYSIOLOGY  
Salicylic Acid and Trichoderma Ameliorate Salt Stress Responses in Pea (Pisum sativum L.)  
Ajay Kumar Singh and Padmanabh Dwivedi  

ENTOMOLOGY  
Documentation of Indigenous Knowledge of Pest Control for Paddy Cultivation in Murshidabad District of West Bengal  
Ali Ahammad Taher Hasan and Sabuj Kumar Chaudhuri  

ANIMAL HUSBANDRY  
Prevalence of Clinical and Subclinical Mastitis in Buffaloes of Jammu Region  