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Updated 26th January, 2012 (ordered alphabetically, unless in press)

☀ **Bioremediation, Biodiversity and Bioavailability**

SPECIAL ISSUE: Induced mutagenesis in plants. ~ 2012

Dafedar H. Tejavathi, Kaivaram Gayathamma, Rajashekharaiyah Nijagunaiah (India) Genetic Variability by *in Vitro* Mutagenesis and Arbuscular Mycorrhizal Fungal Symbiosis among Micropropagated Plants of *Agave vera-cruz* Miller

Dibyendu Talukdar (India) An Induced Glutathione-deficient Mutant in Grass Pea (*Lathyrus sativus* L.): Modifications in Plant Morphology, Alterations in Antioxidant Activities and Increased Sensitivity to Cadmium

Avijet Chatterjee, Sudhir Shukla, Anu Rastogi, Brij K. Mishra, S. P. Singh (India) Induction of Variability and Selection of Elite Lines for Specific Alkaloids from a Population of Induced Mutagenesis in Opium Poppy (*Papaver somniferum* L.)

Asnake Fikre Woldemedhin (Ethiopia) Gamma Irradiation-Derived, Methionine-Enriched Mutant Lines of *Lathyrus sativus* L.

Mukesh Singh, Rajat Kanti Chowdhary, Ila Chowdhary (India) Assessment of Genetic Diversity among Elite Cultivars of *Ricinus communis* L. Using RAPD Markers for Plant Breeding

Oluwatosin Ebenezer Atobatele (Nigeria) Pelagic Phytoplankton Succession Pattern in a Tropical Freshwater Reservoir (Aiba Reservoir, Iwo, Osun, Nigeria)

☀ **Dynamic Biochemistry, Process Biotechnology and Molecular Biology**

SPECIAL ISSUE: Microbiology. Guest Editor: Chandicharan Rath (North Orissa University, India) 2012

Shewli Bhattacharya, Jnanendra Rath, Samit Ray (India) Composition, Basic Features and Distribution of Cyanobacteria in Soil Crusts – A Review

Ashok Kumar, Shamsheer Singh Kanwar (India) Lipase Production in Solid-State Fermentation (SSF): Recent Developments and Biotechnological Applications

Madan Lal Verma (India/Australia), Shamsheer Singh Kanwar (India) Harnessing the Potential of Thermophiles: The Variants of Extremophiles

Lata Kumari, Shamsheer Singh Kanwar (India) Cholesterol Oxidase: Role in Pathogenesis

Sanjay Kumar Ojha, Snehasish Mishra, Sarat Kumar Nayak, Mrutyunjay Suar (India) Molecular Biology and Biochemistry for Enhanced Biomethanation

Smita Lata, Smriti Shrivastava, Pratyosh Shukla (India) An Insight on Recent Advances on Immobilization Methods for Industrial Enzymes and its Relevance to Xylanases

Sarabjeet Singh Ahluwalia (India) Waste Biomaterials for Removal of Heavy Metals – An Overview

Santosh Kumar Sethi, Siba Prasad Adhikary (India) *Azotobacter*: A Plant Growth-Promoting Rhizobacteria Used as Biofertilizer in Organic Farming

Elsa Marric, Jyotirmayee Mohanta, Bharati Behera, Abhaya Kumar Dalai (India) Effect of Metal Ions on Biphasic Production of Thermostable Amylase by *Bacillus* sp. Isolated from a Local Hot Spring from Odisha, India

Sridevi Jagavati, Vimala Rodhe Adivikatla, Nirupama Paritala, Venkateswar Rao Linga (India) Cellulase Production by Co-Culture of *Trichoderma* sp. and *Aspergillus* sp. under Submerged Fermentation

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Sravanthi Koti, Sai Prashanti, Jahnvi Gentela, Srilekha Kothagauni, Sridevi Jagavati, Venkateswar Rao Linga (India) Optimization of Pretreatment of Wheat Straw using Alkali and Biphasic Acid Hydrolysis

C. U. Agbo, E. C. Okechukwu (Nigeria), Jaime A. Teixeira da Silva (Japan), E. I. Eze (Nigeria) *Gongronema latifolia* Clones: Genetic Effects on some Phytochemical Composition and Anti-microbial Activity against *Salmonella typhi*

Pushpita Mishra, Sriprakash Mohanty, Mrinal Samanta, Chandi Charan Rath (India) Reestablishment of Cellulase-Producing Bacteria in the Intestine of Grass Carp (*Ctenopharyngodon idella*)

Subhadip Mahapatra, Debdulal Banerjee (India) Production and Characterization of Thermal Acid Amylase from *Aspergillus aculeatus* DBF9

Sama Jagadish Kumar, Goli Jyosthna Khanna, Koppaka Nithya, Linga Venkateswar Rao (India) Production of Xylitol from Alkali Pre-Treated Corn Cobs Hydrolysate

Ashima Kapoor, Shraddha Sharma, Shveta Prakash (India) Optimization of Culture Conditions for the Production of Lipase from *Gliomastix indicus* and its Enzymatic Properties

Sridharan Jagadeeswari, Manickam Dakshinamoorthy Balakumaran, Padmanabhan Vidya, Pudupalayam Thangavelu Kalaichelvan, Kanesan Panneer Selvam (India) Utilization of Shrimp and Crab Wastes for the Production of N-Acetylglucosamine by Chitinolytic Soil *Streptomyces* sp. SJKP9

Chiliveri Swarupa Rani, Panda Smita Hasini, Linga Venkateswar Rao (India) Isolation and Screening of Polygalacturonase-Producing *Bacillus* sp.

Aparajita Majumder, Supradip Sarkar, Subhash Chandra Kole (India) Characterization of Efficient Arsenic-Removing Bacteria from *In-vitro* Conditions

SPECIAL ISSUE: Proceedings of Bio-energy from Wastes: Green Chemistry Interventions, 25-26 November, 2010, National Environmental Engineering Research Institute (NEERI)-CSIR, Dept. of Science & Technology, Govt. of India, Nehru Marg, Nagpur, India. Guest Editors: R. A. Pandey and B. K. Sarangi, Environmental Biotechnology Division, National Environmental Engineering Research Institute (NEERI), Nagpur, India ~ 2012

Hoysala N. Chanakya, Sreeshya Malayil (India) Techno-economic Potential for Value Added Products from Digestion of Urban Solid Wastes and Rural Residues

Dynamic Soil, Dynamic Plant

SPECIAL ISSUE: Vermitechnology III. Guest Editor: Natchimuthu Karmegam (Department of Botany, Government Arts College, Tamil Nadu, India) 2012

Takeshi Hirano, Kazuyoshi Tamae (Japan) The Utility of Earthworms as a Monitoring Organism for Soil Pollution

Mohammad Javad Zarea, Nasrin Karimi (Iran) Effect of Herbicides on Earthworms

Mira Grdisa (Croatia) Therapeutic Properties of Earthworms

Fernando De León-González, Mariela Fuentes Ponce, Fidel Payán-Zelaya (Mexico) Earthworms and Agricultural Systems Management: Emphasis on the Latin American Region

Leticia G. Rodríguez-Canché, Lina Cardoso-Vigueros (Mexico) Vermitechnology: Sustainable Practices in Mexico

Mark Maboeta, Leon van Rensburg (South Africa) Vermicomposting of Industrial Organic Wastes and its Application in Mine Rehabilitation Strategies – An Overview from a South African Perspective

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Muthukaruppan Gobi, Paramasamy Gunasekaran (India) Biomangement of Sugar Factory Pressmud through Vermitechnology for the Growth and Yield of a Pulse Crop, Black Gram (*Vigna mungo*)

Kaviraj Singh, Satyawati Sharma (India), Jaime A. Teixeira da Silva (Japan), Santosh Satya, Kalpana Arora (India) Vermicomposting of Municipal Solid Waste Employing *Eisenia fetida* together with *Penicillium* spp. and *Azotobacter* Bioinoculants

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M. Vikram Reddy, Swati Pattnaik, Sushree Sangeeta (India) Microarthropod Diversity Associated with Vermicomposting Process and Vermicompost of Urban Waste Processed by Three Earthworm Species

Subhani Rath, M. Vikram Reddy (India) Disposal of Municipal Solid Waste (MSW) of the Millennium City (Cuttack): Bioconversion to Nutrient Rich Vermicompost

Debajyoti Chakrabarty, Sanjib Kumar Das (India) Dissolution of Phosphorus from Rock Phosphate using Earthworms (*Eudrilus euginae*)

☀ **Food**

Chih-Cheng Lin, Lu-Te Chuang, Yuan-Chen Wang, Yan-Hong Tang, Jia-Shang Liao (Taiwan), Boakye Amoako-Atta (Ghana), Robert H. Glew, Robert S. Glew (USA) Polyphenol and Antioxidant Content of *Kigelia africana* Leaves from Ghana

Marina Christelle Nanouman Assouhoun, Théodore N'Nédé Djéni, Florent Kouadio N'Guessan, Marina Koussémon (Côte D'Ivoire) Preliminary Study on Antimicrobial Properties of Lactic Acid Bacteria Involved in the Fermentation of Corn Dough during *Doklu* Processing in Côte D'Ivoire

☀ **Fresh Produce**

☀ **Fruit, Vegetable and Cereal Science and Biotechnology**

☀ **Functional Plant Science and Biotechnology**

SPECIAL ISSUE: Sugarcane pathology. Guest Editors: A. Ramesh Sundar, Rasappa Viswanathan (Sugarcane Breeding Institute, Coimbatore, India) ~ 2012

Asha Dookun-Saumtally, Salem Saumtally, Nawshad Joomun (Mauritius) Biotechnological Applications to Sugarcane Pathogens

Sandy Snyman, Tania van Antwerpen, Sumita Ramgareeb, Sharon McFarlane (South Africa) Sugarcane Pathogens: Detection and Elimination through *in Vitro* Culture

Govind P. Rao, Smriti Mall (India), Carmine Marcone (Italy) Recent Biotechnological Approaches in Diagnosis and Management of Sugarcane Phytoplasma Diseases

Rasappa Viswanathan, Muthusamy Poongothai, Palaniyandi Malathi, Amalraj R. Sundar (India) Sugarcane Wilt: New Insights into the Pathogen Identity, Variability and Pathogenicity

Rasappa Viswanathan (India) Molecular Basis of Red Rot Resistance in Sugarcane

Durairaj Mohanraj, Purushotham Padmanaban, Rasappa Viswanathan (India) Screening for Red Rot Resistance in Sugarcane

Amalraj Ramesh Sundar, Nagarathinam Selvaraj, Muthumeena Muthiah, Ashwin Ramadass, Palaniyandi Malathi, Rasappa Viswanathan (India) Induced Resistance – A Potential Supplementary Strategy for the Management of Red Rot in Sugarcane

Porntip Wongkaew (Thailand) Sugarcane White Leaf Disease Characterization, Diagnosis Development, and Control Strategies

María Blanch, María-Estrella Legaz, Carlos Vicente (Spain) Structure and Biosynthesis of a Xanthan-like Polysaccharide Produced by *Xanthomonas albilineans*

Jean Heinrich Daugrois, Rosiane Boisne-Noc (Guadeloupe F.W.I.), Patrice Champoiseau (Guadeloupe F.W.I./USA), Philippe Rott (France) The Revisited Infection Cycle of *Xanthomonas albilineans*, the Causal Agent of Leaf Scald of Sugarcane

María Francisca Perera, María Paula Filippone, Aldo Sergio Noguera, María Inés Cuenya, Atilio Pedro Castagnaro (Argentina) An Overview of the Sugarcane Mosaic Disease in South America

Marcos Cesar Gonçalves, Luciana Rossini Pinto, Silvana Creste Souza, Marcos Guimarães A. Landell (Brazil) Virus Diseases of Sugarcane. A Constant Challenge to Sugarcane Breeding in Brazil

Trinh Xuan Hoat, Dang Vu Thi Thanh (Viet Nam), Matthew Dickinson (UK), Ngo Gia Bon, Mai Van Quan, Vu Duy Hien, Nguyen Duc Thanh, Le Thanh Thuy, Ngo Vinh Vien (Viet Nam) Disease Problems of Sugarcane in Vietnam, with Special Reference to Phytoplasma

Lilik Koesmihartono Putra, Tri Asmira Damayanti (Indonesia) Major Diseases Affecting Sugarcane Production in Indonesia

Heather McCafferty, Yun J. Zhu (USA) Transgenic Approach to Improve the Resistance of Sugarcane to *Sugarcane Yellow Leaf Virus* (SCYLV)

Ana Carolina Wanderley-Nogueira, Ederson Akio Kido, Nina da Mota Soares-Cavalcanti, Luis Carlos Belarmino, João Pacífico Bezerra-Neto, William Lee Burnquist, Sabrina Moutinho Chabregas, José Ivo Baldani, Ana Maria Benko-Iseppon (Brazil) Insight on Pathogen Defense Mechanisms in the Sugarcane Transcriptome

SPECIAL ISSUE 2: Protease inhibitors. Guest Editor: Raj Deepika (Forestry and Agricultural Biotechnology Institute (FABI), Department of Genetics, Faculty of Natural and Agricultural Sciences, University of Pretoria, South Africa) ~ 2012

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Vaijayanti A. Tamhane, Manasi Mishra, Neha S. Mahajan, Vidya S. Gupta, Ashok P. Giri (India) Plant Pin-II Family Proteinase Inhibitors: Structural and Functional Diversity

Tantravahi Srinivasan, P. B. Kirti (India) Protease Inhibitors and Stress Tolerance

Yaxi Liu, Jirui Wang (China) Molecular Evolution of Exogenous Alpha-amylase Inhibitors in Triticeae - An Update

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Tzi Bun Ng, Randy Chi Fai Cheung, Jack Ho Wong, Xiu Juan Ye (China) Isolation and Characterization of Protease Inhibitors from Animal Tissues

Marri Swathi, Soundappan S. Mohanraj, Chilka Srinivas, Elaprolu R. Prasad, Vantaku Venkatrao, Nalini Mallikarjuna, Aparna Dutta-Gupta, Kollipara Padmasree (India) *Cajanus cajan* (cv. C11): An Important Non-Host Resource for Proteinase Inhibitors Active against Larval Midgut Proteinases of Lepidopteran Insect Pest *Achaea janata*

✿ **Genes, Genomes and Genomics**

✿ **International Journal of Biomedical and Pharmaceutical Sciences**

✿ **International Journal of Plant Breeding**

Mejda Cherif, Dhekra Chaouachi, Wissal Fériani, Salah Rezgui (Tunisia) Resistance of Wild Barley (*Hordeum spontaneum*, *H. marinum* and *H. murinum*) to *Pyrenophora teres* and *Rhynchosporium secalis* causing Net Blotch and Scald Diseases in Tunisia

Solomon Ukaan, Peter Ogonna (Nigeria) Genetic Variability and Character Association in Sesame (*Sesamum indicum* L.) Accessions

✿ **International Journal of Plant Developmental Biology**

Vinay Kumar, Sudesh Kumar Yadav (India) Developmental Effect on Transcript Expression of Genes Encoding Enzymes for Flavan-3-ols Synthesis and its Content in Leaves and Flowers of Tea (*Camellia sinensis* (L.) O. Kuntze)

Mahendra Laxman Ahire, Pradip Pandit Patil, Tukaram Dayaram Nikam (India) Micropropagation and Assessment of Antibiotic Selection *in Vitro* of *Bacopa monnieri* (L.) Pennell

Shiwali Sharma, Anwar Shahzad (India), Mohd. Shahid (Kingdom of Bahrain/India), Noor Jahan (India) An Efficient *in Vitro* Production of Shoots from Shoot Tips and Antifungal Activity of *Spilanthes acmella* (L.) Murr.

Manohar Singh Rao, Anshul Goyal (India) High Frequency Rapid Clonal Propagation of *Andrographis paniculata* Using Cotyledonary Node Explants

XiaoNan Yu, HongJuan Wu, Tong Pan (China), Jaime A. Teixeira da Silva (Japan) Multiple Shoot and Callus Induction of Herbaceous Peony (*Paeonia lactiflora* Pall.)

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Khalid A. Khalid (Egypt), Jaime A. Teixeira da Silva (Japan) Biology of *Calendula officinalis* Linn.: Focus on Pharmacology, Biological Activities and Agronomic Practices

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Esther A. Adesegun, Oyeboade S. Adebayo, Aderonke K. Akintokun (Nigeria) Effect of *Ocimum gratissimum* and *Cymbopogon citratus* Extracts on *Sclerotium rolfsii* Sacc of Tomato (*Lycopersicon esculentum* Mill.)

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Samuel O. Owolade, Gbenga S. Akinwumi (Nigeria) Estimation of Proximate and Phytochemical Constituents of *Lactuca taraxacifolia* (Wild Lettuce)

SPECIAL ISSUE: Mineral Nutrition of Medicinal and Aromatic Plants. Guest Editors: M. Naeem, M. Masroor A. Khan, Moinuddin (Aligarh Muslim University) 2012

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M. Naeem, M. Masroor A. Khan, Moinuddin (India) Role of Mineral Nutrients in Cultivation of Medicinal Legumes

Remigius Chizzola (Austria) Metallic Mineral Elements and Heavy Metals in Medicinal Plants

Dragoja Radanović, Svetlana Antić-Mladenović (Serbia) Uptake, Accumulation and Distribution of Potentially Toxic Trace Elements in Medicinal and Aromatic Plants

Moinuddin, M. Masroor A. Khan, M. Naeem (India) Drought Stress Effects on Medicinal and Aromatic Plants and the Possible Stress Amelioration by Mineral Nutrition

M. Masroor A. Khan, M. Naeem, Firoz Mohammad, Moinuddin (India) Establishment of Mineral Nutritional Requirement for Some Important Medicinal and Aromatic Plants in Indian Climate

Jaime A. Teixeira da Silva (Japan), M. Naeem, Mohd. Idrees (India) Beneficial and Toxic Effects of Nickel in Relation to Medicinal and Aromatic Plants

Kamel Msaada, Karim Hosni, Mouna Ben Taarit, Mohamed Hammami, Brahim Marzouk (Tunisia) Effects of Crop Season and Maturity Stage on the Yield and Composition of Essential Oil of Coriander (*Coriandrum sativum* L.) Fruit

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Khalid A. Khalid (Egypt) Effect of Phosphorous Fertilization on Anise, Coriander and Sweet Fennel Plants Growing under Arid Region Conditions

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SPECIAL ISSUE: Potato pathology. Guest Editor: Mejda Daami-Remadi (Centre Régional des Recherches en Horticulture et Agriculture Biologique, Chott-Mariem, Tunisia), 2012

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Mejda Daami-Remadi (Tunisia) Potato Fusarium Dry Rot in Tunisia: Current Status and Future Prospects

Kalthoum Harbaoui (Tunisia), Theo van der Lee (The Netherlands), Walid Hamada (Tunisia) Characterization of the Potato Late Blight Pathogen *Phytophthora infestans* in Tunisia

Pablo L. Cicore, Patricia A. Suarez, Adriana B. Andreu (Argentina) Phosphites Effect on Late Blight Control and Physiological Parameters in Commercial Potato (*Solanum tuberosum* L.) in Argentina

Mejda Daami-Remadi, Inès Dkhili, Hayfa Jabnoun-Khiareddine, Mohamed El Mahjoub (Tunisia) Biological Control of Potato Leak with Antagonistic Fungi Isolated from Compost Teas and Solarized and Non-Solarized Soils

Boutheina Mejdoub-Trabelsi, Hayfa Jabnoun-Khiareddine, Mejda Daami-Remadi (Tunisia) Effect of *Fusarium* Species and Temperature of Storage on the Susceptibility Ranking of Potato Cultivars to Tuber Dry Rot

Mejda Daami-Remadi, Rafik Bouallègue, Hayfa Jabnoun-Khiareddine, Mohamed El Mahjoub (Tunisia) Effect of the Level of Seed Tuber Infection by *Colletotrichum coccodes* at Planting on Potato Growth, Black Dot Severity and Subsequent Yield Reduction

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V. Prathap Reddy, N. Narasimha Rao, P. S. Vimala Devi, M. Lakshmi Narasu, V. Dinesh Kumar (India) PCR-Based Detection of *cry* Genes in Local *Bacillus thuringiensis* DOR Bt-1 Isolate

🌱 Plant Stress

Mohd Mazid, Taqi Ahmed Khan, Firoz Mohammad (India), Jaime A. Teixeira da Silva (Japan), Mohd Nasir Khan (Saudi Arabia) Role of Hydrogen Peroxide in Tolerance to Abiotic Stress in Plants

🌱 Seed Science and Biotechnology

🌱 Terrestrial and Aquatic Environmental Toxicology

Yones Khaledian, Sohaila Ebrahimi, Hamed Bag Mohamadi (Iran) Effects of Urbanization and Changes Land Use on Water Geochemical Properties. A Case Study: Gharaso River in Golestan Province, North of Iran

Sonia Sharma, Adarsh Pal Vig (India) Genotoxicity of Atrazine, Avenoxan, Diuron and Quizalofop-P-ethyl Herbicides using the *Allium cepa* Root Chromosomal Aberration Assay

Raj Kumar Salar, Jitender Kumar, Suresh Kumar (India) Isolation and Evaluation of Fungal Strains from Textile Effluent Disposal Sites for Decolorization of Various Azo Dyes

Natarajan Hemalatha, Othumbam Kat Remadevi, Chandrasekaran Ramanigopal (India) Influence of Tannin in Soil

Adjacent to *Acacia nilotica* (L.) Willd. ex Del. on Microbial Population

Sanjeev K. Singh, Asha A. Juwarkar (India), Ackmez Mudhoo (Mauritius), Kirti V. Dubey (India) Remediation of Chromium-Contaminated Soils Using *Pseudomonas aeruginosa* Strain BS2

Neha Sharma, Gurjinder Singh Hundal, Indu Sharma, Renu Bhardwaj (India) Effect of 24-Epibrassinolide on Protein Content and Activities of Glutathione-S-Transferase and Polyphenol Oxidase in *Raphanus sativus* L. Plants under Cadmium and Mercury Metal Stress

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Cyprian Y. Abasi, Augustine A. Abia, Jude C. Igwe (Nigeria) Sorption Kinetics and Intraparticle Diffusivities of Pb (II), Fe (III) and Cd (II) ions on Unmodified Raphia Palm Fruit (*Raphia hookeri*) Endocarp

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