

DIRECTORY OF POSTER PRESENTATIONS

- 44 **Salinity Tolerance in Pepper in the Sundarban Region of West Bengal, INDIA** - Chandan Kumar Mondal, Uttam Saha and **Pinaki Acharyya**, Department of Horticulture, Institute of Agricultural Science, University of Calcutta, India
- 43 **Variability, Genetic Advance and Characters Association Study in Chilli (*Capsicum annum* L.)** - **P.S. Ajjappalavara**¹, V.M. Ganiger², M.B. Madalgeri², I.B. Biradar² and R.K. Mesta¹, ¹Horticulture Research Station, Haveri (Devihosur)- Karnataka, India; ²College of Horticulture, Bagalkot, Karnataka, India; University of Horticultural Sciences, Bagakot
- 1 **Managing Key Pepper Pests with Tolfenpyrad Insecticide** - **B. Balogh**¹ and J.C. Adams², ¹Nichino America, Inc., Apollo Beach FL; ²Nichino America, Inc., Wilmington, DE
- 5 **Genotypic Response Of Five Chili (Bell Pepper) Genotypes Towards Seed Biopriming and its Seed Production Potential** - **A.K. Basu** and Anuj Rai, Department of Seed Science & Technology, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, W.B., INDIA
- 12 **Bio-inputs: A Clean Alternative for Bolivian Chili Export** - **C. Bejarano Martínez**¹, H. Equis¹, C. Mayan¹, J. Matthias², M. van Zonneveld², and K. Amaya², ¹Fundación PROINPA, Sucre, Bolivia; ²Bioversity International, Regional Office for the Americas, Cali, Colombia
- 39 **Physiological Responses of Grafted Pepper (*Capsicum* spp.) Plants to Water Stress** - **A. Calatayud**¹, C. Penella¹, S.G. Nebauer², A. San Bautista² and S. López-Galarza², ¹Departamento Horticultura, Instituto Valenciano de Investigaciones Agrarias (IVIA), Valencia, Spain; ²Departamento Producción Vegetal, Universitat Politècnica València, Valencia, Spain
- 6 **Green Pesticides for the management of Chili (Bell Pepper) Pests** - **M.L. Chatterjee**, Department of Agricultural Entomology, Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India
- 9 **'New NMSU Ornamental Chile Pepper Varieties Add Color to the Holidays'** - Paul W. Bosland¹ and **Danise Coon**², ^{1,2}Department of Plant and Environmental Sciences, New Mexico State University, Las Cruces, NM
- 10 **'Trinidad Moruga Scorpion is the World's Hottest Chile Pepper at 2 Million Scoville Heat Units'** - Paul W. Bosland¹, **Danise Coon**² and Greg Reeves³, ^{1,2,3}Department of Plant and Environmental Sciences, New Mexico State University, Las Cruces, NM
- 7 **Occurrence of Resistance Breaking Strain of *Tomato Spotted Wilt Virus* on Resistant Pepper Cultivars in Hungary** - **G. Csilléry**¹, A. Almási² and I. Tóbiás², ¹Budakert Ltd., ²Plant Protection Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary
- 13 **Chile Pepper Juice Supports the Growth of *Salmonella* Typhimurium and *Escherichia coli* O157:H7** - Jorge A. Beall¹, Ruben Zapata¹, and **Willis M. Fedio**¹, ¹Food Safety Laboratory, New Mexico State University, Las Cruces, NM
- 14 **Enumeration, Isolation and Characterization of Lactic Acid Bacteria from Fermented Chile Pepper (*Capsicum annum* cv. *Mesilla Cayenne*) Mash** - J.A. Beall¹, N.C. Flores² and **W.M. Fedio**¹, ¹Food Safety Laboratory, New Mexico State University, Las Cruces, NM; ²Extension Home Economics, New Mexico State University, Las Cruces, NM
- 15 **Microbiological Safety of Flame Roasted New Mexico Green Chile Peppers** - Paul Browning¹, Ruben Zapata¹, Jorge Beall¹, David Lucero², and Willis M. Fedio¹, ¹New Mexico State University, Food Safety Laboratory, Las Cruces, NM; ²New Mexico Department of Agriculture, Marketing and Development Division, Las Cruces, NM
- 16 **Real-Time PCR for Detection of Shiga Toxin Producing *Escherichia coli* (STEC) in Dried Red Chile** - **W.M. Fedio**, P.E. Browning and R. Zapata, New Mexico State University, Food Safety Laboratory, Las Cruces, NM
- 2 **Conservation Biological Control Program for Western Flower Thrips in Pepper** - Stuart Reitz¹, **Joe Funderburk**², and Gene McAvoy³, ¹Center for Medical, Agricultural and Veterinary Entomology, Agricultural Research Service, USDA, 6383 Mahan Dr., Tallahassee, FL; ²North Florida Research and Education Center, University of Florida, Quincy, FL; ³University of Florida Hendry County Extension, LaBelle, FL

- 47 **Fertigation and Foliar Fertility on Nutrient Status and Yield of Bell Pepper *Capsicum annuum* L. - Christopher C. Gunter¹**, Christopher J. Biai¹, Jose G. Garzon¹, Jonathan R. Schultheis¹, Ronald J. Gehl²,
¹Department of Horticultural Science, North Carolina State University, Raleigh, NC, ²Department of Soil Science, North Carolina State University, Mills River, NC
- 11 **Research-based Online Chile Pepper (*Capsicum* spp.) Resources for Master Gardeners - W.V. Hamilton¹**, ¹Cooperative Extension Service, New Mexico State University, Las Cruces, NM
- 40 **Current Studies on Management of Pepper Yellow Leaf Curl Disease in Indonesia - Sri Hendrastuti Hidayat**, Purnama Hidayat, Bagus Kukuh Udiarto, Department of Plant Protection, Faculty of Agriculture, Bogor Agricultural University, Bogor, Indonesia
- 42 **Evaluation of Hot Peppers for Antioxidant Quality under Different Storage Conditions - Qumer Iqbal¹**, Muhammad Amjad¹ and Muhammad Rafique Asi², ¹Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan; ²Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad, Pakistan
- 18 **Potassium Fertilization Effects on Jalapeño Pepper Yield and Quality - J.L. Jifon¹**, K. Crosby², D.I. Leskovar³, G.E. Lester⁴, ¹Texas AgriLife Research, VFIC, Department of Horticultural Sciences, Texas A&M System, Weslaco, TX; ²College Station, TX, ³Uvalde, TX; ⁴USDA-ARS Beltsville, MD
- 30 **Evaluating Chili Pepper Cultivars in Central Missouri - S. Kirk** and S. Gu, Cooperative Extension and Research, Lincoln University, Jefferson City, MO
- 4 **Red Bell Pepper Cultivar Evaluations for the Summer and Fall Markets - Wesley L. Kline¹** and C. Andrew Wyenandt², ¹Rutgers Cooperative Extension of Cumberland County, ²Rutgers Agricultural Research and Extension Center, Millville, NJ
- 41 **Cytomorphological and Seed Protein Profiles of F₁ Hybrid between *C.annuum* L and *C.frutescens* L. - V. Rattan Kumar¹**, S. Subba Tata¹ and O. Aniel Kumar¹, Department of Botany, Andhra University, Visakhapatnam, Andhra Pradesh, India
- 19 **Developing an IPM Strategy for Tomato Spotted Wilt Virus in California - Michelle Le Strange¹**, R. Gilbertson², O. Batuman², N. McRoberts², D. Ullman², T. Turini³, S. Stoddard³, G. Miyao³, ¹University of California Cooperative Extension, Tulare and Kings Counties, CA, USA; ²Plant Pathology & Entomology Departments, University of California, Davis, CA, USA; ³University of California Cooperative Extension, Fresno, Madera, Merced, Sacramento, Solano, and Yolo, Counties, CA, USA
- 20 **Nitrogen Has Major Impact on Bell Pepper Yield but Not Post Harvest Quality - Michelle Le Strange¹** and Marita Cantwell², ¹University of California Cooperative Extension, Tulare & Kings Counties, CA, USA; ²Plant Sciences Dept, University of California, Davis, CA, USA
- 28 **Screening Capsicum Pepper Accessions for Tolerances to Salinity and Water Stresses - S. López-Galarza¹**, S.G. Nebauer¹, A. San Bautista¹, C. Penella² and A. Calatayud², ¹Departamento Producción Vegetal, Universitat Politècnica València, Valencia, Spain; ²Departamento Horticultura. Instituto Valenciano de Investigaciones Agrarias (IVIA), Valencia
- 3 **The Proper Role of Insecticides in IPM Programs for Western Flower Thrips in Pepper - Gene McAvoy¹**, Joe Funderburk², Mrittunjai Srivistava², and Norm Leppla³, ¹University of Florida Hendry County Extension, LaBelle, Florida; ²North Florida Research and Education Center, University of Florida, Quincy, Florida; ³Entomology and Nematology Department, University of Florida, Gainesville, FL
- 8 **Bioactive and Valuable Compounds in 114 Native Bolivian Chili Accessions - S. Meckelmann¹**, D. Riegel¹, C. Bejarano², T. Avila³, M. van Zonnefeld⁴, M. Petz¹, ¹Department of Food Chemistry, University of Wuppertal, Germany, ²Fundación PROINPA, Bolivia, ³CIFP, Bolivia, ⁴Bioversity International, Cali/Columbia
- 46 **Bioactive Field Trials of Peppers (*Capsicum* spp.) on the Island of St. Croix - Dilip Nandwani**, Plant Science Laboratory, Agricultural Experiment Station, University of the Virgin Islands, Kingshill, USVI
- 45 **Effect of Spacing and Variety on Yield and Fruit Quality of Pepper Grown with Seepage Irrigation in Florida Sandy Soils - Monica Ozores-Hampton**, University of Florida/Southwest Florida Research and Education Center, Immokalee FL, USA

- 35 **Examination of High Hydrostatic Pressure Technology for Preservation of Hungarian Red Pepper Paste - Gábor Palotás¹**, I. Dalmadi², A. Tréfás¹, H. Kis¹, E. Baisánszki¹, Gabriella Palotás¹ and Cs. Balla², ¹Univer Product Plc., Kecskemét, Hungary; ²Department of Refrigeration and Livestock Products' Technology, Corvinus University of Budapest, Hungary
- 36 **Methodological Options for Selection of Different Capsaicin-Containing Red Pepper Breeding Lines - Z. Tímár¹, Gábor Palotás²**, E. Sisákné Tatár¹, Gabriella Palotás² and G. Csilléry³, ¹Red Pepper Research and Development Nonprofit Ltd., Kalocsa, Hungary; ²Univer Product Plc., Kecskemét, Hungary, ³Budakert Ltd., Budapest, Hungary
- 37 **Use of Chlorophyll Fluorescence Imaging as Diagnostic Technique to Predict Compatibility in Capsicum spp. Graft - C. Penella¹**, S.G. Nebauer², A. San Bautista², S. López-Galarza² and A. Calatayud¹, ¹Departamento Horticultura. Instituto Valenciano de Investigaciones agrarias (IVIA). Valencia. Spain; ²Departamento Producción Vegetal, Universitat Politècnica València, Valencia, Spain
- 34 **Industrial Characterization, Carotenoid Accumulation and Carotenoid Biosynthetic Gene Expression for Red, Yellow and Brown Fruit Capsicum Genotypes - María-Teresa Pino¹**, Carolina Pabon², Darío Estay¹, Paulina Villagra¹, Maritza Mateo³, Gabriel Saavedra¹, Ricardo Pertuze³, Ana-Mabel Muñoz¹, ¹Institute of Agricultural Research of Chile (INIA) Santiago Chile, ²Escuela Politécnica del Ejército Quito Ecuador, ³Universidad de Chile, Santiago Chile
- 33 **Soluble Organic Fertilization of Poly-house Peppers - J.E. Reid**, K.E. Klotzbach, and N.R. Hoover, Cornell Cooperative Extension Vegetable Program, Cornell University, Penn Yan, NY, USA
- 21 **Genetic Divergence Among Jalapeño (Capsicum annuum var. annuum) Genotypes Based on Morpho-agronomic Characteristics - A. Ulhoa¹, T. Pereira¹, F.J.B. Reifschneider²**, R. N. O. Silva¹, R. Rodrigues¹, M. G. Pereira¹, ¹Plant Breeding Department, UENF, Campos dos Goytacazes, RJ, Brazil; ²EMBRAPA Hortaliças, EMBRAPA, Distrito Federal, Brasília, Brazil
- 22 **Inheritance of Resistance to PepYMV in Capsicum baccatum var. pendulum - R. Rodrigues¹**, C. dos S. Bento¹, L. S. A. Gonçalves¹, H. S. de Oliveira¹ and C. P. Sudre¹, ¹Plant Breeding Department, UENF, Campos dos Goytacazes, RJ, Brazil
- 23 **Resistance to Anthracnose in Capsicum spp. Accessions - R. Rodrigues¹**, S. de A. M. da Silva¹, L. S. A. Gonçalves¹, A. M. Medeiros¹, H. S. de Oliveira¹ and C. P. Sudre¹, ¹Plant Breeding Department, UENF, Campos dos Goytacazes, RJ, Brazil
- 25 **Performances of Lines Derived through Pure Line Selection from Naga Jolokia x Habanero Orange Cross - S.K.Samanta**, Directorate of Research, Bidhan Chandra Krishi Viswavidyalaya Kalyani, W.B., India
- 24 **The Age Affects Germination of Seeds of Piquin chili - A. Sandoval R., and A. Benavides, M.**, Department of Horticulture, Antonio Narro University, Saltillo, Coahuila, México; K. Alva R. and M. E. Vazquez B, Computing and Department of Plant Breeding, Antonio Narro University, Saltillo, Coahuila, Mexico
- 26 **Eco-friendly IPM Modules against Sucking and Chewing Pests of Chilli (Capsicum annuum L.) : Indian Perspective - P.K.Sarkar**, G. P.Timsina and S.K.Samanta, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal, India
- 32 **Internal Fruit Rot (Fusarium spp.) of Greenhouse Bell Peppers - C. Sauviller¹**, M. Van Mechelen¹, M. Frans², R. Aerts², K. Heungens³, K. Van Poucke³, F. Focquet³ en L. Van Herck⁴, ¹Research Centre Hoogstraten, Meerle, Belgium; ²Research Group Sustainable Crop Protection, Katholieke Hogeschool Kempen, Geel, Belgium; ³Institute for Agricultural and Fisheries Research (ILVO), Plant Sciences Unit – Crop Protection, Merelbeke, Belgium; ⁴Research Station for Vegetable Production, Sint-Katelijne-Waver, Belgium
- 31 **Flavor Enhancement of Bell Pepper (Capsicum annuum) Through Introgressions From Related Germplasm - Albrecht, Elena¹, Robert A. Saftner², John R. Stommel³**, Eunhee Park², ¹Keygene Inc., Rockville, MD; ²Food Quality Laboratory, USDA, ARS, Beltsville, MD; ³Genetic Improvement of Fruits and Vegetables Laboratory, USDA, ARS, Beltsville, MD

28 **Major Fungal Diseases of Chilli (*Capsicum annum*) in West Bengal, India and its Management - Jayanta Tarafdar¹, P.K. Sarkar² and S.K. Samanta¹, ¹Directorate of Research, Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India; ²Department of Agricultural Entomology, Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India**

29 **A Novel Push-Pull Method for Managing Thrips in Bell Peppers - K.A. Tyler-Julian¹, G. Frantz², J.E. Funderburk¹, C. Mellinger², and S. Reitz³, ¹University of Florida, North Florida Research and Education Center, Quincy, FL; ²Glades Crop Care, Inc. Jupiter, FL; ³Center for Medical, Agricultural and Veterinary Entomology, Agricultural Research Service, USDA, Tallahassee, FL, USA**

27 **Problems and Prospects of Hot Pepper Research in India – A Review - C.Venkata Ramana, L.Naram Naidu, T. Vijaya Lakshmi, C.Sarada and P. Vijaya Lakshmi; Dr. YSR Horticultural University, Horticultural Research Station, Lam Farm, Andhra Pradesh, India**