

**Нові надходження зарубіжних періодичних видань, якими
комплектуються бібліотеки науково-дослідних установ Національної
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**1. Applied Optics. – Washington. – ISSN 0078 -5460
Volume 53, Issue 10, April 1, 2014**

Статті, опубліковані в номері:

CORRELATION OPTICS 2013

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2. Applied Optics. – Washington. – ISSN 0078 -5460 Volume 53, Issue 11, April 10, 2014

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3. Indiana University Mathematics Journal. – Bloomington. – ISSN 0022 -2518

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4. Duke Mathematical Journal. – Durham. – ISSN 0012 -7094

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- Relating signed and classical Kazhdan–Lusztig polynomials *Wai Ling Yee*

Журнал надходить до Інституту математики міста Києва.

**5. Proceedings of the Edinburgh Mathematical Society. – Edinburgh. –
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**7. Compositio Mathematica. – Amsterdam. – ISSN 0010 -437X
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Журнал надходить до Інституту математики міста Києва.

**8. Compositio Mathematica. – Amsterdam. – ISSN 0010 -437X
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**9. Journal of Optimization Theory and Applications. – New York. –
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Volume 162, Number 2, August 2014**

Статті, опубліковані в номері:

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Problems *T. D. Chuong, J.-C. Yao*
On Higher-Order Sensitivity Analysis in Nonsmooth Vector Optimization
H. T. H. Diem, P. Q. Khanh, L. T. Tung

Numerical Procedures in Multiobjective Optimization with Variable Ordering Structures *G. Eichfelder*

Existence and Boundedness of Solutions in Infinite-Dimensional Vector Optimization Problems *C. Gutiérrez, R. López, V. Novo*

Characterizing the Nonemptiness and Compactness of the Solution Set of a Vector Variational Inequality by Scalarization *X. X. Huang, Y. P. Fang, X. Q. Yang*

The Pascoletti–Serafini Scalarization Scheme and Linear Vector Optimization *N. T. T. Huong, N. D. Yen*

Enhanced Efficiency in Multi-objective Optimization *Y. Jiang, S. Deng*

Existence of Solutions of New Generalized Mixed Vector Variational-Like Inequalities in Reflexive Banach Spaces *S. Plubtieng, T. Thammathiwat*

Characterization of Approximate Solutions of Vector Optimization Problems with a Variable Order Structure *B. Soleimani*

A Class of Differential Vector Variational Inequalities in Finite Dimensional Spaces *X. Wang, N.-j. Huang*

An Approximate Exact Penalty in Constrained Vector Optimization on Metric Spaces *A. J. Zaslavski*

Lagrange Multiplier Rules for Weak Approximate Pareto Solutions of Constrained Vector Optimization Problems in Hilbert Spaces *X. Y. Zheng, R. Li*

Scalarization of ϵ -Super Efficient Solutions of Set-Valued Optimization Problems in Real Ordered Linear Spaces *Z.-A. Zhou, X.-M. Yang*

Журнал надходить до Інституту математики міста Києва.

10. Journal of Optimization Theory and Applications. – New York. – ISSN 0022 -3239

Volume 162, Number 3, September 2014

Статті, опубліковані в номері:

A Critical View on Invexity *Constantin Zălinescu*

Primal-Dual Relationship Between Levenberg–Marquardt and Central Trajectories for Linearly Constrained Convex Optimization *R. Behling, C. Gonzaga, G. Haeser*

Duality Theory and Applications to Unilateral Problems *P. Daniele, S. Giuffrè, A. Maugeri, F. Raciti*

Dual Semidefinite Programs Without Duality Gaps for a Class of Convex Minimax Programs *V. Jeyakumar, J. Vicente-Pérez*

A Study of Regularization Techniques of Nondifferentiable Optimization in View of Application to Hemivariational Inequalities *N. Ovcharova, J. Gwinner*

On Computation of the Shape Hessian of the Cost Functional Without Shape Sensitivity of the State Variable *H. Kasumba, K. Kunisch*

- Optimality Conditions in Terms of Alternance: Two Approaches V. F. Demyanov, V. N. Malozemov
- Optimality Conditions for Vector Optimization Problems with Difference of Convex Maps X. L. Guo, S. J. Li
- Two-Sided Pareto Front Approximations I. Kaliszewski, J. Miroforidis
- Calmness and Exact Penalization in Vector Optimization under Nonlinear Perturbations J. Zhai, X. X. Huang
- Proximal Point Method on Finslerian Manifolds and the “Effort–Accuracy” Trade-off J. X. Cruz Neto, P. R. Oliveira, P. A. Soares Jr., A. Soubeyran
- The 2-Coordinate Descent Method for Solving Double-Sided Simplex Constrained Minimization Problems A. Beck
- Analysis of Convergence for Improved Chebyshev–Halley Methods Under Different Conditions X. Wang, J. Kou
- The Bound-Constrained Conjugate Gradient Method for Non-negative Matrices E. A. H. Vollebregt
- Optimal Guidance of the Isotropic Rocket in the Presence of Wind E. Bakolas
- Maximum Divert for Planetary Landing Using Convex Optimization M. W. Harris, B. Açıkmeşe
- Comments on “Enhancements on the Hyperplanes Arrangements in Mixed-Integer Programming Techniques” R. J. M. Afonso, R. K. H. Galvão

Журнал надходить до Інституту математики міста Києва.

**11. Journal of Hydrometeorology. – Boston. – ISSN 1525 -755X
Volume 15, Number 4, August 2014**

Статті, опубліковані в номері:

- Evaluation of CLASS 2.7 and 3.5 Simulations of Snow Properties from the Canadian Regional Climate Model (CRCM4) over Québec, Canada A. Langlois, J. Bergeron, R. Brown, A. Royer, R. Harvey, A. Roy, L. Wang, N. Thériault
- On the Changing Contribution of Snow to the Hydrology of the Fraser River Basin, Canada Do Hyuk Kang, Xiaogang Shi, Huilin Gao, Stephen J. Déry
- Assessing the Sensitivities of a Distributed Snow Model to Forcing Data Resolution Adam Winstral, Danny Marks, Robert Gurney
- How Does the Choice of Distributed Meteorological Data Affect Hydrologic Model Calibration and Streamflow Simulations? Marketa M. Elsner, Subhrendu Gangopadhyay, Tom Pruitt, Levi D. Brekke, Naoki Mizukami, Martyn P. Clark
- Physical Mechanisms Related to Climate-Induced Drying of Two Semiarid Watersheds in the Southwestern United States Seshadri Rajagopal, Francina Dominguez, Hoshin V. Gupta, Peter A. Troch, Christopher L. Castro

The Regional Influence of an Intense Sierra Barrier Jet and Landfalling Atmospheric River on Orographic Precipitation in Northern California: A Case Study *Paul J. Neiman, F. Martin Ralph, Benjamin J. Moore, Robert J. Zamora*

Incorporating an Urban Irrigation Module into the Noah Land Surface Model Coupled with an Urban Canopy Model *Pouya Vahmani, Terri S. Hogue*

Hydrologic Prediction over the Conterminous United States Using the National Multi-Model Ensemble *Kingtse C. Mo, Dennis P. Lettenmaier*

Summer Soil Moisture Spatiotemporal Variability in Southeastern Arizona *Susan Stillman, Jason Ninneman, Xubin Zeng, Trenton Franz, Russell L. Scott, William J. Shuttleworth, Ken Cummins*

Investigating the Ice Water Path in Convective Cloud Life Cycles to Improve Passive Microwave Rainfall Retrievals *Ramon Campos Braga, Daniel Alejandro Vila*

Evaluation of Multiple Satellite-Based Precipitation Products over Complex Topography *Yagmur Derin, Koray K. Yilmaz*

High-Resolution Climate Change Impact Analysis on Expected Future Water Availability in the Upper Jordan Catchment and the Middle East *Gerhard Smiatek, Harald Kunstmann, Andreas Heckl*

Using Reanalysis and Remotely Sensed Temperature and Precipitation Data for Hydrological Modeling in Monsoon Climate: Mekong River Case Study *H. Lauri, T. A. Räsänen, M. Kummu*

Evaluating Skill of Seasonal Precipitation and Temperature Predictions of NCEP CFSv2 Forecasts over 17 Hydroclimatic Regions in China *Yang Lang, Aizhong Ye, Wei Gong, Chiyuan Miao, Zhenhua Di, Jing Xu, Yu Liu, Lifeng Luo, Qingyun Duan*

Comparison of Downscaled Precipitation Data over a Mountainous Watershed: A Case Study in the Heihe River Basin *Xiaoduo Pan, Xin Li, Kun Yang, Jie He, Yanlin Zhang, Xujun Han*

Evaluation of the Reanalysis Products for the Monsoon Season Droughts in India *Reepal Shah, Vimal Mishra*

Leaf Area Index Variation for Crop, Pasture, and Tree in Response to Climatic Variation in the Goulburn–Broken Catchment, Australia *Zelalem K. Tesemma, Yongping Wei, Andrew W. Western, Murray C. Peel*

Applying Scaled Vegetation Greenness Metrics to Constrain Simulated Transpiration Anomalies: A Study over Australia *Mark Decker, Andy J. Pitman, Jason Evans*

Impacts of Satellite-Based Rainfall Products on Predicting Spatial Patterns of Rift Valley Fever Vectors *Clement Guilloteau, Marielle Gosset, Cecile Vignolles, Matias Alcoba, Yves M. Turre, Jean-Pierre Lacaux*

Uncertainties, Correlations, and Optimal Blends of Drought Indices from the NLDAS Multiple Land Surface Model Ensemble *Youlong Xia, Michael B. Ek, David Mocko, Christa D. Peters-Lidard, Justin Sheffield, Jiarui Dong, Eric F. Wood*

Evaluation of Real-Time Satellite Precipitation Data for Global Drought Monitoring *Tian Zhou, Bart Nijssen, George J. Huffman, Dennis P. Lettenmaier*

A Prototype Global Drought Information System Based on Multiple Land Surface Models *Bart Nijssen, Shraddhanand Shukla, Chiyu Lin, Huilin Gao, Tian Zhou, Ishottama, Justin Sheffield, Eric F. Wood, Dennis P. Lettenmaier*

Combining Datasets of Satellite-Retrieved Products. Part I: Methodology and Water Budget Closure *Filipe Aires*

Challenges of Operational River Forecasting *Thomas C. Pagano, Andrew W. Wood, Maria-Helena Ramos, Hannah L. Cloke, Florian Pappenberger, Martyn P. Clark, Michael Cranston, Dmitri Kavetski, Thibault Mathevet, Soroosh Sorooshian, Jan S. Verkade*

Why Should Ensemble Spread Match the RMSE of the Ensemble Mean?
V. Fortin, M. Abaza, F. Anctil, R. Turcotte

Журнал надходить до Інституту іоносфери міста Харкова.

**12. Monthly Weather Review. – Boston. – ISSN 0027 -0644
Volume 142, Number 8, August 2014**

Статті, опубліковані в номері:

PICTURE OF THE MONTH

Searching for the Elusive Cold-Type Occluded Front *David M. Schultz, Bogdan Antonescu, Alessandro Chiariello*

ARTICLES

Distinguishing the Cold Conveyor Belt and Sting Jet Airstreams in an Intense Extratropical Cyclone *Oscar Martínez-Alvarado, Laura H. Baker, Suzanne L. Gray, John Methven, Robert S. Plant*

Can Polar Lows be Objectively Identified and Tracked in the ECMWF Operational Analysis and the ERA-Interim Reanalysis? *Giuseppe Zappa, Len Shaffrey, Kevin Hodges*

Performance of Operational Model Precipitation Forecast Guidance during the 2013 Colorado Front-Range Floods *Thomas M. Hamill*

A Study of Two Propagating Heavy-Rainfall Episodes near Taiwan during SoWMEX/TiMREX IOP-8 in June 2008. Part I: Synoptic Evolution, Episode Propagation, and Model Control Simulation *Chung-Chieh Wang, Jason Chieh-Sheng Hsu, George Tai-Jen Chen, Dong-In Lee*

A Study of Two Propagating Heavy-Rainfall Episodes near Taiwan during SoWMEX/TiMREX IOP-8 in June 2008. Part II: Sensitivity Tests on the Roles of Synoptic Conditions and Topographic Effects *Chung-Chieh Wang, Jason Chieh-Sheng Hsu, George Tai-Jen Chen, Dong-In Lee*

Regionalizing Rainfall at Very High Resolution over La Réunion Island Using a Regional Climate Model *Béatrice Morel, Benjamin Pohl, Yves Richard, Benjamin Bois, Miloud Bessafi*

An Observational and Modeling Study of the Processes Leading to Deep, Moist Convection in Complex Terrain *Tammy M. Weckwerth, Lindsay J.*

Bennett, L. Jay Miller, Joël Van Baelen, Paolo Di Girolamo, Alan M. Blyth, Tracy J. Hertneky

Objectively Determined Fair-Weather NBL Features in ARW-WRF and Their Comparison to CASES-97 Observations *Margaret A. LeMone, Mukul Tewari, Fei Chen, Jimmy Dudhia*

Implementing Large-Eddy Simulation Capability in a Compressible Mesoscale Model *Nicolas Gasset, Robert Benoit, Christian Masson*

An Eddy Kinetic Energy View of Physical and Dynamical Processes in Distinct Forecast Scenarios for the Extratropical Transition of Two Tropical Cyclones *Julia H. Keller, Sarah C. Jones, Patrick A. Harr*

The Extratropical Transition of Tropical Cyclone Edisoana (1990) *Kyle S. Griffin, Lance F. Bosart*

The Role of Vertical Shear on Aviation Turbulence within Cirrus Bands of a Simulated Western Pacific Cyclone *Jung-Hoon Kim, Hye-Yeong Chun, Robert D. Sharman, Stanley B. Trier*

On the Limits of Estimating the Maximum Wind Speeds in Hurricanes *David S. Nolan, Jun A. Zhang, Eric W. Uhlhorn*

Origin and Maintenance of the Long-Lasting, Outer Mesoscale Convective System in Typhoon Fengshen (2008) *Buo-Fu Chen, Russell L. Elsberry, Cheng-Shang Lee*

The Impact of Targeted Dropwindsonde Observations on Tropical Cyclone Intensity Forecasts of Four Weak Systems during PREDICT *Ryan D. Torn*

Ensemble-Based Error and Predictability Metrics Associated with Tropical Cyclogenesis. Part I: Basinwide Perspective *William A. Komaromi, Sharanya J. Majumdar*

A Comparison of Ensemble Kalman Filters for Storm Surge Assimilation *M. U. Altaf, T. Butler, T. Mayo, X. Luo, C. Dawson, A. W. Heemink, I. Hoteit*

Influence of Assimilating Surface Observations on Numerical Prediction of Landfalls of Hurricane Katrina (2005) with an Ensemble Kalman Filter *Hailing Zhang, Zhaoxia Pu*

VORTEX2 Observations of a Low-Level Mesocyclone with Multiple Internal Rear-Flank Downdraft Momentum Surges in the 18 May 2010 Dumas, Texas, Supercell *Patrick S. Skinner, Christopher C. Weiss, Michael M. French, Howard B. Bluestein, Paul M. Markowski, Yvette P. Richardson*

A Dryline in Southeast Wyoming. Part II: Airborne In Situ and Raman Lidar Observations *Philip T. Bergmaier, Bart Geerts, Zhien Wang, Bo Liu, Patrick C. Campbell*

Verification of European Subseasonal Wind Speed Forecasts *Kieran J. Lynch, David J. Brayshaw, Andrew Charlton-Perez*

A Nonsymmetric Logit Model and Grouped Predictand Category Development *Bob Glahn*

Extending Extended Logistic Regression: Extended versus Separate versus Ordered versus Censored *Jakob W. Messner, Georg J. Mayr, Daniel S. Wilks, Achim Zeileis*

Журнал надходить до Морського гідрофізичного інституту міста Севастополя.

13. Bulletin of the American Meteorological Society. – Boston. – ISSN 0003 -0007

Volume 95, Number 7, July 2014

Статті, опубліковані в номері:

IN BOX

Precipitation Variability and Extremes in Central Europe: New View from STAMMEX Results *O. Zolina et al.*

ESSAY

Specificities of Climate Modeling Research and the Challenges in Communicating to Users *Ramón de Elía*

ARTICLES

An Enhanced Archive Facilitating Climate Impacts and Adaptation Analysis *E. P. Maurer et al.*

The World is Not Flat: Implications for the Global Carbon Balance *M. W. Rotach et al.*

Meteorologists' Views About Global Warming: A Survey of American Meteorological Society Professional Members *N. Stenhouse et al.*

Meteorological Overview of the Devastating 27 April 2011 Tornado Outbreak *K. R. Knupp et al.*

HyMeX: A 10-Year Multidisciplinary Program on the Mediterranean Water Cycle *P. Drobinski et al.*

HyMeX-SOP1: The Field Campaign Dedicated to Heavy Precipitation and Flash Flooding in the Northwestern Mediterranean *V. Ducrocq et al.*

MEETING SUMMARY

Theoretical Aspects of Variability and Predictability in Weather and Climate Systems *S. Yoden et al.*

Журнал надходить до Інституту іоносфери міста Харкова.

14. Brittonia. A Journal of Systematic Botany. – New York – ISSN 0007 -196X

Volume 66, Issue 1, March 2014

Статті, опубліковані в номері:

Taxonomy

Salvia tonaticensis (Lamiaceae), a rare new species from Mexico *Sabina I. Lara-Cabrera, Brenda Y. Bedolla-García, Sergio Zamudio*

A new species of *Verbesina* (Asteraceae: Heliantheae) from northeastern Mexico José A. Villarreal-Q, A. Eduardo Estrada-C, Magdalena Salinas-R

A synopsis of the genus *Deguelia* (Leguminosae, Papilionoideae, Millettieae) in Brazil Rodrigo Augusto Camargo, Ana Maria Goulart de Azevedo Tozzi

Three new species of *Mimosa* sect. *Mimosa* (Leguminosae, Mimosoideae) from the campos rupestres of Minas Gerais, Brazil Valquiria Ferreira Dutra, Flávia Cristina Pinto Garcia

Three new species of *Xyris* (Xyridaceae) from Diamantina Plateau in Brazil, Minas Gerais Nara F. O. Mota, Maria G. L. Wanderley

Studies on Mexican Cactaceae. V. Taxonomic notes on *Selenicereus tricae* Carlos Gómez-Hinostrosa, Héctor M. Hernández, Teresa Terrazas...

A new species of *Erythroxylum* (Erythroxylaceae) from northeastern Brazil James Lucas da Costa-Lima, Maria Iracema Bezerra Loiola, Marccus Alves

Drymonia crispa (Gesneriaceae), a new species from northwestern Colombia Laura Clavijo, John L. Clark

Ephedranthus dimerus (Annonaceae), a new species from the Atlantic Forest of Brazil, with a key to the species of *Ephedranthus* Jenifer de Carvalho Lopes, Lars W. Chatrou, Renato Mello-Silva

Miconia becqueri, a new species of *Miconia* (Melastomataceae) with strongly four-lobed ovaries from the Sierra Maestra, Cuba Walter S. Judd, Lucas C. Majure

Taxonomic notes on myrmecophilous Melastomataceae: A new species, two new synonyms, and an old species reconsidered Fabián A. Michelangeli

Structural Botany

Morfología y anatomía floral de la tribu Hamelieae (Rubiaceae) Dorismilda Martínez-Cabrera, Teresa Terrazas, Helga Y Ochoterena

Журнал надходить до Центрального ботанічного саду ім. М. М. Гришка міста Києва.

15. Brittonia. A Journal of Systematic Botany. – New York – ISSN 0007 -196X

Volume 66, Issue 2 June 2014

Статті, опубліковані в номері:

Taxonomy

Manihot (Euphorbiaceae) en Bolivia, parte I: Tres especies nuevas y un nuevo registro J. Moises Mendoza F.

A case of mistaken identity, *Opuntia abjecta*, long-lost in synonymy under the Caribbean species, *O. triacantha*, and a reassessment of the enigmatic *O. cubensis* Lucas C. Majure, Douglas E. Soltis, Pamela S. Soltis, Walter S. Judd

Sapindus sonlaensis (Sapindaceae), a new species from Vietnam *Minh Tam Ha, Khac Khoi Nguyen, The Cuong Nguyen, The Bach Tran*

Three new species and a revised key to species of *Oxalis* section *Polymorphae* (Oxalidaceae) *Pedro Fiaschi*

A new species of *Dalea* series *Compactae* (Leguminosae: Amorphaeae) from northwestern Chihuahua, Mexico *A. Eduardo Estrada-C., José A. Villarreal-Q., Humberto Vega-M.*

A new species and a new combination in *Stelis* (Pleurothallidinae-Orchidaceae) from South America *Edlley Pessoa, Marccus Alves*

New and reconsidered species of tropical American Melastomataceae
Frank Almeda, Darin S. Penneys

A new species of *Graffenrieda* (Melastomataceae) from the northern Amazon basin *Fabián A. Michelangeli, Renato Goldenberg*

Mycopteris, a new neotropical genus of grammitid ferns (Polypodiaceae)
Michael A. Sundue

Bursera pereirae, a new species and generic record for the Cerrado complex of Brazil. Studies in neotropical Burseraceae XVIII *Douglas C. Daly*

Pollination Biology

Pollination ecology of the Cerrado species *Eschweilera nana* (Lecythidaceae subfam. Lecythidoideae) *Carolina de Moraes de Potascheff, Scott A. Mori, Julio Antonio Lombardi*

Журнал надходить до Інституту ботаніки ім. М. Г. Холодного міста Києва.

16. International Journal of Plant Sciences. – Chicago – ISSN 1058 - 5893

Volume 175, Number 7, September 2014

Статті, опубліковані в номері:

Editorial Announcement

Introducing New Content for IJPS: Differing Perspectives

Differing Perspectives

Assessing Allometric Growth by Leaves and the Hypothesis of Diminishing Returns *Gary C. Packard*

Assessing Scaling Relationships: Uses, Abuses, and Alternatives *Karl J. Niklas and Sean T. Hammond*

Phylogenetics and Biogeography of *Apios* (Fabaceae) Inferred from Sequences of Nuclear and Plastid Genes *Jianhua Li, Jinhua Jiang, Holly Vander Stel, Austin Homkes, Jeffrey Corajod, Kenneth Brown, and Zhiduan Chen*

Reexamination of a Putative Diploid Hybrid Taxon Using Genetic Evidence: The Distinctiveness of *Phlox pilosa* subsp. *deamii* (Polemoniaceae) *Shannon D. Fehlberg, Maureen C. Ty, and Carolyn J. Ferguson*

Sexual Dimorphism in Cryptically Dioecious *Thalictrum macrostylum*
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Development of the Remarkable Pollen Apertures of the Jellyfish Tree
Medusagyne oppositifolia (Ochnaceae, Malpighiales) *Carol A. Furness*

Comparative Anatomy of Reproductive Structures in Cyclanthaceae
(Pandanales) *M. Graça Sajo, Julio A. Lombardi, Rafaela C. Forzza, and
Paula J. Rudall*

Phytogeographic History of the Humiriaceae (Part 2) *Fabiany Herrera,
Steven R. Manchester, Jorge Vélez-Juarbe, and Carlos Jaramillo*

Earliest Occurrence of Autorotating Seeds in Conifers: The Permian
(Kungurian-Roadian) *Manifera talaris* gen. et sp. nov. *Cindy V. Looy and Robert
A. Stevenson*

**Журнал надходить до Центрального ботанічного саду ім. М. М.
Гришка міста Києва.**

**17. Journal of Plant Physiology. Biochemistry, Physiology, Molecular
Biology and Functional Biotechnology of Plants. – Berlin. – ISSN 0176 -1617
Volume 171, Issue 12, 15 July 2014**

Статті, опубліковані в номері:

Review

Nodule performance within a changing environmental context *Iker
Aranjuelo, Cesar Arrese-Igor, Gemma Molero*

Biochemistry

Redox and nitric oxide homeostasis are affected in tomato (*Solanum
lycopersicum*) roots under salinity-induced oxidative stress *Jamel Manai,
Houda Gouia, Francisco J. Corpas*

Physiology

Impact of a short-term heat event on C and N relations in shoots vs. roots of
the stress-tolerant C4 grass, *Andropogon gerardii* *Kumar P. Mainali, Scott A.
Heckathorn, Dan Wang, Michael N. Weintraub, Jonathan M. Frantz, E. William
Hamilton III*

Iron uptake mechanism in the chrysophyte microalga *Dinobryon* *Nava
Carmel, Elisha Tel-Or, Yona Chen, Uri Pick*

A maize mitogen-activated protein kinase kinase, ZmMKK1, positively
regulated the salt and drought tolerance in transgenic *Arabidopsis* *Guohua Cai,
Guodong Wang, Li Wang, Yang Liu, Jiaowen Pan, Dequan Li*

Roles of hydroxyproline-rich glycoproteins in the pollen tube and style cell
growth of tobacco (*Nicotiana tabacum* L.) *Xuelian Zhang, Haoli Ma, Huandong
Qi, Jie Zhao*

EPR spin labeling measurements of thylakoid membrane fluidity during barley leaf senescence *Ivan Jajić, Anna Wiśniewska-Becker, Tadeusz Sarna, Małgorzata Jemiola-Rzemińska, Kazimierz Strzałka*

Proteomic analysis of *Populus × euramericana* (clone I-214) roots to identify key factors involved in zinc stress response *Stefania Romeo, Dalila Trupiano, Andrea Ariani, Giovanni Renzone, Gabriella S. Scippa, Andrea Scaloni, Luca Sebastiani*

Real time expression of ACC oxidase and PR-protein genes mediated by *Methylobacterium* spp. in tomato plants challenged with *Xanthomonas campestris* pv. *Vesicatoria* *W.J. Yim, K.Y. Kim, Y.W. Lee, S.P. Sundaram, Y. Lee, T.M. Sa*

Molecular Biology

Transcriptional behavior of EUL-related rice lectins toward important abiotic and biotic stresses *Bassam Al Atalah, David De Vleeschauwer, Jing Xu, Elke Fouquaert, Monica Höfte, Els J.M. Van Damme*

Identification and characterization of a second isogene encoding γ -terpinene synthase in *Thymus caespititius* *Marta D. Mendes, José G. Barroso, M. Margarida Oliveira, Helena Trindade*

Short Communications

Desiccation tolerance of the resurrection plant *Ramonda serbica* is associated with dehydration-dependent changes in levels of proteolytic activities *Marjetka Kidrič, Jerica Sabotič, Branka Stevanović*

Elevated CO₂ causes changes in the photosynthetic apparatus of a toxic cyanobacterium, *Cylindrospermopsis raciborskii* *Mattia Pierangelini, Slobodanka Stojkovic, Philip T. Orr, John Beardall*

Журнал надходить до Інституту фізіології рослин і генетики міста Києва.

**18. Journal of Plant Physiology. Biochemistry, Physiology, Molecular Biology and Functional Biotechnology of Plants. – Berlin. – ISSN 0176 -1617
Volume 171, Issue 13, 15 August 2014**

Статті, опубліковані в номері:

Physiology

Localization of strawberry (*Fragaria x ananassa*) and *Methylobacterium extorquens* genes of strawberry flavor biosynthesis in strawberry tissue by in situ hybridization *Constantina Nasopoulou, Johanna Pohjanen, Janne J. Koskimäki, Ioannis Zabetakis, Anna Maria Pirttilä*

Effect of short-term cold stress on oxidative damage and transcript accumulation of defense-related genes in chickpea seedlings *Seyyedeh-Sanam Kazemi-Shahandashti, Reza Maali-Amiri, Hassan Zeinali, Mona Khazaei, Alireza Talei, Seyyedeh-Sanaz Ramezanpour*

Dormancy alleviation by NO or HCN leading to decline of protein carbonylation levels in apple (*Malus domestica* Borkh.) embryos *Urszula Krasuska, Katarzyna Ciacka, Karolina Dębska, Renata Bogatek, Agnieszka Gniazdowska*

Phytotoxic and genotoxic effects of silver nanoparticles exposure on germinating wheat seedlings *Candida Vannini, Guido Domingo, Elisabetta Onelli, Fabrizio De Mattia, Ilaria Bruni, Milena Marsoni, Marcella Bracale*

In vivo interaction between the tobacco lectin and the core histone proteins *Annelies Delporte, Winnok H. De Vos, Els J.M. Van Damme*

Two distinct plant respiratory phenotypes might exist which correspond to fast-growing and slow-growing species *Salvador Nogués, Salvador Aljazairi, Claudia Arias, Elena Sánchez, Iker Aranjuelo*

Actin marker lines in grapevine reveal a gatekeeper function of guard cells *Xin Guan, Günther Buchholz, Peter Nick*

Tungsten disrupts root growth in *Arabidopsis thaliana* by PIN targeting *Ioannis-Dimosthenis S. Adamakis, Emmanuel Panteris, Eleftherios P. Eleftheriou*

Hydrogen peroxide production and mitochondrial dysfunction contribute to the fusaric acid-induced programmed cell death in tobacco cells *Jiao Jiao, Ling Sun, Benguo Zhou, Zhengliang Gao, Yu Hao, Xiaoping Zhu, Yuancun Liang*

Molecular Biology

Differential expression of microRNAs and their targets reveals a possible dual role in physiological bark disorder in rubber tree *Manassawe Lertpanyasampatha, Unchera Viboonjun, Panida Kongsawadworakul, Hervé Chrestin, Jarunya Narangajavana*

Characterization of the HMA7 gene and transcriptomic analysis of candidate genes for copper tolerance in two *Silene vulgaris* ecotypes *Jiri Baloun, Eva Nevrtalova, Viera Kovacova, Vojtech Hudzieczek, Radim Cegan, Boris Vyskot, Roman Hobza*

Short Communications

Arabidopsis galactinol synthase AtGolS2 improves drought tolerance in the monocot model Brachypodium distachyon *Yasuyo Himuro, Kanako Ishiyama, Fumie Mori, Takahiro Gondo, Fuminori Takahashi, Kazuo Shinozaki, Masatomo Kobayashi, Ryo Akashi*

Erratum to “Stem sugar accumulation in sweet sorghum – Activity and expression of sucrose metabolizing enzymes and sucrose transporters” [J. Plant Physiol. 169 (2012) 605–613] *Hilal Ahmad Qazi, Sharayu Paranjpe, Sujata Bhargava*

Журнал надходить до Інституту фізіології рослин і генетики міста Києва.

**19. Canadian Journal of Plant Science. – Ottawa. – ISSN 0008 -4220
Volume 93, Number 2, March 2013**

Статті, опубліковані в номері:

Forage

Nitrogen fertilizer product and timing alternatives exist for forage production in the Peace region of Alberta *R. E. Karamanos, F. C. Stevenson*

Does *Festuca hallii* (Vasey) Piper produce and display more leaves on tillers after defoliation? *J. T. Romo*

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Acknowledgement of Reviewers

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20. Power. Business and Technology for the Global Generation Industry. – New York. – ISSN 0032 -5929

Volume 158, Number 9, September 1, 2014

Статті, опубліковані в номері:

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Журнал надходить до Інституту технічної теплофізики ім. М.С. Полякова міста Києва.

21. Journal of the Japan Petroleum Institute. – Tokyo. – ISSN 1346 - 8804

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Журнал надходить до Інституту геології і геохімії горючих копалин міста Львова.

22. ISIJ International. – Tokyo. – ISSN 0915 -1559 Volume 54, Number 7, 2014

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Fundamentals of High Temperature Processes

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**23. ISIJ International. – Tokyo. – ISSN 0915 -1559
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Erratum to “Quantitative Determination of Free Lime Amount in Steelmaking Slag by X-ray Diffraction” [ISIJ Int. 54(6): 1334–1337 (2014)]
Jakub Vaverka, Kenji Sakurai

Журнал надходить до Інституту проблем матеріалознавства ім. І. Г. Францевича міста Києва.

**24. Ceramic Industry Magazine. – Troy. – ISSN 0009 -0220
Volume 164, Issue 9, 2014 September**

Статті, опубліковані в номері:

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**25. Journal of Trauma and Acute Care Surgery. – Hagerstown. –
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**26. Acta Pharmaceutica. – Zagreb. – ISSN 1330 -0075
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