

Elicitr'Actu

Mai – Juin – Juillet – août – septembre 2013

Contenu :

1	Actualité presse	1
2	Veille scientifique.....	2
2.1	Interactions plante-pathogène.....	2
2.2	SDP et mode d'action	16
3	Réglementation et mise sur le marché	19
3.1	Réglementation nationale et européenne	25
3.2	Mise sur le marché de SDP en France	25

Actualité presse

Les plantes et les insectes. Une lutte permanente. 1- Les défenses des plantes.

Auteur : Jacques HUIGNARD

Cet article fait le point sur les insectes phytophages et sur les différents systèmes de défense mis en œuvre par leurs plantes hôtes.

Source : Insectes – n° 168 – p.3-8 – Mars 2013

Les Stimulateurs de Défenses Naturelles des plantes (SDN) : une nouvelle stratégie dans un contexte de réduction des intrants

Dans ce bulletin Ecophyto sur les méthodes alternatives de lutte utilisées pour les cultures de blé, pomme de terre et oignons, Philippe Reignault, explique ce que sont les SDN et quels sont leurs avantages. Il répertorie également les SDN présents sur le marché pour ces trois cultures. Enfin, il évoque les perspectives d'avenir pour les stimulateurs des défenses des plantes en agriculture.

Lien vers ce bulletin :

http://www.agriculture-npdc.fr/fileadmin/documents/Publication/Ecophyto/ecophyto_qualipom.pdf

Source : Bulletin Ecophyto - Blé, pommes de terre, oignons : des méthodes alternatives pour réduire les phytos- Chambre d'agriculture de région du Nord - Pas de Calais – p.4-5 - 2013

Guide des produits de protection des cultures utilisables en France

Auteur : ITAB

L'institut technique de l'agriculture biologique (ITAB) a actualisé son guide des intrants utilisables en agriculture biologique (UAB). **Télécharger ce guide :**

http://www.itab.asso.fr/downloads/guide_produits_protection_cultures_utilisables_en_ab.pdf

Source : Site internet de l'ITAB

Des chercheurs américains trouvent un moyen d'améliorer les défenses d'un peuplier sans impacter négativement sa croissance

Auteur : Sandi Martin

L'acide salicylique est une des clés de la protection des plantes. Cependant, l'augmentation de cette substance chimique naturelle se traduit généralement par un ralentissement de la croissance. Des chercheurs ont mis au point une technique permettant d'augmenter les teneurs en acide salicylique chez des peupliers génétiquement modifiés sans pour autant réduire leur croissance.

Source : UGA Today – Lien vers cet article : <http://news.uga.edu/releases/article/researchers-improve-plant-defenses-without-negatively-impacting-growth/>

Phosphites, moyens de lutte contre le mildiou

Auteur : Carole David

Cet article fait le point sur les différentes stratégies adoptées pour lutter contre le mildiou de l'artichaut : SDP (nouvellement mis sur le marché), création variétale, modèles prévisionnels...

Source : Paysan Breton - semaine du 12 au 18 Juillet 2013

Lien vers cet article : <http://www.paysan-breton.fr/article/14290/phosphites,-moyens-de-lutte-contre-le-mildiou.html>

Veille scientifique

Interactions plante-pathogène/ravageur

2.1.1 Interactions plante-pathogène

Characterization of Citrus sinensis transcription factors closely associated with the non-host response to Xanthomonas campestris pv. vesicatoria

Lucas D. Daurelio, María S. Romero, Silvana Petrocelli, Paz Merelo, Adriana A. Cortadi, Manuel Talón, Francisco R. Tadeo, Elena G. Orellano

Source : Journal of Plant Physiology – 170(10): 934–942 - July 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0176161713000540>

Cis- and trans-zeatin differentially modulate plant immunity

Dominik Großkinsky, Kerstin Edelsbrunner, Hartwig Pfeifhofer, Eric van der Graaff and Thomas Roitsch

Source : Plant signaling and behavior – 8: 7 - July 2013

Lien vers le résumé de cet article : <http://www.landesbioscience.com/journals/psb/article/24798/>

Specialized Roles of the Conserved Subunit OST3/6 of the Oligosaccharyltransferase Complex in Innate Immunity and Tolerance to Abiotic Stresses

Akhlaq Farid, Frederikke Gro Malinovsky, Christiane Veit, Jennifer Schoberer, Cyril Zipfel and Richard Strasser

Source : Plant Physiology – 162(1): 24-38 - May 2013

Lien vers le résumé de cet article : <http://www.plantphysiol.org/content/162/1/24.short?rss=1>

Infection Structure-Specific Reductive Iron Assimilation Is Required for Cell Wall Integrity and Full Virulence of the Maize Pathogen Colletotrichum graminicola

Emad Albarouki and Holger B. Deising

Source : MPMI – 26(6) : 695-708 - June 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-01-13-0003-R>

Contribution of Small RNA Pathway Components in Plant Immunity

Jang-Kyun Seo, Jianguo Wu, Yifan Lii, Yi Li, and Hailing Jin

Source : MPMI – 26(6) : 617-625 - June 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-10-12-0255-IA>

Microbe-Independent Entry of Oomycete RxLR Effectors and Fungal RxLR-Like Effectors Into Plant and Animal Cells Is Specific and Reproducible

Brett M. Tyler, Shiv D. Kale, Qunqing Wang, Kai Tao, Helen R. Clark, Kelly Drews, Vincenzo Antignani, Amanda Rumore, Tristan Hayes, Jonathan M. Plett, Isabelle Fudal, Biao Gu, Qinghe Chen, Katharyn J. Affeldt, Erwin Berthier, Gregory J. Fischer, Daolong Dou, Weixing Shan, Nancy P. Keller, Francis Martin, Thierry Rouxel, and Christopher B. Lawrence

Source : MPMI – 26(6) : 611-616 - June 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-02-13-0051-IA>

Host-Induced Gene Silencing in Barley Powdery Mildew Reveals a Class of Ribonuclease-Like Effectors

Clara Pliego, Daniela Nowara, Giulia Bonciani, Dana M. Gheorghe, Ruo Xu, Priyanka Surana, Ehren Whigham, Dan Nettleton, Adam J. Bogdanove, Roger P. Wise, Patrick Schweizer, Laurence V. Bindschedler, and Pietro D. Spanu

Source : MPMI – 26(6) : 633-642 - June 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-01-13-0005-R>

Wounding- and Pathogen-Induced Defense Responses in Plants

ANDERS K NILSSON

Source : Akademisk avhandling för filosofie doktorsexamen i Naturvetenskap med inriktning Biologi, som med tillstånd från Naturvetenskapliga fakulteten kommer att offentligt försvaras fredagen den 31:a maj 2013 kl. 10.00 i Hörsalen, Institutionen för biologi och miljövetenskap, Carl Skottsbergs gata 22B, Göteborg. Examinator: Professor Adrian Clarke, Institutionen för biologi och miljövetenskap, Göteborgs Universitet Fakultetsopponent: Professor Edward Farmer, Département de biologie moléculaire végétale, Université de Lausanne

Lien vers cette thèse : https://gupea.ub.gu.se/bitstream/2077/32627/7/gupea_2077_32627_7.pdf

Tell me more: roles of NPRs in plant immunity

Karolina M. Pajerowska-Mukhtar, David K. Emerine, M. Shahid Mukhtar

Source : Trends in plant science - Available online 15 May 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S1360138513000642>

The Hordeum vulgare signalling protein MAP kinase 4 is a regulator of biotic and abiotic stress responses

Mohammed Abass, Peter C. Morris

Source : Journal of Plant Physiology - Available online 20 May 2013

Lien vers le résumé de cet article :

<http://www.sciencedirect.com/science/article/pii/S0176161713001867?np=y>

Recent Progress in Understanding PAMP- and Effector-Triggered Immunity against the Rice Blast Fungus Magnaporthe oryzae

Wende Liu, Jinling Liu, Yuese Ning, Bo Ding, Xuli Wang, Zhilong Wang and Guo-Liang Wang

Source : Mol. Plant - 6(3): 605-620 – 2013

Lien vers le résumé de cet article : <http://mplant.oxfordjournals.org/content/6/3/605.short?rss=1>

Roles of Plant Hormones and Their Interplay in Rice Immunity

Dong-Lei Yang, Yinong Yang and Zuhua He

Source : Mol. Plant - 6(3): 675-685 – 2013

Lien vers le résumé de cet article : <http://mplant.oxfordjournals.org/content/6/3/675.short?rss=1>

MYC2: The Master in Action

Kemal Kazan and John M. Manners

Source : Mol. Plant - 6(3): 686-703 – 2013

Lien vers le résumé de cet article : <http://mplant.oxfordjournals.org/content/6/3/686.short?rss=1>

The Salicylic Acid Receptor NPR3 Is a Negative Regulator of the Transcriptional Defense Response during Early Flower Development in Arabidopsis

Zi Shi, Siela Maximova, Yi Liu, Joseph Verica and Mark J. Guiltinan

Source : Mol. Plant - 6(3): 802-816 – 2013

Lien vers le résumé de cet article : <http://mplant.oxfordjournals.org/content/6/3/802.short?rss=1>

Perception of low red: far-red ratio compromises both salicylic acid- and jasmonic acid-dependent pathogen defences in Arabidopsis

Mieke de Wit, Steven H. Spoel, Gabino F. Sanchez-Perez, Charlotte M. M. Gommers, Corné M. J. Pieterse, Laurentius A. C. J. Voeselek, Ronald Pierik

Source : The Plant Journal – 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/tpj.12203/abstract;jsessionid=C3001849182CAFE5A568810616F0101.d03t02>

JAV1 Controls Jasmonate-Regulated Plant Defense

Po Hu, Wu Zhou, Zhiwei Cheng, Meng Fan, Lei Wang, Daoxin Xie

Source : Molecular Cell – 50(4): 504-515 - 23 May 2013

Lien vers le résumé de cet article :

[http://www.cell.com/molecular-cell/abstract/S1097-2765\(13\)00332-8?bid=2HXAR4F:U5NWK3F](http://www.cell.com/molecular-cell/abstract/S1097-2765(13)00332-8?bid=2HXAR4F:U5NWK3F)

Big Roles of Small Kinases: The Complex Functions of Receptor-like Cytoplasmic Kinases in Plant Immunity and Development

Wenwei Lin, Xiyu Ma, Libo Shan, Ping He

Source : Journal of Integrative Plant Biology - Accepted, unedited articles published online and citable. The final edited and typeset version of record will appear in future – 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/jipb.12071/abstract;jsessionid=C72F7DC3FBD4F5EFC23746434376AEBE.d04t02>

New insights into the regulation of plant immunity by amino acid metabolic pathways

JÜRGEN ZEIER

Source : Plant, Cell & Environment - Article first published online: 17 MAY 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/pce.12122/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false>

Lectin receptor kinases in plant innate immunity

Prashant Singh and Laurent Zimmerli

Source : Front Plant Sci. - 4: 124 – 2013

Lien vers cet article : <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3646242/>

Induction of resistance against pathogens by β -aminobutyric acid

Piękna-Grochala Justyna, Kępczyńska Ewa

Source : Acta Physiologiae Plantarum – 35(6): 1735-1748 - June 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007/s11738-013-1215-z>

Double Repression in Jasmonate-Mediated Plant Defense

Xiaohong Zhu, Jian-Kang Zhu

Source : Molecular Cell – 50(4): 459–460 -- 23 May 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S1097276513003729>

Ve1-mediated resistance against Verticillium does not involve a hypersensitive response in Arabidopsis

Zhao Zhang, H. Peter van Esse, Mireille van Damme, Emilie F. Fradin, Chun-Ming Liu, Bart P. H. J. Thomma

Source : Molecular Plant Pathology - Article first published online: 27 MAY 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/mpp.12042/abstract>

AtMYB44 regulates resistance to the green peach aphid and diamondback moth by activating EIN2-affected defences in Arabidopsis

B.-B. Lü, X.-J. Li, W.-W. Sun, L. Li, R. Gao, Q. Zhu, S.-M. Tian, M.-Q. Fu, H.-L. Yu, X.-M. Tang, C.-L. Zhang, H.-S. Dong

Source : Plant Biology - Article first published online: 8 MAY 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/j.1438-8677.2012.00675.x/abstract>

Reduced Carbohydrate Availability Enhances the Susceptibility of Arabidopsis toward Colletotrichum higginsianum

Timo Engelsdorf, Robin J. Horst, Reinhard Pröls, Marlene Pröschel, Franziska Dietz, Ralph Hückelhoven and Lars M. Voll

Source : Plant Physiology – 162(1): 225-238 - May 2013

Lien vers le résumé de cet article : <http://www.plantphysiol.org/content/162/1/225.short?rss=1>

Systemic acquired resistance in Cavendish banana induced by infection with an incompatible strain of Fusarium oxysporum f. sp. cubense

Yuanli Wu, Ganjun Yi, Xinxiang Peng, Bingzhi Huang, Ee Liu, Jianjun Zhang

Source : Journal of Plant Physiology - Available online 20 May 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S017616171300165X>

Divergent DNA-Binding Specificities of a Group of ETHYLENE RESPONSE FACTOR Transcription Factors Involved in Plant Defense

Tsubasa Shoji, Masaki Mishima and Takashi Hashimoto

Source : Plant Physiology – 162(2): 977-990 - June 2013

Lien vers le résumé de cet article : <http://www.plantphysiol.org/content/162/2/977.short?rss=1>

The Pseudomonas syringae Type III Effector AvrRpt2 Promotes Pathogen Virulence via Stimulating Arabidopsis Auxin/Indole Acetic Acid Protein Turnover

Fuhao Cui, Shujing Wu, Wenxian Sun, Gitta Coaker, Barbara Kunkel, Ping He and Libo Shan

Source : Plant Physiology – 162(2): 1018-1029 - June 2013

Lien vers le résumé de cet article : <http://www.plantphysiol.org/content/162/2/1018.short?rss=1>

Involvement of nitric oxide signal in Alternaria alternata toxin induced defense response in Rauvolfia serpentina Benth. ex Kurz calli

Namrata Shanu Gupta, Maitreyi Banerjee, Saikat Kumar Basu and Krishnendu Acharya

Source : POJ - 6(3): 157-164 – 2013

Lien vers cet article : http://www.pomics.com/acharya_6_3_2013_157_164.pdf

Induced Systemic Resistance and the Rhizosphere Microbiome

Peter A.H.M. Bakker, Rogier F. Doornbos, Christos Zamioudis, Roeland L. Berendsen and Corné M.J. Pieterse

Source : Plant Pathol. J. - 29(2): 136-143 – 2013

Lien vers le résumé de cet article : <http://testweb.science.uu.nl/pmi/publications/PDF/2013/PlantPatholJ-Bakker-2013.pdf>

Mechanism of plant-microbe interaction and its utilization in disease-resistance breeding for modern agriculture

Yan Li, Fu Huang, Yuangen Lu, Yi Shi, Min Zhang, Jing Fan, Wenming Wang,

Source : Physiological and Molecular Plant Pathology - Available online 16 May 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0885576513000301>

An integrated proteomic approach to decipher the effect of methyl jasmonate elicitation on the proteome of Silybum marianum L. hairy roots

Javad Gharechahi, Masumeh Khalili, Tahereh Hasanloo, Ghasem Hosseini

Source : Plant Physiology and Biochemistry - Available online 31 May 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0981942813002052>

System-Wide Hypersensitive Response-Associated Transcriptome and Metabolome Reprogramming in Tomato

Desalegn W. Etalo, Iris J.E. Stulemeijer, Peter H. van Esse, Ric C.H. de Vos, Harro J. Bouwmeester, Matthieu H.A.J. Joosten

Source : Plant physiology – 2013

Lien vers cet article : <http://www.plantphysiol.org/content/early/2013/05/29/pp.113.217471.full.pdf+html>

Receptor-like kinase SOBIR1/EVR interacts with receptor-like proteins in plant immunity against fungal infection

Thomas W. H. Liebrand, Grady C. M. van den Berg, Zhao Zhang, Patrick Smit, Jan H. G. Cordewener, Antione H. P. America, Jan Sklenar, Alexandra M. E. Jones, Wladimir I. L. Tameling, Silke Robatzek, Bart P. H. J. Thomma, and Matthieu H. A. J. Joosten

Source : PNAS - Published online before print May 28, 2013

Lien vers le résumé de cet article : <http://www.pnas.org/content/early/2013/05/22/1220015110.abstract>

Interaction of Medicago truncatula Lysin Motif Receptor-Like Kinases, NFP and LYK3, Produced in Nicotiana benthamiana Induces Defence-Like Responses

Anna Pietraszewska-Bogiel, Benoit Lefebvre, Maria A. Koini, Dörte Klaus-Heisen, Frank L. W. Takken, René Geurts, Julie V. Cullimore, Theodorus W.J. Gadella

Source : Plos One – 2013

Lien vers cet article : <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0065055>

Biochemical and physiological responses of oil palm to bud rot caused by Phytophthora palmivora

Andrés Leonardo Moreno-Chacón, Jhonatan Eduardo Camperos-Reyes, Rodrigo Andrés Ávila Diazgranados, Hernán Mauricio Romero

Source : Plant Physiology and Biochemistry - Available online 5 June 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0981942813002003>

Salicylic Acid Regulates Plasmodesmata Closure during Innate Immune Responses in Arabidopsis

Xu Wang, Ross Sager, Weier Cui, Chong Zhang, Hua Luand Jung-Youn Lee

Source : The plant-cell – 2013

Lien vers le résumé de cet article :

<http://www.plantcell.org/content/early/2013/06/06/tpc.113.110676.short?rss=1#aff-1>

Proteomics: A Successful Approach to Understand the Molecular Mechanism of Plant-Pathogen Interaction

Tushar Dilipchand Lodha, Padmalochan Hembram, Nitile Tep, Jolly Basak

Source : American Journal of Plant Sciences – 4: 1212-1226 - 2013

Lien vers cet article :

http://scholar.google.fr/scholar_url?hl=fr&q=http://www.scirp.org/journal/PaperDownload.aspx%3FpaperID%3D32899&sa=X&scisig=AAGBfm3WfoWKMfDfxrQVxyUgrO8n5TGq9Q&oi=scholaralrt

The Participation of salicylic and jasmonic acids in genetic and induced resistance of tomato to Meloidogyne incognita

S. V. Zinovieva, N. I. Vasyukova, Zh. V. Udalova, N. G. Gerasimova

Source : Biology Bulletin – 40(3): 297-303 - May 2013

Lien vers le résumé de cet article : <http://link.springer.com/content/pdf/10.1134/S1062359013030126.pdf>

Plants Know Where It Hurts: Root and Shoot Jasmonic Acid Induction Elicit Differential Responses in Brassica oleracea

Tom O.G. Tytgat, Koen J. F. Verhoeven, Jeroen J. Jansen, Ciska E. Raaijmakers, Tanja Bakx-Schotman, Lauren M. McIntyre, Wim H. van der Putten, Arjen Biere, Nicole M. van Dam

Source: Plos One – 2013

Lien vers cet article : <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0065502>

Increased resistance against citrus canker mediated by a citrus MAP kinase

Dr. Maria Luiza Peixoto de Oliveira, Mr. Caio Cesar Lima Silva, Marcio Gilberto Cardoso Costa, Dr. Raúl Andrés Cernadas, Dr. Celso Eduardo Benedetti

Source : MPMI – 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-04-13-0122-R>

Brassinosteroid enhances resistance to Fusarium diseases of barley

Dr. Shahin Ali, Dr. Sunil Kumar, Dr. fiona doohan, Dr. Mojibur Khan

Source : Phytopathology – 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO-05-13-0111-R>

Transient transcriptional regulation of the CYS-C1 gene and cyanide accumulation upon pathogen infection in the plant immune response

Irene García, Tábata Rosas, Eduardo Rodríguez Bejarano, Cecilia Gotor and Luis C. Romero

Source : Plant Physiology - Published online before print June 2013

Lien vers le résumé de cet article :

<http://www.plantphysiol.org/content/early/2013/06/19/pp.113.219436.short>

Pepper Arginine Decarboxylase Is Required for Polyamine and γ -Aminobutyric Acid Signaling in Cell Death and Defense Response

Nak Hyun Kim Dr., Beom Seok Kim Dr. and Byung Kook Hwang Dr.

Source : Plant Physiology – 2013

Lien vers cet article : <http://www.plantphysiol.org/content/early/2013/06/19/pp.113.217372.short>

An Sfp-Type PPTase and Associated Polyketide and Nonribosomal Peptide Synthases in Agrobacterium vitis Are Essential for Induction of Tobacco Hypersensitive Response and Grape Necrosis

Desen Zheng and Thomas J. Burr

Source : MPMI – 26(7): 812-822 - July 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-12-12-0295-R>

Nonhost Resistance of Arabidopsis thaliana Against Alternaria alternata Involves both Pre- and Postinvasive Defenses but Is Collapsed by AAL-Toxin in the Absence of LOH2

Mayumi Egusa, Takuya Miwa, Hironori Kaminaka, Yoshitaka Takano, and Motoichiro Kodama

Source : Phytopathology – 103(7): 733-740 - July 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO-08-12-0201-R>

The Xanthomonas campestris Type III Effector XopJ Targets the Host Cell Proteasome to Suppress Salicylic-Acid Mediated Plant Defence

Suayib Üstün, Verena Bartetzko, Frederik Börnke

Source : Plos Pathogens – 2013

Lien vers cet article : <http://www.plospathogens.org/article/info:doi/10.1371/journal.ppat.1003427>

Co-immunoprecipitation-based identification of putative BAX INHIBITOR-1-interacting proteins involved in cell death regulation and plant–powdery mildew interactions

Corina Weis, Sebastian Pfeilmeier, Erich Glawischnig, Erika Isono, Fiona Pachel, Hannes Hahne, Bernhard Kuster, Ruth Eichmann, Ralph Hüchelhoven

Source : Molecular Plant Pathology - Article first published online: 19 JUN 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/mpp.12050/abstract>

Phytophthora capsici-tomato interaction features dramatic shifts in gene expression associated with a hemi-biotrophic lifestyle

Julietta Jupe, Remco Stam, Andrew JM Howden, Jenny A Morris, Runxuan Zhang, Pete E Hedley and Edgar Huitema

Source: Genome Biology - 14: R63 – 2013

Lien vers article : <http://genomebiology.com/content/pdf/gb-2013-14-6-r63.pdf>

Recognition of bacterial plant pathogens: local, systemic and transgenerational immunity

Elizabeth Henry, Koste A. Yadeta, Gitta Coaker

Source : New Phytologist - Article first published online: 20 MAR 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/nph.12214/abstract>

The role of FaBG3 in fruit ripening and B. cinerea fungal infection of strawberry

Qian Li, Kai Ji, Yufei Sun, Hao Luo, Hongqing Wang, Ping Leng

Source : The Plant Journal - Accepted Article – 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/tpj.12272/abstract;jsessionid=3085306F98CCE612E1449A22EDD18982.d01t04>

Infection Structure–Specific Expression of β -1,3-Glucan Synthase Is Essential for Pathogenicity of Colletotrichum graminicola and Evasion of β -Glucan–Triggered Immunity in Maize

Ely Oliveira-Garcia and Holger B. Deising

Source : The Plant Cell June – 2013

Lien vers le résumé de cet article :

<http://www.plantcell.org/content/early/2013/06/27/tpc.112.103499.abstract>

The Receptor-Like Protein ReMAX of Arabidopsis Detects the Microbe-Associated Molecular Pattern eMax from Xanthomonas

Anna Kristina Jehle, Martin Lipschis, Markus Albert, Vahid Fallahzadeh-Mamaghani, Ursula Fürst, Katharina Mueller³ and Georg Felix

Source : The Plant Cell - June 2013

Lien vers le résumé de cet article :

<http://www.plantcell.org/content/early/2013/06/27/tpc.113.110833.abstract>

Abscisic Acid Promotes Susceptibility to the Rice Leaf Blight Pathogen Xanthomonas oryzae pv oryzae by Suppressing Salicylic Acid-Mediated Defenses

Jing Xu, Kris Audenaert, Monica Hofte, David De Vleeschauwe

Plos One – 2013

Lien vers cet article : <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0067413>

Glutamate Receptor-Like Channel3.3 Is Involved in Mediating Glutathione-Triggered Cytosolic Calcium Transients, Transcriptional Changes, and Innate Immunity Responses in Arabidopsis

Feng Li, Jing Wang, Chunli Ma, Yongxiu Zhao, Yingchun Wang, Agula Hasi

Source : Plant Physiol. – 2013

Lien vers cet article : <http://www.plantphysiol.org/content/162/3/1497.short?rss=1>

The Role of TIR-NBS and TIR-X Proteins in Plant Basal Defense Responses

Raja Sekhar Nandety, Jeffery L. Caplan, Keri Cavanaugh, Bertrand Perroud, Tadeusz Wroblewski, Richard W. Michelmore and Blake C.

Source : Plant Physiology – 162(3): 1459-1472 - July 2013

Lien vers cet article : <http://www.plantphysiol.org/content/162/3/1459.full>

Plant Immune Responses Against Viruses: How Does a Virus Cause Disease?

Kranthi K. Mandadi and Karen-Beth G. Scholthof

Source : The Plant Cell – 2013

Lien vers cet article : <http://www.plantcell.org/content/25/5/1489.short?rss=1>

Systemic signaling during plant defense

Aardra Kachroo, Guillaume P Robin

Source : Current Opinion in Plant Biology - Available online 16 July 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S1369526613001027>

Genetic and cellular mechanisms regulating plant responses to necrotrophic pathogens

Zhibing Lai, Tesfaye Mengiste

Source : Current Opinion in Plant Biology - Available online 13 July 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S1369526613000976>

Allelic variation in two distinct *Pseudomonas syringae* flagellin epitopes modulates the strength of plant immune responses but not bacterial motility

Christopher R. Clarke, Delphine Chinchilla, Sarah R. Hind, Fumiko Taguchi, Ryuji Miki, Yuki Ichinose, Gregory B. Martin, Scotland Leman, Georg Felix, Boris A. Vinatzer

Source: New Phytologist - Article first published online: 19 JUL 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/nph.12408/abstract;jsessionid=010AE440D05FBD82C6E67417AFC1BB59.d01t01>

RLP1.1, a novel wheat receptor-like protein gene, is involved in the defence response against *Puccinia striiformis* f. sp. tritici

Zhengning Jiang, Shuai Ge, Liping Xing, Dejun Han, Zhensheng Kang, Guoqin Zhang, Xiaojie Wang, Xiue Wang, Peidu Chen and Aizhong Cao

Source: J. Exp. Bot. – 2013

Lien vers le résumé de cet article :

<http://jxb.oxfordjournals.org/content/early/2013/07/22/jxb.ert206.short?rss=1>

Lipid metabolism is differentially modulated by salicylic acid and heptanoyl salicylic acid during the induction of resistance in wheat against powdery mildew

Christine Tayeh, Béatrice Randoux, Natacha Bourdon, Philippe Reignault

Source : Journal of Plant Physiology – Available online 20 July 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0176161713002721>

Mycorrhiza-induced resistance: more than the sum of its parts?

Duncan D. Cameron, Andrew L. Neal, Saskia C.M. van Wees, Jurriaan Ton

Source : Trends in Plant Science - Available online 18 July 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S1360138513001246>

The syntaxin SYP132 contributes to plant resistance against bacteria and secretion of pathogenesis-related protein 1

Monika Kalde, Thomas S. Nühse, Kim Findlay, and Scott C. Peck

Source : PNAS – 2013

Lien vers le résumé de cet article : <http://www.pnas.org/content/104/28/11850.full>

Volatile Organic Compound Mediated Interactions at the Plant-Microbe Interface

Robert R. Junker, Dorothea Tholl

Source: Journal of Chemical Ecology - July 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007/s10886-013-0325-9>

Hormone defense networking in rice: tales from a different world

David De Vleeschauwer, Godelieve Gheysen, Monica Höfte

Source : Trends in Plant Science - Available online 30 July 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S1360138513001295>

The Chinese wild grapevine (*Vitis pseudoreticulata*) E3 ubiquitin ligase *Erysiphe necator*-induced RING finger protein 1 (EIRP1) activates plant defense responses by inducing proteolysis of the VpWRKY11 transcription factor

Yihe Yu, Weirong Xu, Jie Wang, Lei Wang, Wenkong Yao, Yazhou Yang, Yan Xu, Fuli Ma, Yangjian Du, Yuejin Wang

Source : New Phytologist - Online Version of Record published before inclusion in an issue – 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/nph.12418/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false>

A Replicase of Potato virus X Acts as the Resistance-Breaking Determinant for JAX1-Mediated Resistance

Kyoko Sugawara, Takuya Shiraiishi, Tetsuya Yoshida, Naoko Fujita, Osamu Netsu, Yasuyuki Yamaji, and Shigetou Namba

Source : MPMI – 26(9): 1106-1112 - September 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-04-13-0094-R>

Arabidopsis thaliana FLOWERING LOCUS D Is Required for Systemic Acquired Resistance

Vijayata Singh, Shweta Roy, Mrunmay Kumar Giri, Ratnesh Chaturvedi, Zulkarnain Chowdhury, Jyoti Shah and Ashis Kumar Nandi

Source : MPMI – 26(9): 1079-1088 - September 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-04-13-0096-R>

The immunity regulator BAK1 contributes to resistance against diverse RNA viruses

Miss Camilla Julie Kørner, Dr. Dominik Klauser, Dr. Annette Niehl, Dr. Ana Domínguez-Ferreras, Dr. Delphine Chinchilla, Prof. Thomas Boller, Dr. Manfred Heinlein, Dr. Dagmar Hann

Source : MPMI - Accepted for publication – 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-06-13-0179-R>

Identification of Genes Involved in the Response of Arabidopsis to Simultaneous Biotic and Abiotic Stresses

Nicky J. Atkinson, Catherine J. Lilley and Peter E. Urwin

Source : Plant Physiology - Published online before print June 2013

Lien vers le résumé de cet article : <http://www.plantphysiol.org/content/162/4/2028.short?rss=1>

Global gene expression of rhizobacteria-silicon mediated induced systemic resistance in tomato (*Solanum lycopersicum*) against *Ralstonia solanacearum*

Henok Kurabachew, Frank Stahl, Kerstin Wydra

Source : Physiological and Molecular Plant Pathology – 84: 44–52 - October 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0885576513000386>

Jasmonate-induction of the monoterpene linalool confers resistance to rice bacterial blight and its biosynthesis is regulated by JAZ protein in rice

SHIDUKU TANIGUCHI, YUMI HOSOKAWA-SHINONAGA, DAISUKE TAMAOKI, SHOKO YAMADA, KAZUYA AKIMITSU, KENJI GOMI

Source : Plant, Cell & Environment - Accepted article - 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/pce.12169/abstract>

LIFEGUARD proteins support plant colonization by biotrophic powdery mildew fungi

Corina Weis, Ralph Hüchelhoven and Ruth Eichmann

Source : J. Exp. Bot. (2013)

Lien vers le résumé de cet article :

<http://jxb.oxfordjournals.org/content/early/2013/07/24/jxb.ert217.short?rss=1>

Metabolic Survey of Defense Responses to a Compatible Hemibiotroph, *Phytophthora parasitica* var. *nicotianae*, in Ethylene Signaling-Impaired Tobacco

Kyoungwon Cho, Yuran Kim, Soo jin Wi, Jong Bok Seo, Joseph Kwon, Joo Hee Chung, Ky Young Park, and Myung Hee Nam

Source : J. Agric. Food Chem. – 2013

Lien vers le résumé de cet article : <http://pubs.acs.org/doi/abs/10.1021/jf401785w>

Purple Acid Phosphatase5 is required for maintaining basal resistance against *Pseudomonas syringae* in *Arabidopsis*

Sridhar Ravichandran, Sophia L Stone, Bernhard Benkel and Balakrishnan Prithiviraj

Source : BMC Plant Biology 2013

Lien vers le résumé de cet article : <http://www.biomedcentral.com/1471-2229/13/107/abstract>

Do strigolactones contribute to plant defence?

Rocío Torres-Vera, Juan M. García, María J. Pozo, Juan A. López-Ráez

Source : Molecular Plant Pathology - Accepted Article – 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/mpp.12074/abstract;jsessionid=48A55F1AD135D3FE5BE4A3012236B763.d04t03>

Salicylic acid-dependent and –independent impact of an RNA-binding protein on plant immunity

CHRISTIAN HACKMANN, CHRISTIN KORNELI, MAGDALENE KUTYNIOK, TINO KÖSTER, MATTHIAS WIEDENLÜBBERT, CAROLINE MÜLLER, DOROTHEE STAIGER

Source : Plant, Cell & Environment - Accepted Article – 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/pce.12188/abstract>

Induction and Maintenance of Systemic Acquired Resistance by Acibenzolar-S-Methyl in Three Cultivated Tobacco Types

V. Parkunan and C. S. Johnson, L. Xu and Y. Peng, S. A. Tolin and J. D. Eisenback

Source : Plant Disease - 97(9): 1221-1226 - September 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/PDIS-07-11-0618-RE>

Pivoting the Plant Immune System from Dissection to Deployment

Jeffery L. Dangl, Diana M. Horvath, Brian J. Staskawicz

Source : Science – 341(6147): 746-751 - 16 August 2013

Lien vers le résumé de cet article : <http://www.sciencemag.org/content/341/6147/746.short>

Modified N-acyl-homoserine lactones as chemical probes for the elucidation of plant-microbe interactions

Heike Thomanek, Sebastian T. Schenk, Elke Stein, Karl Heinz Kogel, Adam Schikora and Wolfgang Maison

Source : Org. Biomol. Chem. - 2013

Lien vers le résumé de cet article : <http://pubs.rsc.org/en/content/articlelanding/2013/ob/c3ob41215f>

Do strigolactones contribute to plant defence?

Rocío Torres-Vera, Juan M. García*, María J. Pozo, Juan A. López-Ráez

Source : Molecular Plant Pathology - Accepted Article 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/mpp.12074/abstract>

A novel role of PR2 in abscisic acid (ABA) mediated, pathogen-induced callose deposition in Arabidopsis thaliana

Shinichi Oide, Sarosh Bejai, Jens Staal, Na Guan, Maria Kaliff, Christina Dixelius

Source : New Phytologist - Early View – 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/nph.12436/abstract?systemMessage=Wiley+Online+Library+will+be+disrupted+on+31+August+from+10%3A00-12%3A00+BST+%2805%3A00-07%3A00+EDT%29+for+essential+maintenance&userIsAuthenticated=false&deniedAccessCustomisedMessage>
≡

Xanthomonas Filamentous Hemagglutinin-like Protein Fha1 Interacts with Pepper Hypersensitive Induced Reaction Protein CaHIR1 and Functions as a Virulence Factor in Host Plants

Mr. Hyong Woo Choi, Dr. Dae Sung Kim, Mr. Nak Hyun Kim, Prof. Ho Won Jung, Dr. Jong Hyun Ham, Dr. Byung Kook Hwang

Source : MPMI – 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-07-13-0204-R>

Jasmonic and salicylic acid-induced resistance in sorghum against the stem borer Chilo partellus

Barkat Hussain, Abdul Rashid War, Hari Chand Sharma

Source : Phytoparasitica - August 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007/s12600-013-0343-8>

The Tomato Calcium Sensor Cbl10 and Its Interacting Protein Kinase Cipk6 Define a Signaling Pathway in Plant Immunity

Fernando de la Torre, Emilio Gutiérrez-Beltrán, Yolanda Pareja-Jaime, Suma Chakravarthy, Gregory B. Martin and Olga del Pozo

Source : The Plant Cell - July 2013

Lien vers le résumé de cet article :

<http://www.plantcell.org/content/early/2013/07/30/tpc.113.113530.abstract>

Root border cells and secretions as critical elements in plant host defense

Azeddine Driouich, Marie-Laure Follet-Gueye, Maïté Vicro-Gibouin, Martha Hawes

Source : Current Opinion in Plant Biology – 16(4): 489–495 - August 2013

Lien vers le résumé de cet article :

<http://www.sciencedirect.com/science/article/pii/S1369526613000939?np=y>

Host-related metabolic cues affect colonization strategies of a root endophyte

Urs Lahrmann, Yi Ding, Aline Banhara, Magnus Rath, Mohammad R. Hajirezaei, Stefanie Döhlemann, Nicolaus von Wirén, Martin Parniske, and Alga Zuccaro

Source : PNAS - Published online before print August 5, 2013

Lien vers le résumé de cet article : <http://www.pnas.org/content/early/2013/08/02/1301653110.abstract>

Sugar Homeostasis Mediated by Cell Wall Invertase GIF1 Plays a Role in Preexisted and Induced Defense in Rice

Li Sun, Yu Kong, Donglei Yang, Ying Chen, Xiao-Zun Li, Long-Jun Zeng, Qun Li, Er-Tao Wang, Zu-Hua He

Source: Molecular Plant Pathology - Accepted Article - 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/mpp.12078/abstract;jsessionid=3AE87652713742F2EE9AF72E343A9BB9.d01t04>

Interaction between two rice mitogen activated protein kinases and its possible role in plant defense

Arsheed H Sheikh, Badmi Raghuram, Siddhi K Jalmi, Dhammaprakash P Wankhede, Pallavi Singh and Alok K Sinha

Source : BMC Plant Biology - 13: 121 – 2013

Lien vers cet article : <http://www.biomedcentral.com/content/pdf/1471-2229-13-121.pdf>

Arabidopsis Golden2-like transcription factors (GLK) activate JA-dependent disease susceptibility against the biotrophic pathogen *Hyaloperonospora arabidopsidis* as well as JA-independent plant immunity against the necrotrophic pathogen *Botrytis cinerea*

Jhadeswar Murmu, Michael Wilton, Ghislaine Allard, Radhey Pandeya, Darrell Desveaux, Jas Singh, Rajagopal Subramaniam

Source : Molecular Plant Pathology - Accepted Article – 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/mpp.12077/abstract>

The Secreted Antifungal Protein Thionin 2.4 in *Arabidopsis thaliana* Suppresses the Toxicity of a Fungal Fruit Body Lectin from *Fusarium graminearum*

Tomoya Asano, Akihiro Miwa, Kazuyuki Maeda, Makoto Kimura, Takumi Nishiuchi

Source : Plos Pathogens - 2013

Lien vers cet article : <http://www.plospathogens.org/article/info:doi/10.1371/journal.ppat.1003581>

Peptides as triggers of plant defence

Markus Albert

Source : J. Exp. Bot. - First published online: September 7, 2013

Lien vers le résumé de cet article :

<http://jxb.oxfordjournals.org/content/early/2013/09/06/jxb.ert275.short?rss=1>

Ralstonia solanacearum* type III secretion system effector Rip36 induces hypersensitive response in the nonhost wild eggplant *Solanum torvum

Kamrun Nahar, Iyo Matsumoto, Fumiko Taguchi, Yoshishige Inagaki, Mikihiro Yamamoto, Kazuhiro Toyoda, Tomonori Shiraishi, Yuki Ichinose, Takafumi Mukaihara

Source : Molecular Plant Pathology - Accepted Article – 2013

Lien vers cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/mpp.12079/abstract;jsessionid=F74809CD46FA426E76DA2D1A1603EF8B.d04t01>

Austrian pine phenolics are likely contributors to systemic induced resistance against *Diplodia pinea*

Patrick Sherwood and Pierluigi Bonello

Source : Tree Physiology – 33(8): 845-854 – 2013

Lien vers le résumé de cet article : <http://treephys.oxfordjournals.org/content/33/8/845.short>

Salicylic acid-mediated establishment of the compatibility between *Alternaria brassicicola* and *Brassica juncea* is mitigated by abscisic acid in *Sinapis alba*

Mrinmoy Mazumder, Upala Saha, Madhuvanti Chatterjee, Kaushik Bannerjee, Debabrata Basu

Source : Plant Physiology and Biochemistry – 70: 43–51 - September 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0981942813001654>

Involvement of the Lipoxygenase Pathway in the Systemic Resistance Induced by Plant Growth-Promoting Rhizobacteria in Tomato

Mariutto, Martin

Source : Université de Liège - Doctorat en sciences - Date de soutenance : 2013-06-19

Lien vers le résumé de cette thèse : <http://bictel.ulg.ac.be/ETD-db/collection/available/ULgetd-06162013-224441/>

Plant immune response to pathogens differs with changing temperatures

Cheng Cheng, Xiquan Gao, Baomin Feng, Jen Sheen, Libo Shan & Ping He

Source : Nature Communications 4, Article number: 2530 – 2013

[Lien vers le résumé de cet article](#)

Modulation of plant immunity by light, circadian rhythm, and temperature

Jian Hua

Source : Current Opinion in Plant Biology – 16(4): 406–413 - August 2013

[Lien vers le résumé de cet article](#)

Arabidopsis Clade I TGA Factors Regulate Apoplastic Defences against the Bacterial Pathogen *Pseudomonas syringae* through Endoplasmic Reticulum-Based Processes

Lipu Wang, Pierre R. Fobert

Source : Plos One – 2013

[Lien vers cet article](#)

Jasmonate ZIM-Domain (JAZ) Protein Regulates Host and Nonhost Pathogen-Induced Cell Death in Tomato and *Nicotiana benthamiana*

Yasuhiro Ishiga, Takako Ishiga, Srinivasa Rao Uppalapati, Kirankumar S. Mysore

Source : Plos One – 2013

Lien vers cet article : <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0075728>

Susceptibility to plant disease: more than a failure of host immunity

Dmitry Lapin and Guido Van den Ackerveken

Source : Trends in Plant Science, Volume 18, Issue 10, 546-554, 19 June 2013

Lien vers le résumé de cet article : [http://www.cell.com/trends/plant-science/abstract/S1360-1385\(13\)00106-4?switch=standard](http://www.cell.com/trends/plant-science/abstract/S1360-1385(13)00106-4?switch=standard)

The rare sugar D-allose acts as a triggering molecule of rice defence via ROS generation

Akihito Kano, Takeshi Fukumoto, Kouhei Ohtani, Akihide Yoshihara, Toshiaki Ohara, Shigeyuki Tajima, Ken Izumori, Keiji Tanaka, Takeo Ohkouchi, Yutaka Ishida, Yoko Nishizawa, Kazuya Ichimura, Yasuomi Tada, Kenji Gomi and Kazuya Akimitsu

Source : J. Exp. Bot. - First published online: September 7, 2013

Lien vers cet article : <http://jxb.oxfordjournals.org/content/early/2013/09/06/jxb.ert282.full>

Perception of soft mechanical stress in *Arabidopsis* leaves activates disease resistance

Lehcen Benikhlef, Floriane L'Haridon, Eliane Abou-Mansour, Mario Serrano, Matteo Binda, Alex Costa, Silke Lehmann and Jean-Pierre Métraux

Source : BMC Plant Biology – 2013

Lien vers le résumé de cet article : <http://www.biomedcentral.com/1471-2229/13/133/abstract#>

Death Be Not Proud—Cell Death Control in Plant Fungal Interactions

Martin B. Dickman, Paul de Figueiredo

Source : Plos Pathogens – 2013

Lien vers cet article : <http://www.plospathogens.org/article/info:doi/10.1371/journal.ppat.1003542>

A Faster and a Stronger Defense Response: One of the Key Elements in Grapevine Explaining Its Lower Level of Susceptibility to Esca?

Carole Lambert, Ian Li Kim Khiook, Sylvia Lucas, Nadège Téléf-Micouleau, Jean-Michel Mérillon, and Stéphanie Cluzet

Source : Phytopathology – 103(10): 1028-1034 - October 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO-11-12-0305-R>

Glyceollin is an Important Component of Soybean Plant Defense Against Phytophthora sojae and Macrophomina phaseolina

Anatoliy V. Lygin, Olga V. Zernova, Curtis B. Hill, Nadeжда A. Kholina, Jack M. Widholm, Glen L. Hartman, and Vera V. Lozovaya

Source : Phytopathology – 103(10): 984-994 - October 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO-12-12-0328-R>

Manipulation of methyl jasmonate esterase activity renders tomato more susceptible to Sclerotinia sclerotiorum

Simone Findling A , Agnes Fekete A , Heribert Warzecha B , Markus Krischke A , Hendrik Brandt A , Ernst Blume A , Martin J. Mueller A and Susanne Berger

Source : Functional Plant Biology - Published online: 20 September 2013

Lien vers le résumé de cet article : <http://www.publish.csiro.au/paper/FP13103.htm>

Double-Stranded RNA-Binding Protein 4 Is Required for Resistance Signaling against Viral and Bacterial Pathogens

Shifeng Zhu, Rae-Dong Jeong, Gah-Hyun Lim, Keshun Yu, Caixia Wang, A.C. Chandra-Shekara, Duroy Navarre, Daniel F. Klessig, Aardra Kachroo, Pradeep Kachroo

Source: Cell Reports - 4(6): 1168-1184 - 19 September 2013

Lien vers le résumé de cet article :

<http://www.cell.com/cell-reports/retrieve/pii/S2211124713004592?returnURL=http://linkinghub.elsevier.com/retrieve/pii/S2211124713004592?showall=true>

Sugar homeostasis mediated by cell wall invertase GRAIN INCOMPLETE FILLING 1 (GIF1) plays a role in pre-existing and induced defence in rice

Li Sun, Dong-lei Yang, Yu Kong, Ying Chen, Xiao-Zun Li, Long-Jun Zeng, Qun Li, Er-Tao Wang, Zu-Hua He

Source : Molecular Plant Pathology - Early View 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/mpp.12078/abstract>

The pepper cysteine/histidine-rich DC1 domain protein CaDC1 binds both RNA and DNA and is required for plant cell death and defense response

In Sun Hwang, Du Seok Choi, Nak Hyun Kim, Dae Sung Kim, Byung Kook Hwang

Source : New Phytologist – 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/nph.12521/abstract;jsessionid=633A6C42055D41FDB20633DAE88FF426.f03t04>

2.1.2 Interactions plante-ravageur

Nicotiana attenuata MPK4 suppresses a novel jasmonic acid (JA) signaling-independent defense pathway against the specialist insect Manduca sexta, but is not required for the resistance to the generalist Spodoptera littoralis

Christian Hettenhausen, Ian T. Baldwin, Jianqiang Wu

Source : New Phytologist - Article first published online: 15 MAY 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/nph.12312/abstract>

Tobacco MAP Kinase Phosphatase (NtMKP1) Negatively Regulates Wound Response and Induced Resistance Against Necrotrophic Pathogens and Lepidopteran Herbivores

Kumiko Oka, Yuta Amano, Shinpei Katou, Shigemi Seo, Kei Kawazu, Atsushi Mochizuki, Kazuyuki Kuchitsu and Ichiro Mitsuhashi

Source : MPMI – 26(6): 668-675 - June 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-11-12-0272-R>

Three-way interactions between plants, microbes and insects

Arjen Biere, Alison E. Bennett

Source : Functional Ecology - Special Issue: Plant–Microbe–Insect Interactions – 27(3): 567–573 - June 2013

Lien vers cet article : <http://onlinelibrary.wiley.com/doi/10.1111/1365-2435.12100/full>

Response of rice to insect elicitors and the role of OsJAR1 in wound and herbivory-induced JA-Ile accumulation

Kaori Fukumoto, Kabir Md Alamgir, Yuko Yamashita, Izumi C. Mori, Hideyuki Matsuura, Ivan Galis

Source : Journal of Integrative Plant Biology - Accepted Article – 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/jipb.12057/abstract>

Understanding plant defence responses against herbivore attacks: an essential first step towards the development of sustainable resistance against pests

M. Estrella Santamaria, Manuel Martínez, Inés Cambra, Vojislava Grbic, Isabel Diaz

Source : Transgenic Research - June 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007/s11248-013-9725-4>

Spatiotemporal patterns of induced resistance and susceptibility linking diverse plant parasites

Raphaëlle Mouttet, Ian Kaplan, Philippe Bearez, Edwige Amiens-Desneux, Nicolas Desneux

Source : Oecologia - July 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007/s00442-013-2716-6>

The HERBIVORE ELICITOR-REGULATED1 Gene Enhances Abscisic Acid Levels and Defenses against Herbivores in Nicotiana attenuata Plants

Son Truong Dinh, Ian T. Baldwin and Ivan Galis

Source : Plant Physiology – 162(4): 2106-2124 - August 2013

Lien vers cet article : <http://www.plantphysiol.org/content/162/4/2106.full>

Communication between plants: induced resistance in poplar seedlings following herbivore infestation, mechanical wounding, and volatile treatment of the neighbors

Fang Tang, Wen-Liang Zhao, Xi-Wu Gao

Source : Entomologia Experimentalis et Applicata - Early View 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/eea.12114/abstract;jsessionid=641F4F3CE1733B75BBACB2A2613F9050.d02t02?deniedAccessCustomisedMessage=&userIsAuthenticated=false>

Mutational analysis of the Verticillium dahliae protein elicitor PevD1 identifies distinctive regions responsible for hypersensitive response and systemic acquired resistance in tobacco

Wenxian Liu, Hongmei Zeng, Zhipeng Liu, Xiufen Yang, Lihua Guo, Dewen Qiu

Source : Microbiological Research - Available online 27 September 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0944501313001262>

Herbivore exploits orally secreted bacteria to suppress plant defenses.

Chung SH, Rosa C, Scully ED, Peiffer M, Tooker JF, Hoover K, Luthe DS, Felton GW.

Source : Proc Natl Acad Sci U S A. - 110(39):15728-3320 - 13 Sep 24

Lien vers le résumé de cet article : <http://www.ncbi.nlm.nih.gov/pubmed/24019469?dopt=Abstract>

Aphid honeydew alters plant defense responses

Ezra G. Schwartzberg, James H. Tumlinson

Source : Functional Ecology - Accepted Article 2013

Lien vers cet article : <http://onlinelibrary.wiley.com/doi/10.1111/1365-2435.12182/abstract>

SDP et mode d'action

Riboflavin (Vitamin B2) induces defence responses and resistance to Plasmopara viticola in grapevine

H. Boubakri, J. Chong, A. Poutaraud, C. Schmitt, C. Bertsch, A. Mliki, J. E. Masson, I. Soustre-Gacougnolle

Source : European Journal of Plant Pathology - May 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007/s10658-013-0211-x>

Activation of tomato plant defence responses against bacterial wilt caused by Ralstonia solanacearum using DL-3-aminobutyric acid (BABA)

Moahmed A. E. Hassan, Kamal A. M. Abo-Elyousr

Source : European Journal of Plant Pathology – 136(1): 145-157 - May 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007%2Fs10658-012-0149-4>

Chitosan Oligosaccharides–Triggered Innate Immunity Contributes to Oilseed Rape Resistance against Sclerotinia Sclerotiorum

Heng Yin, Yan Li, Hong-Yan Zhang, Wen-Xia Wang, Hang Lu, Kai Grevsen, Xiaoming Zhao, and Yuguang Du

Source : International Journal of Plant Sciences – 174(4) : 722-732 - May 2013

Lien vers le résumé de cet article :

<http://www.jstor.org/discover/10.1086/669721?uid=3738016&uid=2134&uid=2&uid=70&uid=4&sid=21101946038233>

One shot-two pathogens blocked: Exposure of Arabidopsis to hexadecane, a long chain volatile organic compound, confers induced resistance against both Pectobacterium carotovorum and Pseudomonas syringae

Hyo Bee Park, Boyoung Lee, Joseph W. Kloepper and Choong-Min Ryu

Source : Plant Signaling & Behavior – 8(7) - July 2013

Lien vers le résumé de cet article : <http://www.landesbioscience.com/journals/psb/article/24619/>

Activation of defence responses to Phytophthora infestans in potato by BABA

T. Bengtsson, A. Holfors, J. Witzell, E. Andreasson, E. Liljeroth

Source : Plant Pathology - Article first published online: 16 MAY 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/ppa.12069/abstract;jsessionid=34B066A9B941A47A4431A406ECA785B6.d02t04>

Application of acetyl salicylic acid and chemically different chitosans against storage carrot rot

Mohammad Reza Ojaghian, Abdlwareth A. Almoneafy, Zhou qi Cui, Guan-Lin Xie, , Jingze Zhang, Changlin Shang, Bin Li

Source : Postharvest Biology and Technology – 84: 51–60 - October 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0925521413001221>

Sugar beet extract induces defence against Phytophthora infestans in potato plants

Laith Ibrahim Moushib, Johanna Witzell, Marit Lenman, Erland Liljeroth, Erik Andreasson

Source : European Journal of Plant Pathology – 136(2): 261-271 - June 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007%2Fs10658-012-0160-9>

Cell Wall Components of *Leptosphaeria maculans* Enhance Resistance of *Brassica napus* - Journal of Agricultural and Food Chemistry

Phuong Dinh Kim, Vladimír Šašek, Lenka Burketová, Jana Čopíková, Andriy Synytsya, Barbora Jindřichová and Olga Valentová

Source : J. Agric. Food Chem. - May 2, 2013

Lien vers le résumé de cet article : <http://pubs.acs.org/doi/abs/10.1021/jf401221v>

Oxidative and Molecular Responses in *Capsicum annum* L. after Hydrogen Peroxide, Salicylic Acid and Chitosan Foliar Applications

Laura Mejía-Teniente, Flor de Dalia Durán-Flores, Angela María Chapa-Oliver, Irineo Torres-Pacheco, Andrés Cruz-Hernández, Mario M. González-Chavira, Rosalía V. Ocampo-Velázquez and Ramón G. Guevara-González

Source : Int. J. Mol. Sci. – 14: 10178-10196 – 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/ppa.12069/abstract;jsessionid=A41FFC8D5A8DF51F307CDBE7489E107F.d03t04?deniedAccessCustomisedMessage=&userIsAuthenticated=false>

Hydroxyproline-rich glycopeptide signals in potato elicit signalling associated with defense against insects and pathogens

Ramcharan Bhattacharya, Murali krishna Koramutla, Manisha Negi, Gregory Pearce, Clarence A. Ryan

Source : Plant Science – 207: 88–97 - June 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0168945213000587>

Beneficial microbes in a changing environment: are they always helping plants to deal with insects?

Ana Pineda, Marcel Dicke, Corné M.J. Pieterse, María J. Pozo

Source : Functional Ecology - Special Issue: Plant–Microbe–Insect Interactions – 27(3) : 574–586 - June 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/1365-2435.12050/full>

Host-specific salivary elicitor(s) of European corn borer induce defenses in tomato and maize

Joe Louis, Michelle Peiffer, Swayamjit Ray, Dawn S. Luthe, Gary W. Felton

Source : New Phytologist – 199(1): 66–73 - July 2013

Lien vers cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/nph.12308/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false>

Plant Defence Activators

P. Parvatha Reddy

Source : Recent advances in crop protection - 121-129 – 2013

Lien vers le résumé de cet article : http://link.springer.com/chapter/10.1007/978-81-322-0723-8_9

Elicitors as alternative strategy to pesticides in grapevine? Current knowledge on their mode of action from controlled conditions to vineyard

Bertrand Delaunoy, Giovanni Farace, Philippe Jeandet, Christophe Clément, Fabienne Baillieux, Stéphan Dorey, Sylvain Cordelier

Source : Environmental Science and Pollution Research - May 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007/s11356-013-1841-4>

Lipopolysaccharides elicit an oxidative burst as a component of the innate immune system in the seagrass *Thalassia testudinum*

Kyle Loucks, David Waddell, Cliff Ross

Source : Plant Physiology and Biochemistry – 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0981942813001976>

Integrating plant defense inducing chemical, inorganic salt and hot water treatments for the management of postharvest mango anthracnose

Yilma Dessalegn, Amare Ayalew, Kebede Woldetsadik

Source : Postharvest Biology and Technology – 85: 83–88 - November 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0925521413001452>

β -Aminobutyric Acid Primed Expression of WRKY and Defence Genes in Brassica carinata Against Alternaria Blight

Vinodkumar Chavan, Avinash Kamble

Source : Journal of Phytopathology - Article first published online: 14 JUN 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/jph.12132/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false>

Effect of Salicylic Acid on Pear Leaf Induced Resistance to Pear Ring Rot

Lijuan Gao and Yuxing Zhang

Source : World Applied Sciences Journal - 22 (11): 1534-1539 – 2013

Lien vers cet article : [http://www.idosi.org/wasj/wasj22\(11\)13/1.pdf](http://www.idosi.org/wasj/wasj22(11)13/1.pdf)

Changes in activities of protective enzymes in green poplar induced by exogenous jasmonic acid and the effects on larval development of the gypsy moth, *Lymantria dispar* (Lepidoptera: Lymantriidae).

Yue HuiFang; Duan LiQing; Li HaiPing; Zhang LiNa; Wang XiaoLi; Zhang ZhiLin

Source : Acta Entomologica Sinica – 56(3): 270-275 – 2013

Lien vers le résumé de cet article : <http://www.cabdirect.org/abstracts/20133195509.html>

COS-OGA, a new oligosaccharidic elicitor that induces protection against a wide range of plant pathogens

Géraldine van Aubel, Raffael Buonatesta, Pierre Van Cutsem

Source : Induced resistance in plants against insects and diseases - IOBC-WPRS Bulletin – 89: 403-407 – 2013

Lien vers cet article : <http://www.fytofend.com/uploads/Colloque%20IOBC%20Avignon.pdf>

A combined oligochitosan and oligopeptin elicitor triggers plant defense and confers protection against a wide range of plant pathogens

Géraldine van Aubel, Raffaele Buonatesta2, Pierre van Cutsem

Source : Biological Control of Fungal and Bacterial Plant Pathogens - IOBC-WPRS Bulletin – 86: 153-159 – 2013

Lien vers cet article : <http://www.fytofend.com/uploads/Colloque%20Gand.pdf>

Priming of Anti-Herbivore Defense in Tomato by Arbuscular Mycorrhizal Fungus and Involvement of the Jasmonate Pathway

Yuan Yuan Song, Mao Ye, Chuan You Li, Rui Long Wang, Xiao Chen Wei, Shi Ming Luo, Ren Sen Zeng

Source : Journal of Chemical Ecology - June 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007/s10886-013-0312-1>

Normoergic NO-dependant changes, triggered by a SAR inducer in potato, create more potent defense responses to *Phytophthora infestans*

Łukasz Janus, Grzegorz Milczarek, Magdalena Arasimowicz-Jelonek, Dariusz Abramowski, Hanna Billert, Jolanta Floryszak-Wieczorek

Source : Plant Science - Available online 21 June 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0168945213001441>

Induction of Systemic Resistance in Sugar-Beet Infected with *Meloidogyne incognita* by Humic Acid, Hydrogen Peroxide, Thiamine and two amino acids

Dina, S. S. Ibrahim, A.H, Nour El-Deen, A. E. Khalil and Fatma A. M. Mostafa

Source : <http://kenanaonline.com>

Lien vers cet article :

http://scholar.google.fr/scholar_url?hl=fr&q=http://kenanaonline.com/files/0068/68853/%25D8%25A8%25D8%25AD%25D8%25AB%2520%25D8%25AF%25D9%258A%25D9%2586%25D8%25A7%2520%25D9%2588%25D8%25AF.%2520%25D8%25A7%25D8%25B4%25D8%25B1%25D9%2581.doc&sa=X&scisig=AAGBfm3vtJsq0pHwOgK9TFyhj3U3Kalt1Q&oi=scholaralrt

Characterization of resistance mechanisms activated by *Trichoderma harzianum* T39 and benzothiadiazole to downy mildew in different grapevine cultivars - Banani - 2013 - Plant Pathology - Wiley Online Library

H. Banani, B. Roatti, B. Ezzahi, O. Giovannini, G. Gessler, I. Pertot, M. Perazzolli

Source : Plant Pathology - Article first published online: 3 JUL 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/ppa.12089/abstract;jsessionid=471A36EB86A61481396389A4D36EBE9F.d02t03>

Clonostachys rosea confers suppression of clubroot on canola via antibiosis and induced host resistance

Rachid Lahlali, Gary Peng

Source : Plant Pathology - Accepted Article – 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/ppa.12112/abstract;jsessionid=35E25407CEBA5C5478DF25C093E92B50.d03t01>

Methionine elicits H₂O₂ generation and defense gene expression in grapevine and reduces Plasmopara viticola infection

Hatem Boubakri, Mohamed Ali Waha, Julie Chong, Claude Gertz, Samia Gandour, Ahmed Mliki, Christophe Bertsch, Isabelle Soustre-Gacougnolle

Source : Journal of Plant Physiology - Available online 13 July 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0176161713002484>

Silicon Alters the Antioxidant Metabolism of Wheat Leaves Infected by Pyricularia oryzae

Daniel Debona, Fabrício Ávila Rodrigues, Jonas Alberto Rios, Kelly Juliane Telles Nascimento, Leandro Castro Silva

Source: Plant Pathology - Accepted Article – 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/ppa.12119/abstract>

Molecular mechanism of Trichoderma as bio-control agents against phytopathogen system – a review

Harsukh Gajera, Rinkal Domadiya, Sunil Patel, Mansukh Kapopara, Balubhai Golakiya

Source : Current Research in Microbiology and Biotechnology – 1(4): 133-142 – 2013

Lien vers cet article : <http://crmb.aizeonpublishers.net/content/2013/4/crmb133-142.pdf>

Cultivar-specific and ulvan-induced resistance of apple plants to Glomerella leaf spot are associated with enhanced activity of peroxidases

Leonardo Araujo and Marciel João Stadnik

Source : Acta Scientiarum. Agronomy – Maringá – 35(3): 287-293 - July-Sept., 2013

Lien vers cet article :

http://scholar.google.fr/scholar_url?hl=fr&q=http://eduem.uem.br/ojs/index.php/ActaSciAgron/article/download/16174/pdf&sa=X&scisig=AAGBfm1jW5p48hLpbLOm9z-mVQejKGmIpQ&oi=scholaralrt

Abiotic stresses affect Trichoderma harzianum T39-induced resistance to downy mildew in grapevine.

Miss Benedetta Roatti, Dr. Michele Perazzolli, Prof. Cesare Gessler, Dr. Ilaria Pertot

Source : Phytopathology - Accepted for publication – 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/PHTO-02-13-0040-R>

Perspectives for the management of phytoplasma diseases through induced resistance: what can we expect from resistance inducers?

Romanazzi Gianfranco

Source : Phytopathogenic Mollicutes – 3(1): 60-62 – 2013

Lien vers le résumé de cet article :

<http://www.indianjournals.com/ijor.aspx?target=ijor:mollicutes&volume=3&issue=1&article=014>

Foliar Application of Benzothiadiazole and Salicylic Acid to Combat Sheath Blight Disease of Rice

Neerja SOOD, B. S. SOHAL, J. S. LORE

Source : Rice Science - 20(5) - 2013

Lien vers cet article :

http://scholar.google.fr/scholar_url?hl=fr&q=http://www.ricescience.org/CN/article/downloadArticleFile.do%3FattachType%3DPDF%26id%3D9588&sa=X&scisig=AAGBfm1G1_gH2LIPW6uXCEtANpucGZMbwQ&oi=scholaralrt

Evidence for the production and accumulation of Phytoalexins in the cotyledons of selected legumes

T.K. Tenguey, A.W. Kena, C. Kwoeh, R. Akromah

Source : International journal, of plant Pathology - 2013

Lien vers cet article : <http://docsdrive.com/pdfs/knowledge/ijpp/0000/54905-54905.pdf>

Reduction of photosynthetic sensitivity in response to abiotic stress in tomato is mediated by a new generation plant activator

Jason J Wargent, Douglas A Pickup, Nigel D Paul and Michael R Roberts

Source : BMC Plant Biology 2013

Lien vers le résumé de cet article : <http://www.biomedcentral.com/1471-2229/13/108/abstract>

Diversity in plant systemic resistance induced by Trichoderma

J. Nawrocka, U. Małolepsza

Source : Biological Control - Available online 26 July 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S1049964413001539>

Avocado roots treated with salicylic acid produce phenol-2,4-bis (1,1-dimethylethyl), a compound with antifungal activity

Gerardo Rangel-Sánchez, Elda Castro-Mercado, Ernesto García-Pineda

Source : Journal of Plant Physiology - Available online 12 August 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0176161713002939>

Differential response of two pineapple cultivars (*Ananas comosus* (L.) Merr.) to SAR and ISR inducers against the nematode *Rotylenchulus reniformis*

Alain Soler, Paul-Alex Marie-Alphonsine, Claudine Corbion, Patrick Quénéhervé

Source : Crop Protection – 54 : 48–54 - December 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0261219413001919>

Foliar application of systemic acquired resistance (SAR) inducers for controlling grape anthracnose caused by *Sphaceloma ampelinum* de Bary in Thailand

Inchaya Prakongkha, Mathukorn Sompong, Sopone Wongkaew, Dusit Athinuwat and Natthiya Buensanteai

Source : African Journal of Biotechnology - 12(33): 5148-5156 - 14 August, 2013

Lien vers cet article :

<http://www.academicjournals.org/Ajb/PDF/pdf2013/14Aug/Prakongkha%20et%20al.pdf>

Proteomic analysis of glucohexase induced resistance to downy mildew in *Cucumis sativus*

Hao YuHan; Wu ChunFei; Zhao DaWei; Thung LeeNa; Yu Yang; Fan HaiYan

Source : Australian Journal of Crop Science - 7(9): 1242-1251 – 2013

Lien vers le résumé de cet article :

<http://www.cabdirect.org/abstracts/20133282087.html;jsessionid=D17B0ECB591012057D48A574E440E18B>

Involvement of the glutamate receptor AtGLR3.3 in plant defense signaling and resistance to *Hyaloperonospora arabidopsidis*

Hamid Manzoor, Jani Kelloniemi, Annick Chiltz, David Wendehenne, Alain Pugin, Benoit Poinssot, Angela Garcia-Brugger

Source : The Plant Journal - Accepted Article – 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/tpj.12311/abstract>

TRICHODERMA: A BIOLOGICAL WEAPON FOR MANAGING PLANT DISEASES AND PROMOTING SUSTAINABILITY

Sanjeev Kumar

Source : Int. J. Agrl. Sc. & Vet. Med. - 1(3) – 2013

Lien vers cet article : http://ijasvm.com/ijasvadmin/upload/IJASVM_52026e5e93ab8.pdf

Induction of Systemic Resistance against Cucumber mosaic virus in Arabidopsis thaliana by Trichoderma asperellum SKT 1

Mohsen Mohamed Elsharkawy , Masafumi Shimizu, Hideki Takahashi, Kouichi Ozaki, Mitsuro Hyakumachi

Source : The Plant Pathology Journal - 29(2): 193- 200 – 2013

Lien vers le résumé de cet article : http://www.papersearch.net/view/detail.asp?detail_key=2w203164

Dynamic Chemical Communication between Plants and Bacteria through Airborne Signals: Induced Resistance by Bacterial Volatiles

Mohamed A. Farag, Huiming Zhang, Choong-Min Ryu

Source : Journal of Chemical Ecology – 39(7): 1007-1018 - July 2013

Lien vers cet article : <http://link.springer.com/content/pdf/10.1007%2Fs10886-013-0317-9.pdf>

Effects of an Innovative Strategy to Contain Grapevine Bois Noir: Field Treatment with Resistance Inducers

Gianfranco Romanazzi, Sergio Murolo, and Erica Feliziani

Source : Phytopathology – 103(8): 785-791 - August 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO-01-13-0031-R>

Soybean Resistance to Phakopsora pachyrhizi as Affected by Acibenzolar-S-Methyl, Jasmonic Acid and Silicon

Maria Fernanda Antunes Cruz, Fabrício Ávila Rodrigues, Ana Paula Cardoso Diniz, Maurilio Alves Moreira, Everaldo Gonçalves Barros

Source : Journal of Phytopathology - Early View – 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/jph.12170/abstract?deniedAccessCustomisedMessage=&userIsAuthenticated=false>

Harzianolide, a novel plant growth regulator and systemic resistance elicitor from Trichoderma harzianum

Feng Cai, Guanghui Yu, Ping Wang, Zhong Wei, Lin Fu, Qirong Shen, Wei Chen

Source : Plant Physiology and Biochemistry - Available online 5 September 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0981942813003057>

Priming of jasmonate-mediated antiherbivore defense responses in rice by silicon

Mao Ye, Yuanyuan Song, Jun Long, Ruilong Wang, Scott R. Baerson, Zhiqiang Pan, Keyan Zhu-Salzman, Jiefen Xie, Kunzheng Cai, Shiming Luo, and Rensen Zeng

Source : PNAS Early Edition – 2013

Lien vers cet article : <http://www.pnas.org/content/early/2013/08/28/1305848110.full.pdf>

Differential response of two pineapple cultivars (Ananas comosus (L.) Merr.) to SAR and ISR inducers against the nematode Rotylenchulus reniformis

Alain Soler, Paul-Alex Marie-Alphonsine, Claudine Corbion, Patrick Quénéhervé

Source : Crop Protection – 54: 48–54 - December 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0261219413001919>

Chitosan and a fungal elicitor inhibit tracheary element differentiation and promote accumulation of stress lignin-like substance in Zinnia elegans xylogenic culture.

Takeuchi C, Nagatani K, Sato Y.

Source : J Plant Res. - 2013 Jun 4

Lien vers le résumé de cet article : <http://www.ncbi.nlm.nih.gov/pubmed/23732634>

Elicitor(s) in Sogatella furcifera (Horváth) causing the Japanese rice plant (Oryza sativa L.) to induce the ovicidal substance, benzyl benzoate.

Yang JO, Nakayama N, Toda K, Tebayashi S, Kim CS.

Source : Biosci Biotechnol Biochem. - 77(6): 1258-61 – 2013

Lien vers le résumé de cet article : <http://www.ncbi.nlm.nih.gov/pubmed/23748769>

Neither endogenous abscisic acid nor endogenous jasmonate is involved in salicylic acid-, yeast elicitor-, or chitosan-induced stomatal closure in Arabidopsis thaliana.

Issak M, Okuma E, Munemasa S, Nakamura Y, Mori IC, Murata Y.

Source : Biosci Biotechnol Biochem. – 77(5):1111-3 – 2013

Lien vers le résumé de cet article : <http://www.ncbi.nlm.nih.gov/pubmed/23649239>

Efficacy of Three Strategies Based on Insecticide, Oil and Elicitor Treatments in Controlling Aphid Populations and Potato virus Y Epidemics in Potato Fields

Brice Dupuis, Ruedi Schwaerzel, Jacques Derron

Source : Journal of Phytopathology - Article first published online: 11 JUL 2013

Lien vers le résumé de cet article : <http://onlinelibrary.wiley.com/doi/10.1111/jph.12148/abstract>

Elicitor-induced rosmarinic acid accumulation and secondary metabolism enzyme activities in *Solenostemon scutellarioides*

Ranabir Sahu, Moumita Gangopadhyay, Saikat Dewanjee

Source : Acta Physiologiae Plantarum – 35(5): 1473-1481 – 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007%2Fs11738-012-1188-3>

Lithium alters elicitor-induced H₂O₂ production in cultured plant cells

N. Orbán, K. Bóka

Source : Biologia Plantarum – 57(2): 332-340 - June 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007%2Fs10535-012-0279-8>

Induction of phytochemical glyceollins accumulation in soybean following treatment with biotic elicitor (*Aspergillus oryzae*)

Ojokoh Eromosele, Shi Bo, Liang Ping

Source: Journal of Functional Foods – 5(3): 1039–1048 - July 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S1756464613000686>

ABIOTIC ELICITOR TREATMENTS STIMULATE CHANGES IN POLYPHENOL OXIDASE (PPO) ACTIVITY IN CUT GERBERA FLOWERS

A.I. Darras, V. Demopoulos

Source : ISHS Acta Horticulturae 1002: XI International Symposium on Flower Bulbs and Herbaceous Perennials – 2013

Lien vers le résumé de cet article : http://www.actahort.org/books/1002/1002_11.htm

Effects of microbial elicitor on production of hypocrellin by *Shiraia bambusicola*

Du, Wen; Liang, Zongqi; Zou, Xiao; Han, Yanfeng; Liang, Jiandong; Yu, Jianping; Chen, Wanhao; Wang, Yurong; Sun, Chunlong

Source : Folia Microbiologica – 58(4): 283-289(7) - July 2013

Lien vers le résumé de cet article :

<http://www.ingentaconnect.com/content/klu/12223/2013/00000058/00000004/00000203>

Elicitors in Plant Tissue Culture

Heena Patel, R. Krishnamurthy

Source : IC Journal – 2(2) – 2013

Lien vers cet article : http://www.phytojournal.com/vol2Issue2/Issue_july_2013/9.1.pdf

Pathogen-associated molecular pattern-triggered immunity and resistance to the root pathogen *Phytophthora parasitica* in *Arabidopsis*

Mathieu Larroque, Elodie Belmas, Thomas Martinez, Sophie Vergnes, Nathalie Ladouce, Claude Lafitte, Elodie Gaulin and Bernard Dumas

Source : Journal of Experimental Botany - Advance Access published July 12, 2013

Lien vers cet article : <http://jxb.oxfordjournals.org/content/early/2013/07/11/jxb.ert195.full.pdf>

NON-HOST RESISTANCE ACTIVITIES OF *Arabidopsis thaliana* INDUCED BY METHANOL EXTRACT OF MYCELIA FROM *Phytophthora infestans*

Mohammad Shahjahan Monjil, Shinya Wada, Daigo Takemoto, Kazuhito Kawakita

Source : International Journal of Biosciences and Biotechnology – 1(2) – 2013

Lien vers le résumé de cet article : <http://ojs.unud.ac.id/index.php/jbb/article/view/6094>

Costs and benefits of hormone-regulated plant defences

I. A. Vos, C. M. J. Pieterse, S. C. M. van Wees

Source : Plant Pathology – 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/ppa.12105/abstract;jsessionid=21EB67E13A5BAEAD21BDC7451BF80EA4.d03t02?systemMessage=Wiley+Online+Library+will+be+unavailable+for+approximately+4+hours+between+09:00+EDT+and+14:00+EDT+on+Saturday,+28+September+2013+as+we+make+upgrades+to+improve+our+services+to+you.+There+will+also+be+some+delays+to+online+publishing+between+25+to+28+September+2013.+We+apologize+for+the+inconvenience+and+appreciate+your+patience.+Thank+you+for+using+Wiley+Online+Library!>

Aphanomyces euteiches Cell Wall Fractions Containing Novel Glucan-Chitosaccharides Induce Defense Genes and Nuclear Calcium Oscillations in the Plant Host Medicago truncatula

Amaury Nars, Claude Lafitte, Mireille Chabaud, Sophie Drouillard, Hugo Mérida, Saïda Danoun, Tinaig Le Costaouëc, Thomas Rey, Julie Benedetti, Vincent Bulone, David George Barker, Jean-Jacques Bono, Bernard Dumas, Arnaud Bottin

Source : Plos One – 2013

Lien vers cet article

Disease suppression and growth promotion in cucumbers induced by integrating PGPR agent Bacillus subtilis strain B4 and chemical elicitor ASM

Kyungseok Park, Jin-Woo Park, Se-Weon Lee, Kotnala Balaraju

Crop Protection – 54: 199–205 - December 2013

Lien vers le résumé de cet article

Screening of plant growth-promoting rhizobacteria as elicitor of systemic resistance against gray leaf spot disease in pepper

Jin-Soo Son, Marilyn Sumayo, Ye-Ji Hwang, Byung-Soo Kim, Sa-Youl Ghim

Source : Applied Soil Ecology – 73: 1–8 - January 2014

Lien vers le résumé de cet article

Harzianolide, a novel plant growth regulator and systemic resistance elicitor from Trichoderma harzianum

Feng Cai, Guanghui Yu, Ping Wang, Zhong Wei, Lin Fu, Qirong Shen, Wei Che

Source : Plant Physiology and Biochemistry – 73: 106–113 – 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S0981942813003057>

Lactuca sativa mediated chitinase activity and resistance in pearl millet against Sclerospora graminicola

S. R. Mythrashree, N. P. Geetha, H. G. Pushpalatha, M. Murali, H. S. Shetty and K. N. Amruthesh

Source : African Journal of Plant Science - 7(10): 492-503 - October 2013

Lien vers cet article :

<http://www.academicjournals.org/AJPS/fulltext/2013/Oct/Mythrashree%20et%20al.htm>

Fine Tuning of Reactive Oxygen Species Homeostasis Regulates Primed Immune Responses in Arabidopsis

Victoria Pastor, Estrella Luna, Jurriaan Ton, Miguel Cerezo, Pilar García-Agustín, and Victor Flors

Source : MPMI – 26(11): 1334-1344 - November 2013

Lien vers le résumé de cet article : <http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-04-13-0117-R>

Cellulysin induces downy mildew disease resistance in pearl millet driven through defense response

H. G. Pushpalatha, J. Sudisha, H. Shekar Shetty

Source : European Journal of Plant Pathology - September 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007/s10658-013-0281-9>

Possible structure-activity profile of salicylate derivatives: their relationship on induction of systemic acquired resistance

S. Safari, M.J. Soleiman, A. Mohajer and L. Fazlikhani

Source : Journal of Agricultural Technology - 9(5): 1215-1225 – 2013

Lien vers cet article :

[http://ijat-aatsea.com/pdf/v9_n5_13_September/17_Plant%20Protection%20_IJAT_2013_9\(5\)_S.%20Safari-M.Javad%20Soleimani%20-KS.pdf](http://ijat-aatsea.com/pdf/v9_n5_13_September/17_Plant%20Protection%20_IJAT_2013_9(5)_S.%20Safari-M.Javad%20Soleimani%20-KS.pdf)

Biotechnological approaches for field applications of chitoooligosaccharides (COS) to induce innate immunity in plants, Critical Reviews in Biotechnology, Informa Healthcare

Subha Narayan Das, Jogi Madhuprakash, P. V. S. R. N. Sarma, Pallinti Purushotham, Katta Suma, Kaur Manjeet, Samudrala Rambabu, Nour Eddine El Gueddari, Bruno M. Moerschbacher, and Appa Rao Podile

Source : Critical Reviews in Biotechnology – 2013

Lien vers le résumé de cet article : <http://informahealthcare.com/doi/abs/10.3109/07388551.2013.798255>

Defence Signalling Pathways Involved in Plant Resistance and Phosphite-Mediated Control of Phytophthora Cinnamomi

Leila Eshraghi, Jonathan P. Anderson, Nader Aryamanesh, Jen A. McComb, Bryan Shearer, Giles E. St. J. Hardy

Source : Plant Molecular Biology Reporter - September 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007/s11105-013-0645-5>

Salicylic acid-dependent and -independent impact of an RNA-binding protein on plant immunity

CHRISTIAN HACKMANN, CHRISTIN KORNELI, MAGDALENE KUTYNIOK, TINO KÖSTER, MATTHIAS WIEDENLÜBBERT, CAROLINE MÜLLER, DOROTHEE STAIGER

Source : Plant, Cell & Environment - Article first published online: 22 SEP 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/pce.12188/abstract;jsessionid=770ED7BE0C577805956B3FE9F1E03520.d01t04?systemMessage=Wiley+Online+Library+will+be+unavailable+for+approximately+4+hours+between+09%3A00+EDT+and+14%3A00+EDT+on+Saturday%2C+28+September+2013+as+we+make+upgrades+to+improve+our+services+to+you.+There+will+also+be+some+delays+to+online+publishing+between+25+to+28+September+2013.+We+apologize+for+the+inconvenience+and+appreciate+your+patience.+Thank+you+for+using+Wiley+Online+Library%21>

Induced resistance to Botrytis cinerea in Capsicum annum by a Fusarium crude elicitor fraction, free of proteins

J. Veloso, J. Díaz

Source : Plant Biology - Article first published online: 20 SEP 2013

Lien vers le résumé de cet article :

<http://onlinelibrary.wiley.com/doi/10.1111/plb.12079/abstract?systemMessage=Wiley+Online+Library+will+be+unavailable+for+approximately+4+hours+between+09%3A00+EDT+and+14%3A00+EDT+on+Saturday%2C+28+September+2013+as+we+make+upgrades+to+improve+our+services+to+you.+There+will+also+be+some+delays+to+online+publishing+between+25+to+28+September+2013.+We+apologize+for+the+inconvenience+and+appreciate+your+patience.+Thank+you+for+using+Wiley+Online+Library%21>

Responses of Herbivore and Predatory Mites to Tomato Plants Exposed to Jasmonic Acid Seed Treatment

Lesley E. Smart, Janet L. Martin, Marlène Limpalaër, Toby J. A. Bruce, John A. Pickett

Source : Journal of Chemical Ecology - September 2013

Lien vers le résumé de cet article : <http://link.springer.com/article/10.1007/s10886-013-0345-5>

STUDY OF PR GENE EXPRESSION AND ACTIVITY OF EFFECTIVE ENZYMES IN INDUCED RESISTANCE TO POWDERY MILDEW BY SALICYLIC ACID

ZEIGHAMINEJAD R. SHARIFI SIRCHI GH.R.

Source : JOURNAL OF AGRICULTURAL BIOTECHNOLOGY - 5(1): 97-110 – 2013

Lien vers le résumé de cet article :

<http://www.sid.ir/en/ViewPaper.asp?ID=321873&vDate=SPRING%202013&vEnd=110&vJournal=JOURNAL+OF+AGRICULTURAL+BIOTECHNOLOGY&vNo=1&vStart=97&vVolume=5&vWriter=ZEIGHAMINEJAD%20R.,SHA RIFI%20SIRCHI%20GH.R.>

Lipopolysaccharide of Enterobacter asburiae strain RS83: A bacterial determinant for induction of early defensive enzymes in Lactuca sativa against soft rot disease

Kanchalee Jetiyanona, Pinyupa Plianbangchang

Source : Biological Control - Available online 29 September 2013

Lien vers le résumé de cet article : <http://www.sciencedirect.com/science/article/pii/S1049964413002247>

Réglementation et mise sur le marché

Réglementation nationale et européenne

Ecophyto 2018, deux nouveaux avenants sur le biocontrôle pour les ZNA

Les ministères en charge de l'agriculture et de l'environnement et l'UPJ ont signé deux avenants afin de promouvoir les solutions de bio-contrôle en zones non-agricoles.

Source : Ecophyto ZNA - Veille technique et scientifique pour les professionnels des zones non agricoles - N° 38 – 2013

Lien vers ce bulletin : http://www.ecophytozna-pro.fr/data/veille_phytosanitaire_n_38_mai_2013.pdf

Projet de liste des candidats reconnus comme substance de base disponible

Le règlement 1107/2009 introduit le concept de « substances de base » (substances actives, non utilisées de façon prédominante comme produits de protection phytosanitaire mais qui peuvent être utiles pour la protection phytosanitaire et pour lesquelles l'intérêt économique de demander une autorisation peut être limité). Un premier projet de liste de ces substances a été mis en ligne par la Commission Européenne.

Lien vers cette liste :

http://ec.europa.eu/food/plant/pesticides/approval_active_substances/docs/list_candidates_basic_en.pdf

Mise sur le marché de SDP en France

Pas de nouvelles AMM détectées pour des stimulateurs des défenses des plantes sur la période.



Avec la contribution financière
du compte d'affectation spéciale
«Développement agricole et rural»