



**Università Mediterranea
di Reggio Calabria**



S.I.Pa.V.

ATTI XII° Congresso Nazionale S.I.Pa.V.



**S. Trada di Cannitello - Villa S. Giovanni (RC)
29 Settembre - 1 Ottobre 2005**

**UNIVERSITÀ MEDITERRANEA DI REGGIO CALABRIA
SOCIETÀ ITALIANA DI PATOLOGIA VEGETALE**

XII° CONGRESSO NAZIONALE S.I.Pa.V.

29 Settembre – 1 Ottobre 2005
S. Trada di Cannitello – Villa S. Giovanni (RC)

Comitato Scientifico

G. E. Agosteo	G. Magnano di San Lio
S.O. Cacciola	G.P. Martelli
G. Cartia	F. Scala
A. Catara	

Comitato Organizzatore

G. E. Agosteo	G. Magnano di San Lio
M.G. Li Destri Nicosia	F. Manti
C. Macrì	M. Spanò

Con il contributo di:

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Facoltà di Agraria – Università Mediterranea di Reggio Calabria
Dipartimento di Agrochimica ed Agrobiologia – Università Mediterranea di Reggio Calabria
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XII° Congresso Nazionale S.I.Pa.V.
Altafiumara Hotel, S.Trada di Cannitello – Villa S. Giovanni (RC)
29 Settembre - 1 Ottobre 2005

Programma

28 Settembre

- ore 18,30 Apertura della Segreteria presso gli Hotel Excelsior (RC) e Altafiumara (Villa S. Giovanni, RC)
ore 20,30 Chiusura della Segreteria

29 Settembre

- ore 8.30 Apertura della Segreteria presso l'Hotel Altafiumara
ore 9,00 Apertura dei lavori
Presiede: F. Scala, Presidente della S.I.Pa.V.
Saluto delle Autorità
ore 9,30 Proclamazione del vincitore del Premio Scaramuzzi
ore 10,00 Relazione introduttiva: **Brasier C.** - The global spread of Dutch elm disease: lessons in plant health and pathogen evolution
ore 11,00 Pausa caffè
ore 11,30 Comunicazioni

Presiedono: M. Lorito e Q. Migheli

Scala A. et al. - A multidisciplinary approach to study the role of cerato-platanin, a small protein from *Ceratocystis fimbriata* f. sp. *platani*, in the pathogenesis of the plane canker stain

Maimone Mancarello B. A. et al. - A gene encoding for a polyketide synthase may affect the virulence of *Diaporthe helianthi*

Li Destri Nicosia M.G. et al. - Altered pathogenicity of the olive anthracnose pathogen by *Impala* transposon tagging

Betti C. et al. - Different approaches to study the interaction *Citrus/Phoma tracheiphila* reveal an important role played by oxidative stress

Gigante S. et al. - Use of targeted disruption and GFP mutants to study the role of the gene coding for an ABC transporter in *Trichoderma atroviride*

Ambrosino P. et al. - Proteomic analysis of *Trichoderma harzianum* secreted proteins by peptide mass fingerprint and expressed sequence tag approaches

- ore 13,00 Pausa pranzo
ore 14,30 Visione poster: I Sessione
ore 15,30 Comunicazioni

Presiedono: M. Lorito e Q. Migheli

Rossignoli E. et al. - Functional involvement of the transcription factor ANAC102 in pathogenesis-related protein expression

Faoro F. et al. - Mechanisms underlying induced resistance in barley against powdery mildew

- ore 16,00 Comunicazioni

Presiedono: M. Barba e D. Gallitelli

Sallustio D. et al. - A general antisilencing strategy for enhancing pathogen-derived resistance to geminiviruses

Panattoni A. et al. - Differential antiviral activity of some IMPDH inhibitors

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Russo M. et al. - Cytological analysis of *Saccharomyces cerevisiae* cells supporting cymbidium ringspot virus defective interfering RNA replication

Cillo F. et al. - CMV- and PVY-mediated RNA silencing in mixed infections in tomato

ore 17,00 Comunicazioni

Presiedono: R. Buonauro e N.S. Iacobellis

Iacobellis N. S. et al. - Characterization of atypical strains of *Pseudomonas savastanoi* pv *savastanoi*

Catara V. et al. - Detection of *Pseudomonas savastanoi* pv *nerii* by PCR and real-time PCR

Santilli E. et al. - Detection and identification of *Pseudomonas savastanoi* by PCR-based diagnostics

Scuderi G. et al. - Preliminary assessment of *Pseudomonas syringae* isolates using fluorescent amplified fragment length polymorphism

Zaccardelli M. et al. - Diffusion of avirulence genes *avrPto* and *avrRpt2* in populations of *Pseudomonas syringae* pv *tomato*

ore 18,15 Assemblea generale della S.I.Pa.V.

ore 21,00 Cena sociale presso l'Hotel Altafiumara

30 Settembre

ore 8,30 Apertura dei lavori

Presiede: M. Cirulli

ore 9,00 Relazione introduttiva: **Cooke D. et al.** - Tools for exploring the diversity and distribution of Phytophthoras in natural ecosystems

ore 10,00 Comunicazioni

Presiedono: E. Gobbi e A. Vannini

Schena L. et al. - New target genes for the identification and detection of *Phytophthora* species

Luchi N. et al. - Real-time PCR: a molecular tool for early detection of fungal diseases in forest trees

Prodi A. et al. - Additional fungal species associated with elephantiasis of kiwifruit

Rodolfi M. et al. - SiRBInt, a simulation model of the interaction *Oryza sativa* L. - *Pyricularia grisea* (Cooke) Sacc.

ore 11,00 Pausa caffè

ore 11,30 Visione poster: II Sessione

ore 13,00 Pausa pranzo

ore 14,30 Visione poster: II Sessione

ore 15,30 Comunicazioni

Presiedono: L. Mugnai e G. Vannacci

Musetti R. et al. - Interactions between the endophyte fungus *Alternaria alternata* and *Plasmopara viticola* in grapevine leaf tissues

Colella C. et al. - Sources of Verticillium wilt resistance in wild olive germplasm from the Mediterranean region

Minuto A. et al. - The Fusarium wilt of gerbera soilless grown: possibility of spread and non chemical control

Ciccarese F. et al. - Control of Tomato corky-root with ozone fumigation in open field

ore 16,30 Comunicazioni

Presiedono: R. La Rosa e A. Bertaccini

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Berardi et al. - Transcriptional profiling of tomato plants infected with the *Tomato yellow leaf curl Sardinia virus* by long serial analysis of gene expression

Casati P. et al. - Further data on molecular characterization of PPV-M in northern Italy

Rodio M.E. et al. - Interactions between *Peach latent mosaic viroid* variants causing peach calico disease and the natural host: cellular and molecular studies

Ore 17,15 Comunicazioni

Presiedono: P. Bertolini e V. De Cicco

Casalini L. et al. - Population dynamics of *Penicillium expansum* strains on pears

Castoria et al. - *In vitro* degradation of ochratoxin to a less toxic ochratoxin α by *Aureobasidium pullulans* biocontrol strains

Pentimone I. et al. - Table grape berry colonisation and environmental fate of the biocontrol agent *Aureobasidium pullulans*, strain L47

Romanazzi G. et al. - Film-forming, antimicrobial and eliciting properties of chitosan

D'hallewin G. et al. - Enhancement of antagonist efficacy in controlling the *Citrus* green mold by the use of carbonic acid salts solutions: involvement of host defence mechanisms

ore 18,30 Chiusura dei lavori

1 Ottobre

ore 8,30 Visite tecniche

29 Settembre

ore 14.30 - 15.30

- 1) **Agosteo G. E. et al.** - Characterization of *Colletotrichum acutatum* isolates causing anthracnose of strawberry in Calabria
- 2) **Agosteo G. E. et al.** - Susceptibility of olive "Itrana" to anthracnose
- 3) **Balmas V. et al.** - Diagnosis of mal nero disease of *Citrus* trees by conventional methods and PCR
- 4) **Baraldi E., Zubini P.** - Alteration of antioxidant enzyme gene expression during refrigerated storage of the scald resistant 'Belfort' and the scald susceptible 'Granny Smith' apples
- 5) **Barone M., Ragozzino A.** - First report of *cherry virus a* in Italy
- 6) **Cacciola S.O. et al.** - Characterization of *Colletotrichum* species causing anthracnose of ornamentals and horticultural crops in Italy
- 7) **Cacciola S.O. et al.** - *Phytophthora* species associated with root rot of olive in Sicily
- 8) **Camele I. et al.** - Verticillium wilt of *Xanthium italicum* and *Solanum aethiopicum* in Italy
- 9) **Carella A., Nicoletti R.** - HPLC profile of secondary metabolites in *Penicillium canescens* and *Penicillium janczewskii*
- 10) **Ciliento R. et al.** - Glucose oxidase gene expression in *Trichoderma harzianum* T22 enhances its biocontrol activity
- 11) **Comes S. et al.** - Characterisation of a potato virus y isolate from *Capsicum chinense* cv Red Habanero
- 12) **Damiano A. et al.** - Occurrence of *Citrus variegation virus* (CVV) in Campania (Southern Italy)
- 13) **Davino S. et al.** - Cucumber mosaic virus infecting *Thevetia nereifolia* Juss. ex Steud. and *Nandina domestica* Thunb.
- 14) **De Guido M.A. et al.** - Molecular characterization of mycoviruses from *Botryotinia fuckeliana*
- 15) **Ferraioli S. et al.** - Proteome analysis of the interaction among *Trichoderma*, lettuce and pathogenic fungi
- 16) **Fiori M. et al.** - A bacterial disease of saffron caused by *Burkholderia gladioli* and *Pseudomonas* spp.
- 17) **Grasso S. et al.** - First report of *Mycosphaerella* sp. associated to gum spots of citrus leaves in Italy
- 18) **Grimaldi V. et al.** - Susceptibility of citrus seedlings to *Fusarium solani* inoculation
- 19) **Ligorio A. et al.** - Characterization of hydrolytic enzymes produced by *Aureobasidium pullulans* strain 147

- 20) **Linaldeddu B.T. et al.** - Physiological responses of cork oak and holm oak to the infections of pathogens involved in oak decline
- 21) **Marra R. et al.** - Entification of the molecular factors involved in the interactions among the biocontrol agent *Trichoderma atroviride*, plants and fungal pathogens by a proteomic approach
- 22) **Moretti C. et al.** - Preliminary results on cloning of an *ARAC* gene in *Pseudomonas avellanae*
- 23) **Oliveri C. et al.** - Results of the first year of a survey for yellow rust in Sicily
- 24) **Pane A. et al.** - *Phytophthora* species on ornamental plants in Italy
- 25) **Pane C. et al.** - Characterization of *bCATRo* knock out mutants of *Botryotinia fuckeliana*
- 26) **Pane C., Scala F.** - Sequence polymorphism of *bCATRo*, a gene encoding for an abc transporter in *Botryotinia fuckeliana*
- 27) **Parrella G. et al.** - Occurrence of Cucumber mosaic virus in *Passiflora edulis* Sims. in Italy
- 28) **Parrella G. et al.** - Evaluation of *Lycopersicon* germplasm for resistance to whitefly-transmitted viruses in Sardinia
- 29) **Parrella G. et al.** - Outbreaks of *Onion yellow dwarf virus* (OYDV) on onion crops in Calabria (Southern Italy)
- 30) **Parrella G. et al.** - Molecular survey on *Tomato yellow leaf curl disease* and its vector in Italy
- 31) **Picco A. M., Rodolfi M.** - A on-line key to the fungal pathogens of italian rice
- 32) **Pisi A. et al.** - Isolation of *Colletotrichum acutatum* from strawberry soils
- 33) **Rodio M. E. et al.** - Peach calico disease: characterization of *Peach latent mosaic viroid* variants containing insertions with different pathogenic properties
- 34) **Ruocco M. et al.** - Hytra1, a new hydrophobin from *Trichoderma harzianum*, may be involved in the interaction mechanisms of this fungus with plants
- 35) **Sabbatini Peverieri G.** - The occurrence of fungal root rot diseases on pine trees in Tuscany and its relationship with *Tomicus destruens*
- 36) **Santomauro A. et al.** - Double-strand rnas and virus like particles in *Botrotinia fuckeliana*
- 37) **Saracchi M. et al.** - Further studies on oak decline diffusion in Lombardy
- 38) **Scala A. et al.** - The gene encoding cerato-ulmin, an *Ophiostoma*-produced protein involved in the dutch elm disease, has been introgressed or horizontally transferred in an unrelated species of the genus *Geosmithia*
- 39) **Spica D. et al.** - Mating types in *Cryphonectria parasitica* populations from Calabria
- 40) **Vitale A., Polizzi G.** - Intraspecific variability of *Cylindrocladium pauciramosum* in interactions with *Trichoderma harzianum* and in thermal sensitivity
- 41) **Vitale S. et al.** - Research of the causal agents of an alteration on seeds of the bean ecotype "fagiolo di controne" cultivated near Calore river (Campania region, Italy)

- 42) **Zaccardelli M. et al.** - Use of microsatellite-PCR methods for the identification of terverticillate *Penicillium* species of the *Aurantiogriseum* group

Poster – II Sessione

30 Settembre

ore 11.30 – 13.00; ore 14.30 – 15.30

- 1) **Ambrosino P. et al.** - Biological control of apple and tomato postharvest diseases caused by *Botrytis cinerea* and *Alternaria alternata* by using culture filtrates of *Trichoderma harzianum* T22
- 2) **Amenduni T. et al.** - Management of insect-borne viruses on tomato by uv-reflecting mulch
- 3) **Arras G. et al.** - Effect *Thymus capitatus* oil, acetaldehyde, citral, and imazalil on mandarin like fruits cv Fairchild
- 4) **Balmas V. et al.** - Complexation of tebuconazole with β -cyclodextrin for controlling foot and crown rot of durum wheat incited by *Fusarium culmorum*
- 5) **Cacciola S.O. et al.** - *Phytophthora pseudosyringae* the causal agent of bleeding cankers of beech in central Italy
- 6) **Coco V. et al.** Diversity and population dynamics of *Penicillium* spp. on citrus fruits in postharvest environments
- 7) **Chimento A. et al.** - A new method for the monitoring of *Phytophthora* diversity in soil and water
- 8) **Chimento A. et al.** - The development of a real-time PCR assay for the detection of *Phytophthora* in *Asparagus*
- 9) **Ciccarese F. et al.** - Effect of arbuscular mycorrhizal fungi on verticillium wilt of artichoke
- 10) **Cozzolino L. et al.** - Biocontrol activity of *Bacillus* spp. strains isolated from the rhizosphere of vegetable crops
- 11) **Farina G. et al.** - Essential oil activity against post harvest pathogens
- 12) **Feducci M. et al.** - Relationship between environmental conditions and cypress canker disease in Tuscany by using GIS technology
- 13) **Ferraioli S. et al.** - Enhancers of the biocontrol activity of *Trichoderma* spp.
- 14) **Flamini L. et al.** - Biocontrol of *Verticillium dahliae* Kleb. isolated from olive trees by *Trichoderma* spp.
- 15) **Franceschini A. et al.** - Natural infection periods of *Diplodia corticola* in a declining cork oak forest
- 16) **Galletti S. et al.** - A multiple approach towards soil-borne disease biocontrol
- 17) **Iacobellis N. S. et al.** - Preliminary results on the effect of the agronomic practices on the epiphytic bacterial populations of olive

- 18) **Ligorio A. et al.** - Induction of resistance in sweet cherry fruits treated with salts and *Aureobasidium pullulans*
- 19) **Lima G. et al.** - Suppression of *Verticillium dahliae* microsclerotia in the rizosphere of olive and eggplant by compost from olive oil by-products
- 20) **Maccaroni M. et al.** - Effect of phosphite on *Phytophthora* species associated with walnut decline and death
- 21) **Marinello S. et al.** - Screening for identification of *Trichoderma* strains as possible inducers of systemic resistance
- 22) **Maddau L. et al.** - Antagonistic interactions between fungal endophytes and pathogens involved in oak decline
- 23) **Minuto A. et al.** - Effects of recycled substrate on incidence of *Fusarium oxysporum* f. sp. *radicis lycopersici* on tomato soilless grown
- 24) **Mirotti A. et al.** - Results of research to determine the potential of biocontrol of *Monosporascus cannonballus* pollack e uecker in emilia romagna region and report of antagonistic activity of a wild strain of *Fusarium oxysporum* (FO47)
- 25) **Moretti M. et al.** - *Cercospora beticola* sensitivity to triazoles and strobilurines
- 26) **Nasini M. et al.** - *In vitro* tests on antagonism of endophytic fungi from *Quercus* spp. towards *Biscogniauxia mediterranea*
- 27) **Neri F. et al.** - *In vitro* and *in vivo* activity of plant volatile compounds against *Penicillium expansum*
- 28) **Nicoletti R., Carella A.** - Induction of resistance to black root rot of tobacco in vitro by culture filtrates of isolates of *Penicillium* spp.
- 29) **Nigro F. et al.** - Specific PCR detection of *Phytophthora megasperma* using the intergenic spacer region of the ribosomal dna
- 30) **Nipoti P. et al.** - Identification and characterization of the aggressive biotype of *Trichoderma harzianum* (th 2) isolated from *Agaricus bisporus* compost in Italy
- 31) **Ortu G. et al.** - Study of biofilm formation in *Candida albicans* may help understanding the biocontrol capability of a *flor* strain of *Saccharomyces cerevisiae* against the phytopathogenic fungus *Penicillium expansum*
- 32) **Prati S. et al.** - Preliminary study on the effects of two SAR inducers and prohexadione calcium on the development of phytoplasmas in vinca
- 33) **Raio A. et al.** - Early detection and K84 strain application for crown gall prevention in peach nurseries
- 34) **Rubies Autonell C. et al.** - Phytosanitary certification of garlic
- 35) **Sardi P. et al.** - Activity of *Bacillus circulans* Jordan against postharvest rot pathogens
- 36) **Schena L., Cooke D. E. L.** - Detection and quantification of *Phytophthora ramorum*, *P. kernoviae*, *P. citricola*, and *P. quercina* by real-time multiplex PCR
- 37) **Tarantino P. et al.** - Preliminary study on the control of *Rhizoctonia solani* in tobacco float system using reduced rate of iprodione associated with iprodione resistant isolates of *Gliocladium roseum*

- 38) **Vinale F. et al.** - Secondary metabolites produced by two commercial strains of *Trichoderma harzianum*
- 39) **Vinale F. et al.** - Biocontrol *Pseudomonas* strains against postharvest pathogens of apple
- 40) **Visentin I. et al.** - PCR detection of fumonisin-producing *Fusarium* isolates from Piedmont
- 41) **Zaccardelli M. et al.** - Selection of *Pseudomonas* spp. able to promote growth of tomato
- 42) **Zaccardelli M. et al.** - Susceptibility to *Pseudomonas syringae* pv *tomato* of four tomato ecotypes and their commercial homologous, cultivated in two locations of Campania region
- 43) **Zaccardelli M. et al.** - Effects of different levels of irrigation and nitrogen fertilizer on soft rot of potato