

CV ai fini della pubblicazione

Decreto Rettore Università di Roma “La Sapienza” n. 1855/2023 del 12/07/2023

## MASSIMO REVERBERI Curriculum Vitae

Place ROMA

Date 27/07/2023

### Part I – General Information

Name	MASSIMO
Surname	REVERBERI

### Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
PhD	2001	Sapienza University of Roma	Excellent, PhD in Botany (sect. Fungal Molecular Biology/Plant Pathology)
Post-graduate studies	1997	Sapienza University of Roma	Traineeship and qualification as Biologist
University graduation	1996	Sapienza University of Roma	110/110 cum laude; Biological Sciences sp. Biotechnology (Thesis in Plant Molecular Biology/Plant Pathology)

### Part III – Appointments

#### IIIA – Academic Appointments

Start	End	Institution	Position
2023	today	Sapienza University of Roma	Member of the executive boarding of Faculty of Mathematical, Physical and Natural Sciences
2022	today	Sapienza University of Roma	Rector’s delegate for the Faculty of Science’s 3 <sup>rd</sup> mission project LAB2GO
2021	today	Sapienza University of Roma	President of the Area Educational Board (CAD) in Biotechnological and Agrifood Sciences
2021	today	Sapienza University of Roma	Principal investigator and Coordinator of the activities of Sapienza University in the framework of Centro Nazionale 2 – Agritech Spoke 9
2021	today	Sapienza University of Roma	Vice-director of the Botanical Garden of Sapienza
2021	today	Sapienza University of Roma	Responsible for the Large Infrastructure Integrated Smart

			Phytotron
2020	today	Sapienza University of Roma	Scientific Advisor of the framework agreement between Sapienza University of Roma and Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria (CREA)
2020	today	Sapienza University of Roma	Responsible of the general cultural and scientific memorandum of understanding between Sapienza University and Trustees of Boston College
2018	today	Sapienza University of Roma	RADRL (responsible for teaching or research activities in the laboratory) of the laboratory of plant pathology
2018	today	Sapienza University of Roma	Member of the scientific committee in the interdepartmental center Saperi&co <a href="https://web.uniroma1.it/saperi_co/">https://web.uniroma1.it/saperi_co/</a>
2017	2018	Sapienza University of Roma	President of the School of Higher Education in Genetic diversity of cultivation in the field and on the farm, principles and applications in research practices
2017	2018	Sapienza University of Roma	Member of the University commission for the evaluation of educational credits in the context of the 24CFU integration courses destined to high school teachers
2017	2019	Sapienza University of Roma	Member of the executive boarding of Faculty of Mathematical, Physical and Natural Sciences
2015	today	Sapienza University of Roma	Associate Professor in Plant Pathology (SC 07/D1; SSD AGR/12)
2009	today	Sapienza University of Roma	Member of the PhD board in Evolutionary and Environmental Biology; section Plant Pathology (formerly Botany/Environmental Biology)
2007	2015	Sapienza University of Roma	Permanent Researcher in Plant Pathology (SC 07/D1; SSD AGR/12)
2004	2007	Sapienza University of Rome	Fixed-term contracts as fungal molecular biologist and Lecturer in Plant Pathology

### ***IIIB – Other Appointments***

Start	End	Institution	Position
2023	today	Conferenza Nazionale Permanente dei Corsi di Studio in Biotecnologie	Member of the boarding committee
2022		Collège des Ecoles	Member of the reading committee for

		Doctorales de l'Université de Bordeaux	the evaluation of a candidate in the ÉCOLE DOCTORALE des Sciences de la Vie et de la Santé SPÉCIALITÉ Microbiologie - Immunologie
2021	2022	ANVUR – Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca	Incarico di revisore esterno VQR 2015-19
2021	today	SARA ENVIMOB SRL Startup accademica di Sapienza	President of the company
2018	2029	Ministero dell'Università e della ricerca	National Scientific Qualification for the functions of Full Professor in the Sector Competition 07/D1 - PLANT PATHOLOGY AND ENTOMOLOGY
2018	today	Ministero dell'istruzione, dell'Università e della ricerca - Dipartimento per la Formazione Superiore e per la Ricerca Direzione Generale per il coordinamento, la promozione e la valorizzazione della ricerca Ufficio III	REPRISE member for the evaluation of proposal within the area of Basic research; Competitive industrial research and social development
2018		SARA ENVIMOB srl Startup accademica di Sapienza	Co-Founder of the academic Start-up SARA Envimob srl <a href="http://www.saraenvimob.com">www.saraenvimob.com</a> aimed at providing bioinformatic driven solutions to sustain innovation in plant protection
2017	2019	Erasmus + programme	Responsible for the ERASMUS+ INSTITUTIONAL AGREEMENTS with the University of Zadar
2016		CREA Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria	Member of the commission for the evaluation of senior researcher and manager of CREA
2015	2015	Agence d'Evaluation de la Recherche et des établissements d'Enseignement Supérieur ( <a href="http://www.aeresevaluation.fr/">http://www.aeresevaluation.fr/</a> )	Member of an experts committee for the evaluation of the INRA center of research MycSA
2014	today	Camera di Commercio Industria, Artigianato e Agricoltura di ROMA	Co-inventor of the patent estratto fungino ad attività antitumorale ITRM20120573 (A1) — 2014-05-20
2014		Institut Nationale Politechnique - INP Toulouse	Member of the reading committee for the evaluation of a candidate in the Doctorat de l'Institut Nationale Politechnique de Toulouse (France)
2014		Ministero dell'istruzione, dell'Università e della ricerca	National Scientific Qualification for the functions of Full Professor in the Sector Competition 07/D1 - PLANT PATHOLOGY AND ENTOMOLOGY
2013		Université Victor Segalen, Bordeaux	Member of the reading committee for

			the evaluation of a candidate in école doctorale Sciences de la Vie et de la Santé (France)
2012	2012	University of Ghent (Belgium)	Member of the reading committee for the evaluation of a candidate in the PhD school of Applied Biological Science in the Faculty of Bioscience Engineer (Ghent, Belgium)
2001	2003	CNR-Istituto di Biochimica e Fisiologia Vegetali	3-years post doc contract as fungal genetist

**Part IV – Teaching experience**  
**IVA - Courses**

Year	Institution	Lecture/Course (SSD AGR/12)
2022/2023	Sapienza University of Roma	<b>TIROCINIO (2CFU)</b> CDS Biotecnologie Agro-Alimentari e Industriali <b>PATOLOGIA VEGETALE (6CFU)</b> CDS Scienze Farmaceutiche Applicate <b>PATOLOGIA VEGETALE (6CFU)</b> CDS Biotecnologie Agro-Alimentari e Industriali <b>PROTEZIONE INTEGRATA DELLE PIANTE DI INTERESSE ALIMENTARE (6CFU)</b> CDS Scienze e tecnologie alimentari <b>BIOINFORMATICS IN PLANT PATHOLOGY (3CFU)</b> CDS Bioinformatics
2021/2022	Sapienza University of Roma	<b>PATOLOGIA VEGETALE (6CFU)</b> CDS Scienze Farmaceutiche Applicate <b>PATOLOGIA VEGETALE (6CFU)</b> CDS Biotecnologie Agro-Alimentari e Industriali <b>PROTEZIONE INTEGRATA DELLE PIANTE DI INTERESSE ALIMENTARE (6CFU)</b> CDS Scienze e tecnologie alimentari <b>BIOINFORMATICS IN PLANT PATHOLOGY (3CFU)</b> CDS Bioinformatics
2020/2021	Sapienza University of Roma	<b>PATOLOGIA VEGETALE (6CFU)</b> CDS Scienze Farmaceutiche Applicate <b>PATOLOGIA VEGETALE (6CFU)</b> CDS Biotecnologie Agro-Industriali <b>BIOINFORMATICS IN PLANT PATHOLOGY (3CFU)</b> CDS Bioinformatics <b>PROTEZIONE INTEGRATA DELLE PIANTE DI INTERESSE ALIMENTARE (6CFU)</b> CDS Scienze e tecnologie alimentari <b>LABORATORIO PER LO STUDIO DEI MATERIALI DI ORIGINE VEGETALE (3CFU)</b> CDS Tecnologie per la Conservazione e il Restauro dei Beni Culturali
2019/2020	Sapienza University of Roma	<b>PATOLOGIA VEGETALE (6CFU)</b> CDS Scienze Farmaceutiche Applicate <b>PATOLOGIA VEGETALE (6CFU)</b> CDS Biotecnologie Agro-Industriali <b>BIOINFORMATICS IN PLANT PATHOLOGY (3CFU)</b> CDS Bioinformatics <b>PROTEZIONE INTEGRATA DELLE PIANTE DI INTERESSE ALIMENTARE (6CFU)</b> CDS Scienze e Tecnologie Alimentari <b>LABORATORIO PER LO STUDIO DEI</b>

		<b>MATERIALI DI ORIGINE VEGETALE (3CFU)</b> CDS Tecnologie per la Conservazione e il Restauro dei Beni Culturali
2018/2019	Sapienza University of Roma	<b>PATOLOGIA VEGETALE (6CFU)</b> CDS Scienze Farmaceutiche Applicate <b>PATOLOGIA VEGETALE (6CFU)</b> CDS Biotecnologie Agro-Industriali <b>BIOINFORMATICS IN PLANT PATHOLOGY (3CFU)</b> CDS Bioinformatics <b>SICUREZZA ALIMENTARE (6CFU)</b> CDS Scienze e Tecnologie Alimentari <b>LABORATORIO PER LO STUDIO DEI MATERIALI DI ORIGINE VEGETALE (3CFU)</b> CDS Tecnologie per la Conservazione e il Restauro dei Beni Culturali
2017/2018	Sapienza University of Roma  University of Zadar	<b>PATOLOGIA VEGETALE (6CFU)</b> CDS Scienze Farmaceutiche Applicate <b>PATOLOGIA VEGETALE (6CFU)</b> CDS Biotecnologie Agro-Industriali <b>LABORATORIO PER LO STUDIO DEI MATERIALI DI ORIGINE VEGETALE (3CFU)</b> CDS Tecnologie per la Conservazione e il Restauro dei Beni Culturali <b>CROP PROTECTION (1 ECTS - 1CFU)</b> Course Applied ecology in agronomy (single major); Department of Ecology, Agronomy and Aquaculture
2016/2017	Sapienza University of Roma	<b>PATOLOGIA VEGETALE (6CFU)</b> CDS Biotecnologie Agro-Industriali <b>FISIOPATOLOGIA VEGETALE (6CFU)</b> CDS Biotecnologie Agro-Industriali <b>LABORATORIO PER LO STUDIO DEI MATERIALI DI ORIGINE VEGETALE (3CFU)</b> CDS Tecnologie per la Conservazione e il Restauro dei Beni Culturali
2015/2016	Sapienza University of Roma	<b>PATOLOGIA VEGETALE MOLECOLARE (6CFU)</b> CDS Biologia e Tecnologie Cellulari <b>FISIOPATOLOGIA VEGETALE (6CFU)</b> CDS Biotecnologie Agro-Industriali
2014/2015	Sapienza University of Roma	<b>PATOLOGIA VEGETALE MOLECOLARE (6CFU)</b> CDS Biologia e Tecnologie Cellulari <b>FISIOPATOLOGIA VEGETALE (6CFU)</b> CDS Biotecnologie Agro-Industriali
2013/2014	Sapienza University of Roma	<b>PATOLOGIA VEGETALE MOLECOLARE (6CFU)</b>

		CDS Biologia e Tecnologie Cellulari <b>BIOTECNOLOGIE FITOPATOLOGICHE (4CFU)</b> CDS Biotecnologie Agro-Industriali
2012/2013	Sapienza University of Roma	<b>PATOLOGIA VEGETALE MOLECOLARE (6CFU)</b> CDS Biologia e Tecnologie Cellulari <b>BIOTECNOLOGIE FITOPATOLOGICHE (4CFU)</b> CDS Biotecnologie Agro-Industriali
2011/2012	Sapienza University of Roma	<b>PATOLOGIA VEGETALE MOLECOLARE (6CFU)</b> CDS Biologia e Tecnologie Cellulari <b>BIOTECNOLOGIE FITOPATOLOGICHE (4CFU)</b> CDS Biotecnologie Agro-Industriali
2010/2011	Sapienza University of Roma	<b>BIOTECNOLOGIE FITOPATOLOGICHE (4CFU)</b> CDS Biotecnologie Agro-Industriali Università Sapienza – sede di Latina
2009/2010	Sapienza University of Roma	<b>BIOTECNOLOGIE FITOPATOLOGICHE (4CFU)</b> CDS Biotecnologie Agro-Industriali Università Sapienza – sede di Latina
2008/2009	Sapienza University of Roma	<b>BIOTECNOLOGIE FITOPATOLOGICHE (4CFU)</b> CDS Biotecnologie Agro-Industriali Università Sapienza – sede di Latina
2007/2008	Università degli Studi de L'Aquila	<b>PATOLOGIA VEGETALE (8CFU)</b> Facoltà di Biotecnologie CDS Biotecnologie Agro-industriali
2006/2007	Università degli Studi de L'Aquila	<b>PATOLOGIA VEGETALE (8CFU)</b> Facoltà di Biotecnologie CDS Biotecnologie Agro-industriali
2005/2006	Sapienza University of Roma	<b>Modulo esercitazioni per Patologia Vegetale, Biochimica e Fisiologia Vegetale (4CFU)</b> CDS Biotecnologie Agro-Industriali Università Sapienza – sede di Latina
2004/2005	Sapienza University of Roma	<b>Modulo esercitazioni per Patologia Vegetale, Biochimica e Fisiologia Vegetale (4CFU)</b> CDS Biotecnologie Agro-Industriali Università Sapienza – sede di Latina

#### **IVB - students**

Since 2002 more than **150** bachelor thesis and more than **70** master theses in the courses: L-2 (Plant Pathology), LM-6 (Plant Molecular Pathology), LM-8 (Biotechnological Phytopathology), LM-70 (Integrated Crop Protection);

**24** PhD Students in Botany and since 2012 Evolutionary and Environmental Biology both in the section of Plant Pathology:

<b>year</b>	<b>PhD Student</b>	<b>Topic</b>	<b>Fellowship Type</b>
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2023	Franca Luciana Ferrante	Identification of resistance markers to the phytopathogenic bacterium <i>Xylella fastidiosa</i> in <i>Olea europaea</i> by applying -omic approaches	Borsa Finanziata da enti terzi - CREA
2023	Leonardo Lascala	Innovative approaches to improve the sustainability and traceability of plant productions	Borsa C_PNRR - DM118 GENERICHE - PNRR Approcci innovativi per migliorare la sostenibilità e tracciabilità delle produzioni vegetali
2022	Francesca Emili (co-tutela)	Isolation, characterisation and selection of fungal bioresources for the mycoremediation of glyphosate polluted soils	Borsa INAIL
2021	Valentino Bergamaschi	Metagenomics applied to the study of the “kiwifruit vine decline” and management of the affected plants	Borsa PON2014-2020, DM 1062 tematiche “green”
2021	Giuliano Manetti	Investigations on serious decline of olive trees in Apulia due to fungal microorganisms, and confusable with OQDS ( <i>Xylella fastidiosa</i> ): diagnosis, diffusion, possibility of control	Borsa PON2014-2020, DM 1062 tematiche “green”
2021	Carla Libia Corrado	Utilizzo di sostanze green per il controllo delle infezioni da patogeni sistemici e i loro vettori	Borsa PON2014-2020, DM 1062 tematiche “green”
2021	Rosita Silvana Fratini	Development of new technologies in precision agriculture for the sustainable production of potato genotypes with high nutritional qualities	Borsa PON2014-2020, DM 1062 tematiche “green”
2019	Andrea Cacciotti	The Role of CRZ1 in Synchronizing Lipid Metabolism, Oxylin Synthesis and Fumonisin Production	Borsa di Ateneo
2017	Manuel Salustri	Lipids in <i>Xylella fastidiosa</i> - <i>Olea europaea</i> interaction	Borsa di Ateneo
2017	Paola de Santis	The role of crop agrobiodiversity in improving production systems and food security in developing countries	Ex art. 6
2016	Jelena Loncar	Mushroom exo-polysaccharides as a control agents of aflatoxin and ochratoxin A biosynthesis	Borsa estera (Università di Zara, Croazia)
2015	Alessandro Grottoli	The genome of Italian isolates of <i>Fusarium verticillioides</i> is characterized by unique regions	Senza borsa (copertura con assegni di ricerca)
2014	Marzia Beccaccioli	Oxylin-mediated cross-talk and their transcriptional regulation in the fungal maize pathogen <i>Fusarium verticillioides</i>	Borsa di Ateneo



2013	Sonia Roberta La Starza	Role of a pathogenic gene cluster in the interaction between <i>Aspergillus flavus</i> and <i>Zea mays</i>	Ex Art.6
2013	Chiara Pietricola	use of bio-phytopesticides derived from edible mushrooms for challenging fungal cereal pathogens.	Borsa di Ateneo
2012	Matteo Ludovici	Interaction between <i>Fusarium verticillioides</i> and <i>Zea mays</i> : relation between oxylipini cross-talk and fumonisin synthesis	Ex Art.6
2011	Marta Punelli	Study of the <i>Aspergillus flavus</i> - <i>Zea mays</i> interaction: a genomic, Phenomic and lipidomic approach	Borsa di Ateneo
2011	Marco Zaccaria	Cancer and filamentous fungi: convergent evolution of survival strategies	Borsa di Ateneo
2010	Marzia Scarpari	Isolation of bioactive compounds from the fungus basidiomycete <i>Trametes versicolor</i> and their mechanism of action in mycotoxigenic fungi	Borsa di ateneo
2009	Chiara Nobili	Study of the interaction between <i>Fusarium graminearum</i> and <i>Triticum aestivum</i> and development of diagnostic methods for the detection of fusariotoxins	Borsa Finanziata da enti terzi - ENEA
2008	Federico Punelli	Role of oxidative stress in ochratoxin A biosynthesis in <i>Aspergillus ochraceus</i>	Borsa di ateneo
2008	Valentina Tolaini	Prevention and biocontrol of <i>Penicillium expansum</i> , patulin producer in pome fruits, by antagonists and molecular techniques.	Borsa Finanziata da enti terzi - ENEA
2008	Antonella Del Fiore	"Early detection" on seeds cereals contaminated by toxigenic fungal and their derivative through the spectroscopy image and through technical molecular	Borsa Finanziata da enti terzi - ENEA
2008	Patrizia de Rossi	"Early detection" of <i>Aspergillus carbonarius</i> in berry grape and of ochratoxin a in wine through innovative diagnostic approaches	Borsa Finanziata da enti terzi - ENEA

## Part V - Society memberships, Awards and Honors

Year	Title
2023	Member of Italian Scientific Committee of European Fusarium Seminar (EFS16)
2020-2022	Vice-president of the Italian Society of Plant Pathology (SIPaV)
2019	Member of International Scientific Committee of European Fungal Genetics (ECFG15)
2010-2018	Member of the Italian Association of Cereal Science and Technology
2000-today	Member of the Italian Society of Plant Pathology (SIPaV)

## Part VI – Competitive funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2023-	TREX a prototype of a portable and	PRIN2022	45.000€

2025	remotely controlled platform based on THz technology to “measure” the ONE HEALTH vision: environment, food, plant health, security, human and animal health.		(I)
2023-2025	“La diagnosi come strumento di prevenzione per il contenimento <i>Xylella fastidiosa</i> : sviluppo ed ottimizzazione–DIACOX”	Ministero dell’agricoltura, della sovranità alimentare e delle foreste DIPARTIMENTO DELLE POLITICHE EUROPEE E INTERNAZIONALI E DELLO SVILUPPO RURALE DIREZIONE GENERALE DELLO SVILUPPO RURALE DISR IV	120.000€ (unit responsible)
2023-2027	MISURA-ANALISI-GESTIONE DEL CAMBIAMENTO AMBIENTALE	Dipartimenti di Eccellenza 2023/2027	7.125.690€ (co-PI)
2022-2025	ONFOODS - Spoke 4 - Fermented beverages studied by a metabolomics approach	PNRR Partenariati Estesi PE10 - Modelli per un'alimentazione sostenibile	60.000€ (I)
2022-2025	ONFOODS - Spoke 3 - Development of biopreservation strategies based on vegetables, fungi and starters to improve food safety in baked foods	PNRR Partenariati Estesi PE10 - Modelli per un'alimentazione sostenibile	60.000€ (I)
2022-2025	Spoke 9 - New technologies and methodologies for traceability, quality, safety, measurements and certifications to enhance the value and protect the typical traits in agri-food chains	PNRR Centri Nazionali CN2 - Agritech	1.633.391€ (PI)
2022-2025	Strengthening of the Italian RI for Metrology and Open Access Data in support to the Agrifood MetroFood-IT	Rafforzamento e creazione di IR nell’ambito del Piano Nazionale di Ripresa e Resilienza (PNRR)	520.000€ (Task responsible)
2022	MicroBiomes functional to produce healthy and safety Food	Sapienza - Award Horizon Europe	30.000€ (PI)
2020-2024	BIONUTRA” - Sviluppo di Nutraceutici da Fonti Naturali	Programma Operativo Nazionale «Imprese e Competitività» 2014-2020 FESR	52.965,25€ (I)
2020-2023	Sviluppo di nuove tecnologie nell'agricoltura di precisione per la produzione sostenibile di genotipi di patata con elevate qualità nutrizionali (Acronimo SOS TATA)	Programma Operativo Nazionale «Imprese e Competitività» 2014-2020 FESR	420.000€ (unit responsible)
2019	Integrated Smart PHYTOTRON for simulations of global change environmental conditions to analyze	Sapienza competition notices for large equipment	530.000€ (co-PI)

	and monitor in real time the morpho-functional effects of biotic and abiotic stress on natural and crop plant species. - n. protocollo GA11916BD0C2EE79		
2017-today	LIFE PRIMED “Restoration, management and valorisation of PRiority habitats of MEDiterranean coastal areas” (LIFE17NAT/GR/000511)	LIFE plus program	85.000€ (I)
2017-2020	Sviluppo di prodotti innovativi - biostimolanti e induttori di resistenza-requisiti in agricoltura e tecnologia integrata (IPM)	Programma Operativo Nazionale «Imprese e Competitività» 2014-2020 FESR	200.000€ (unit responsible)
2016	Linking above and below ground complexity: an interdisciplinary approach to assess shifts in biodiversity and carbon storage across chrono sequences	Sapienza competition notices	40.000€ (PI)
2013-2017	PROMozione della Salute del consumatore: valorizzazione nutrizionale dei prodotti agroalimentari della tradizione italiana (PROS.IT)	Cluster Tecnologico Agrifood Nazionale CL.A.N, Area 1: Nutrizione e Salute	150.000€ (I)
2013	Studio e sviluppo del processo di fermentazione continua per la produzione di laccasi di <i>Trametes versicolor</i> utili per la biodegradazione di aflatossine negli alimenti	Sapienza competition notices	12.000€ (PI)
2012-2014	Lipidomica dei funghi antartici per produrre PUFA ad alto valore aggiunto negli alimenti e nei mangimi	PNR Antartide 2013	40.000€ (PI)
2012	Gli enzimi ossidasici prodotti da <i>Trametes versicolor</i> come strumento biotecnologico per la detossificazione da micotossine	Sapienza competition notices	12.000€ (PI)
2011-2017	SI.C.U.R.A. Sicurezza e innovazione tecnologica Utile alla salvaguardia e valorizzazione dei prodotti tipici di oRigine Animale	PNF 2006-2009	120.000€ (I)
2011-2014	Improvement of feed quality and safety by using functional agents and novel detection system of toxic agents for the attainment of safe and high quality food of animal origin	Ministero della Salute - BANDO RICERCA FINALIZZATA 2009	170.000€
2011	Prevenzione e detossificazione delle micotossine nelle catene di alimenti e mangimi	Sapienza competition notices	7.000€ (PI)
2010-2014	Vafrumic. Valorizzazione qualitativa del frumento duro	(MiPAF). Bandi OIGA2009	157.200€ (unit

	attraverso la prevenzione della contaminazione e della contaminazione da micotossine		responsible)
2010	Prevenzione dell'accumulo di aflatoossina B1 dell'accumulo di aflatoossina B1 nel mais e M1 nel latte vaccino con biosensori basati su silice amorfo e metodi biomolecolari	Sapienza competition notices	14.000€ (PI)
2009-2013	MycoRED. Novel integrated strategies for worldwide mycotoxin reduction in food and feed chains	FP7 Food Quality and Safety Priority - Large Collaborative Project - GA 222690	120.000€ (I)
2008-2010	Analisi delle alterazioni fisiologiche e molecolari indotte nella mela dai metaboliti tossici di <i>Alternaria</i> spp	PRIN2008	18.200€ (I)

## Part VII – Research Activities

Keywords	Brief Description
Plant-pathogen interactions;	Lipid signalling in the interactions between crop plants and phytopathogens
Mycotoxins;	Oxidants and lipid regulators of mycotoxin gene expression and biosynthesis in crops
Integrated Crop protection;	Use of extracts of wood-degrading basidiomycetes as phyto-stimulants and bio-pesticides
Bioinformatics	Metagenomic and metabarcoding of crops and agricultural soils to detect/characterize pathobiome and beneficial microorganisms; machine learning models to predict phytopathogen distribution; quantum mechanics-based models to improve mycotoxin-degrading enzymes
Smart sensors	Lab on chip to detect mycotoxins in food and feed

### Brief Summary of Massimo Reverberi' career and scientific achievements

The core of my research is the communication between pathogens and plants; namely, I study the common basis that some molecules, such as reactive oxygen species (ROS) and lipids, provide to let these organisms interact. With this compass, I evaluate some pathosystems involving bacteria and fungi and their relationship with host plants. By this approach I focused on some crops such as wheat, maize and olive, discovering that, nonetheless the interaction, ROS and lipids always play a crucial role in determining the fate of the interaction. As example, a molecule, namely 9-hydroxyoctadecenoic acid, an oxylipin deriving by the oxidation of linoleic acid, act as a susceptibility factor in maize toward the mycotoxin producing fungi *Aspergillus flavus* and *Fusarium verticillioides* as well as in the xylem-inhabiting gram- bacterium *Xylella fastidiosa* or as attractant for the beneficial fungus *Trichoderma*. The thoroughly study of these systems allow me to deepen the knowledge of their genetic and physiology suggesting collateral project aimed to exploit it at the applicative level: sensors for catching nucleic acids and mycotoxins, bioinformatics/next gen seq to discover pathogens in complex matrix, individuation of antioxidant natural molecules to challenge these pathogens, mycotoxins detoxification strategies. Regarding this latter aspect, I exploit another trait of my career that concerns lignin degrading fungi. Starting from *Pleurotus eryngii* (studied for my PhD) and passing through *Lentinula edodes* and *Trametes versicolor*. I learn that these organisms by facing an extreme hostile environment have developed strategies to challenge other microorganisms competitors for their same niche. This type of basidiomycetes produces a vast machinery adopted for scavenging ROS, blocking the growth of competitors and degrading toxicants. These aspects of my studies allow me to find suitable and sustainable solutions to challenge plant pathogens and reduce the toxicity of mycotoxins.

The transformation of these ideas into proposals generated more than 20 granted projects that allow me to add

facilities in analytical chemistry and molecular biology to the already existing laboratory of mycology, led by Prof. Corrado Fanelli, and to recruit young and senior researchers other than funding several master and PhD thesis. In turn, this allows the lab of plant pathology (<https://plantpathologylab.com/>) to become a point of attraction for Italian and Foreign young researchers/students. Some of the most applicative ideas have been, in turn, transformed into commercial products (e.g., MONICA®) exploited through the innovative start-up SARA Envimob srl ([www.saraenvimob.com](http://www.saraenvimob.com)). Most of the projects granted have born as collaborations among several Italian and international groups allowing me to create an extended roster of collaborators. Currently, I'm coordinating an extended network is the coordination of 14 groups in Sapienza for the Spoke 9 of the PNRR National Center Agritech and the writing of the university textbook "Patologia Vegetale Molecolare" which gathers more than 70 authors from the major Italian Universities and Research Centers. The same ease of cooperation is demonstrated by the composition of the authors' roster of my scientific production.

## Part VIII – Summary of Scientific Achievements

### 1. Total scientific production

Product type	Number	Data Base	Start	End
Papers [international]	103	SCOPUS	2000	2023
Papers [national]	6			
Books [scientific]	5			
Books [teaching]	3			

Total Impact factor	315.328
Total Citations	2588
Average Citations per Product	30
Hirsch (H) index	29
Normalized H index*	1,27

\*H index divided by the academic seniority.

### 2. Scientific production related to the ASN – full professor and commission referee 07/D1

	Personal values	Median for Full professor 07/D1 AGR/12	Median for referee 07/D1 AGR/12
Publications (10 years)	<b>64</b>	18	28
Total Impact factor (10 years)	<b>258.653</b>		
Average impact factor per Product	<b>4.04</b>		
Total Citations (15 years)	<b>2106</b>	242	477
Average Citations per Product	<b>32.875</b>		
Hirsch (H) index (15 years)	<b>24</b>	9	13
Normalized H index* (15 years)	<b>1,6</b>		

\*H index divided by the academic seniority.

### 3. Participation to Editorial Board of Journals

2022-today Editor for Frontiers in Microbiology - Microbe and Virus Interactions with Plants

2022-today Editor for Journal of Fungi (special issue)  
 2020-today Associate Editor for Frontiers in Fungal Biology  
 2017-today Associate Editor for Frontiers in Microbiology  
 2014-today Associate Editor for Toxins  
 2013-today Associate Editor for Frontiers in Microbiology - Food Microbiology  
 2012-today Associate Editor per Journal of Plant Pathology

### Part IX– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any). \*corresponding author

n.	TITLE	AUTHORS	REFERENCE DATA (DOI)	JOURNAL IF	CITATIONS	YEAR
1	Genotypic and phenotypic versatility of <i>Aspergillus flavus</i> during maize exploitation	Reverberi, M.; Punelli M.; Valeria V.; Scarpari, M.; Uva P.; Mentzen W.I.; Dolezal A.L.; Woloshuk C.; Pinzari F.; Fabbri AA; Fanelli, C.; Payne GA; Yu JH	10.1371/journal.pone.0068735	3.534	30	2013
2	Lipids in <i>Aspergillus flavus</i> -maize interaction	Scarpari, M., Punelli, M., Scala, V., Zaccaria, M., Nobili, C., Ludovici, M., Camera, E., Fabbri, A.A., <b>Reverberi, M.*</b> , Fanelli, C.	10.3389/fmicb.2014.00074	3.989	40	2014
3	LDS1-produced oxylipins are negative regulators of growth, conidiation and fumonisin synthesis in the fungal maize pathogen <i>Fusarium verticillioides</i>	Scala, V., Giorni, P., Cirlini, M., Ludovici, M., Visentin, I., Cardinale, F., Fabbri, A.A., Fanelli, C., <b>Reverberi, M.*</b> , Battilani, P., Galaverna, G., Dall'Asta, C.	10.3389/fmicb.2014.00669	3.989	35	2014
4	Aptamer-based sandwich assay for on chip detection of Ochratoxin A by an	Costantini, F., Sberna, C., Petrucci, G., Reverberi, M.,	10.1016/j.snb.2016.02.036	5.667	47	2016

	array of amorphous silicon photosensors	Domenici, F., Fanelli, C., Manetti, C., De Cesare, G., Derosa, M., Nascetti, A., Caputo, D.				
5	Mycotoxins in harvested fruits and vegetables: Insights in producing fungi, biological role, conducive conditions, and tools to manage postharvest contamination	Sanzani, S.M., <b>Reverberi, M.*</b> , Geisen, R.	10.1016/j.postharvbio.2016.07.003	3.248	120	2016
6	Tramesan, a novel polysaccharide from <i>Trametes versicolor</i> . Structural characterization and biological effects	Scarpari, M., <b>Reverberi, M.*</b> , Parroni, A., Scala, V., Fanelli, C., Pietricola, C., Zjalic, S., Maresca, V., Tafari, A., Ricciardi, M.R., Licchetta, R., Mirabilii, S., Sveronis, A., Cescutti, P., Rizzo, R.	10.1371/journal.pone.0171412	2.766	17	2017
7	Lipid profile of <i>Xylella fastidiosa</i> subsp. pauca associated with the olive quick decline syndrome	Scala, V., <b>Reverberi, M.*</b> , Salustri, M., Pucci, N., Modesti, V., Lucchesi, S., Loreti, S.	10.3389/fmicb.2018.01839	4.259	5	2018
8	Oxylipins from both pathogen and host antagonize jasmonic acid-mediated defence via the 9-lipoxygenase pathway in <i>Fusarium verticillioides</i> infection of maize	Battilani, P., Lanubile, A., Scala, V., Reverberi, M., Gregori, R., Falavigna, C., Dall'asta, C., Park, Y.-S., Bennett, J., Borrego, E.J., Kolomiets, M.V.	10.1111/mpp.12690	4.379	35	2018
9	Root exudates of stressed plants stimulate and attract	Lombardi, N., Vitale, S., Turrà, D., Reverberi,	10.1094/MPMI-12-17-0310-R	3.649	97	2018

	trichoderma soil fungi	M., Fanelli, C., Vinale, F., Marra, R., Ruocco, M., Pascale, A., D'Errico, G., Woo, S.L., Lorito, M.				
10	Tramesan elicits durum wheat defense against the septoria disease complex	Scala, V., Pietricola, C., Farina, V., Beccaccioli, M., Zjalic, S., Quaranta, F., Fornara, M., Zaccaria, M., Momeni, B., <b>Reverberi, M.*</b> , Iori, A.	10.3390/biom10040608	4.879	8	2020
11	The Lipoxygenase Lox1 is involved in light- and injury-response, conidiation, and volatile organic compound biosynthesis in the mycoparasitic Fungus <i>Trichoderma atroviride</i>	Speckbacher, V., Ruzsanyi, V., Martinez-Medina, A., Hinterdobler, W., Doppler, M., Schreiner, U., Böhmendorfer, S., Beccaccioli, M., Schuhmacher, R., Reverberi, M., Schmoll, M., Zeilinger, S.	10.3389/fmicb.2020.02004	5.64	15	2020
12	The effect of <i>Fusarium verticillioides</i> fumonisins on fatty acids, sphingolipids, and oxylipins in maize germlings	Beccaccioli, M.; Salustri, M.; Scala, V.; Ludovici, M.; Cacciotti, A.; D'Angeli, S.; Brown, D. W.; <b>Reverberi, M.*</b>	10.3390/ijms22052435	6.208	9	2021
13	Aflatoxins are natural scavengers of reactive oxygen species	Finotti, E., Parroni, A., Zaccaria, M., Domin, M., Momeni, B., Fanelli, C., Reverberi, M.	10.1038/s41598-021-95325-8	4.997	14	2021
14	Mass Spectrometry-Based Targeted Lipidomics and Supervised Machine Learning Algorithms in Detecting	Scala, V., Salustri, M., Loreti, S., Pucci, N., Cacciotti, A., Tatulli, G., Scortichini, M.,	10.3389/fpls.2022.833245	6.627	1	2022



	Disease, Cultivar, and Treatment Biomarkers in <i>Xylella fastidiosa</i> subsp. pauca-Infected Olive Trees	Reverberi, M.				
15	Fungal and bacterial oxylipins are signals for intra- and inter-cellular communication within plant disease	Beccaccioli, M., Pucci, N., Salustri, M., Scortichini, M., Zaccaria, M., Momeni, B., Loreti, S., <b>Reverberi, M.*</b> , Scala, V.	10.3389/fpls.2022.823233	6.627	3	2022
16	Experimental–theoretical study of laccase as a detoxifier of aflatoxins	Zaccaria, M., Dawson, W., Russel Kish, D., Reverberi, M., Bonaccorsi di Patti, M.C., Domin, M., Cristiglio, V., Chan, B., Dellafiora, L., Gabel, F., Nakajima, T., Genovese, L., Momeni, B.	10.1038/s41598-023-27519-1	4.6	2	2023

## Part X– Full publications list

### Xa – Article in Journals

1. Consoli, S; Caggia, C; Russo, N; Randazzo, Cl; Continella, A; Modica, G; Cacciola, S; Faino, L; Reverberi, M; Baglieri, A; Puglisi, I; Milani, M; Minnolo, G; Barbagallo, S, Sustainable Use of *Citrus* waste as organic amendment in orange orchards, 2023, 10.3390/su15032482, 14, MDPI, WOS:000932562000001, 2-s2.0-85148038384, SUSTAINABILITY, 15, 3, 2482
2. Montemurro, Marco; Beccaccioli, Marzia; Perri, Giuseppe; Rizzello, Carlo Giuseppe; Reverberi, Massimo; Pontonio, Erica, A chestnut-hemp type-II sourdough to improve technological, nutritional, and sensory properties of gluten-free bread, 2023, 10.1016/j.ijfoodmicro.2023.110322, INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY, 404, 10322
3. Loncar, Jelena; Bellich, Barbara; Cescutti, Paola; Motola, Alice; Beccaccioli, Marzia; Zjalic, Slaven; Reverberi, Massimo, The effect of mushroom culture filtrates on the inhibition of mycotoxins produced by *Aspergillus flavus* and *Aspergillus carbonarius*, 2023, 10.3390/toxins15030177, 7, MDPI, WOS:000958249600001, 2-s2.0-85151108287, 36977069, TOXINS, 15, 3
4. Manetti, Giuliano; Brunetti, Angela; Lumia, Valentina; Sciarroni, Lorenzo; Marangi, Paolo; Cristella, Nicola; Faggioli, Francesco; Reverberi, Massimo; Scortichini, Marco; Pilotti, Massimo, Identification and characterization of *Neofusicoccum stellenboschiana* in branch and twig dieback-affected olive trees in Italy and comparative pathogenicity with *N. mediterraneum*, 2023, 10.3390/jof9030292, 10, MDPI, WOS:000957942600001, 2-s2.0-85151531077, JOURNAL OF FUNGI, 9, 3, 1, 22
5. Beccaccioli, Marzia; Moricca, Claudia; Faino, Luigi; Reale, Rita; Mineo, Mario; Reverberi, Massimo, The Neolithic site “La Marmotta”. DNA metabarcoding to identify the microbial deterioration of

- waterlogged archeological wood, 2023, 10.3389/fmicb.2023.1129983, WOS:000963342300001, 2-s2.0-85151923379, FRONTIERS IN MICROBIOLOGY, 14, 1, 10
6. Infantino, Alessandro; Belocchi, Andreina; Quaranta, Fabrizio; Reverberi, Massimo; Beccaccioli, Marzia; Lombardi, Danilo; Vitale, Marcello, Effects of climate change on the distribution of *Fusarium* spp. in Italy, 2023, 10.2139/ssrn.4348401, 7, Elsevier, WOS:000992660300001, 2-s2.0-85153568493, SCIENCE OF THE TOTAL ENVIRONMENT, 882
  7. Zaccaria, Marco; Dawson, William; Russel Kish, Darius; Reverberi, Massimo; Bonaccorsi di Patti, Maria Carmela; Domin, Marek; Cristiglio, Viviana; Chan, Bun; Dellafiora, Luca; Gabel, Frank; Nakajima, Takahito; Genovese, Luigi; Momeni, Babak, Experimental-theoretical study of laccase as a detoxifier of aflatoxins, 2023, 10.1038/s41598-023-27519-1, 13, Nature Publishing Group, 2-s2.0-85146403064, 36650163, SCIENTIFIC REPORTS, 13, 1
  8. Scala, V.; Faino, L.; Costantini, F.; Crosara, V.; Albanese, A.; Pucci, N.; Reverberi, M.; Loreti, S., Analysis of Italian isolates of *Pantoea stewartii* subsp. *Stewartii* and development of a real-time PCR-based diagnostic method, 2023, 10.3389/fmicb.2023.1129229, 8, Frontiers Research Foundation, WOS:000984494200001, 2-s2.0-85159067248, 37180265, FRONTIERS IN MICROBIOLOGY, 14, 1, 13
  9. Scala, Valeria; Salustri, Manuel; Loreti, Stefania; Pucci, Nicoletta; Cacciotti, Andrea; Tatulli, Giuseppe; Scortichini, Marco; Reverberi, Massimo, Mass spectrometry-based targeted lipidomics and supervised machine learning algorithms in detecting disease, cultivar, and treatment biomarkers in *Xylella fastidiosa* subsp. *Pauca*-infected olive trees, 2022, 10.3389/fpls.2022.833245, 8, Frontiers Media SA, WOS:000810489200001, 2-s2.0-85129776792, 35528940, FRONTIERS IN PLANT SCIENCE, 13
  10. Orekhova, Anastasia; De Angelis, Marta; Cacciotti, Andrea; Reverberi, Massimo; Rotili, Dante; Giorgi, Alessandra; Protto, Virginia; Bonincontro, Graziana; Fiorentino, Francesco; Zgoda, Victor; Mai, Antonello; Palamara, Anna Teresa; Simonetti, Giovanna, Modulation of virulence-associated traits in *Aspergillus fumigatus* by BET Inhibitor JQ1, 2022, 10.3390/microorganisms10112292, 13, MDPI, WOS:000895665300001, 2-s2.0-85144917834, 36422362, MICROORGANISMS, 10, 11, 1, 19
  11. Loncar, J.; Bellich, B.; Parroni, A.; Reverberi, M.; Rizzo, R.; Zjalic, S.; Cescutti, P., Oligosaccharides derived from tramesan. Their structure and activity on mycotoxin inhibition in *Aspergillus flavus* and *Aspergillus carbonarius*, 2021, 10.3390/biom11020243, 7, MDPI AG, WOS:000622132600001, 2-s2.0-85100593965, 33567727, BIOMOLECULES, 11, 2, 1, 13
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  13. Finotti, E; Parroni, A; Zaccaria, M; Domin, M; Momeni, B; Fanelli, C; Reverberi, M, Aflatoxins are natural scavengers of reactive oxygen species, 2021, 10.1038/s41598-021-95325-8, 7, Nature, WOS:000684557300002, 2-s2.0-85112593665, 34362972, SCIENTIFIC REPORTS, 11, 1, 1, 9
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  15. Beccaccioli, Marzia; Grottoli, Alessandro; Scarnati, Luca; Faino, Luigi; Reverberi, Massimo, Nanopore hybrid assembly of *Biscogniauxia mediterranea* isolated from *Quercus cerris* affected by charcoal disease in an endangered coastal wood, 2021, 10.1128/MRA.00450-21, 5, American Society for Microbiology, WOS:000712309700001, 2-s2.0-85117690441, 34672701, MICROBIOLOGY RESOURCE ANNOUNCEMENTS, 10, 42
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  21. Capotorti, G.; Bonacquisti, S.; Abis, L.; Aloisi, I.; Attorre, F.; Bacaro, G.; Balletto, G.; Banfi, E.; Barni, E.; Bartoli, F.; Bazzato, E.; Beccaccioli, M.; Braglia, R.; Bretzel, F.; Brighetti, M. A.; Brundu, G.; Burnelli, M.; Calfapietra, C.; Cambria, V. E.; Caneva, G.; Canini, A.; Caronni, S.; Castello, M.; Catalano, C.; Celesti-Grappow, L.; Cicinelli, E.; Cipriani, L.; Citterio, S.; Concu, G.; Coppi, A.; Corona, E.; Del Duca, S.; Del Vico, E.; Di Gristina, E.; Domina, G.; Faino, L.; Fano, E. A.; Fares, S.; Farris, E.; Farris, S.; Fornaciari, M.; Gaglio, M.; Galasso, G.; Galletti, M.; Gargano, M. L.; Gentili, R.; Giannotta, A. P.; Guarino, C.; Guarino, R.; Iaquinta, G.; Iriti, G.; Lallai, A.; Lallai, E.; Lattanzi, E.; Manca, S.; Manes, F.; Marignani, M.; Marinangeli, F.; Mariotti, M.; Mascia, F.; Mazzola, P.; Meloni, G.; Michelozzi, P.; Miraglia, A.; Montagnani, C.; Mundula, L.; Muresan, A. N.; Musanti, F.; Nardini, A.; Nicosia, E.; Oddi, L.; Orlandi, F.; Pace, R.; Palumbo, M. E.; Palumbo, S.; Parrotta, L.; Pasta, S.; Perini, K.; Poldini, L.; Postiglione, A.; Prigioniero, A.; Proietti, C.; Raimondo, F. M.; Ranfa, A.; Redi, E. L.; Reverberi, M.; Roccotiello, E.; Ruga, L.; Savo, V.; Scarano, P.; Schirru, F.; Sciarrillo, R.; Scuderi, F.; Sebastiani, A.; Siniscalco, C.; Sordo, A.; Suanno, C.; Tartaglia, M.; Tilia, A.; Toffolo, C.; Toselli, E.; Travaglini, A.; Ventura, F.; Venturella, G.; Vincenzi, F.; Blasi, C., More nature in the city, 2020, 10.1080/11263504.2020.1837285, 106, Taylor & Francis, WOS:000585975800001, 2-s2.0-85094561667, , PLANT BIOSYSTEMS, 154, 6, 1003, 1006
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#### ***Xc – Interviews/Press releases***

1. Interview on the topic: Volatile compounds in plant pathogen interactions. In “THE HEALTH OF A GORGEOUS GREEN WORLD” A FILM BY ELANIT RUBALCAVA 11.05.2023
2. Interview for CNA - Channel NewsAsia Singapore: Italy's olive harvest threatened, as deadly bacteria kills millions of trees 05.05.2023 <https://www.channelnewsasia.com/world/italy-olive-harvest-threatened-deadly-bacteria-millions-olive-trees-puglia-3467576>
3. Interview on the topic lipidomics to investigate olive quick decline syndrome. Scientific American magazine 25.05.2022
4. Branching Out, AI takes on a disastrous olive tree disease. Publication of the interview on the topic lipidomics to investigate olive quick decline syndrome. Scientific American magazine Scientific American 327, 2, 22 (August 2022) doi:10.1038/scientificamerican0822-22a
5. Intervista su “I Funghi” nel programma televisivo “Il Mondo Insieme”, condotto da Licia Colò su Tv2000  
[https://www.facebook.com/ilmondoinsieme/photos/a.423090584527194/1585400461629528/?type=3&locale=hi\\_IN](https://www.facebook.com/ilmondoinsieme/photos/a.423090584527194/1585400461629528/?type=3&locale=hi_IN) 29/11/2020

#### ***Part XI– Congresses***

##### ***Part XIa – Organization of Congresses***

1. Main Organizer of the 16th European Fusarium Seminar (EFS16), 12-15 June 2023, Roma ([www.efs16.org](http://www.efs16.org))
2. Main organizer of the hybrid conference: Le piante TEA: Possibilità e applicazioni nel modo dell'agroindustria 4.0, within the 2022 European Biotech week (EBW) 26.09.2022
3. Main Organizer of the 15th European Conference on Fungal Genetics (ECFG15), 17-20 February 2020, Roma ([www.ecfg15.org](http://www.ecfg15.org))

4. Co-organizer of the 22nd congress of SIPaV, 19-22 September 2016, Roma
5. Member of the organization committee of the International Symposium on Postharvest Pathology, 7-11 Giugno 2015, Bari

***Part XIb – Seminars as invited speaker***

1. PNRR: un piano per l'Agricoltura 4.0. M. Reverberi. Dai raccoglitori-cacciatori all'agricoltura di precisione: l'agricoltura è una continua sfida per combattere la fame nel mondo; Sala Capitolare della Repubblica Italiana all'interno del Convento Domenicano di Santa Maria sopra Minerva 17 Dicembre 2022.
2. From farm to fork: alimentazione e sostenibilità. M. Reverberi. Le Scienze della Sostenibilità 2022, Corso di Formazione Interdisciplinare Sviluppo Sostenibile: PNRR e il criterio DNSH online.
3. La salute delle piante, la salute dell'uomo. M. Reverberi Sostenibilità ed Innovazione nei Sistemi Agro-alimentari, Webinar per gli studenti delle scuole medie superiori 20 Aprile 2021. I funghi come "mediatori" di sostenibilità: la produzione di molecole di interesse agronomico da materiali di scarto di agro-industrie (progetto PON 2014-2020 Possibile). M. Reverberi. 2° Edizione del Corso di Formazione Sapienza "Scienze della Sostenibilità" Webinar, Roma, 12 Ottobre 2021
4. I funghi come "mediatori" di sostenibilità nella produzione agricola. M. Reverberi. Lezioni a Palazzo. Palazzo delle Esposizioni, Roma 16 Novembre 2021.
5. SALUTE DELLE PIANTE - SALUTE DELL'UOMO. M. Reverberi. LA NOTTE EUROPEA DEI RICERCATORI 2021; PROGRAMMA SCUOLE, 20 - 23 settembre 2021, Sapienza Università di Roma.
6. Microrganismi e salute delle piante: un connubio indissolubile. M. Reverberi. MICROORGANISMI STRAORDINARI. Mostra fotografica sui microrganismi osservati tramite sofisticate tecniche di microscopia tecniche di microscopia, Orto Botanico di Roma, 9 ottobre - 1 novembre 2020.
7. Control of aflatoxins contamination. ILL Grenoble, Grenoble (F) 09 December 2019
8. Relevance of mechanistic, Quantum Mechanics approaches in Biology. The Biology department of Boston College, Boston (US) 11 March 2019
9. Engineering a bioremediator: rational Directed Enzyme Evolution complements Artificial Selection. CEA/RIKEN, Kobe Japan 19 October 2018
10. Il problema delle micotossine negli alimenti: l'approccio delle biotecnologie industriali. Biotech week 26/9-02/10 2016. ENEA
11. The role of lipids in maize-mycotoxigenic fungi interaction. INRA, UR 1264 MycSA, Bordeaux, France 29 November 2013

***Part XIc – Contributions to congresses as selected speaker/invited speaker/keynote speaker***

1. Natural compounds from mushrooms to challenge plant pathogens/ M. Reverberi. 2nd International Molecular Plant Protection Congress- IMPPC2023, Bursa 15-18 May 2023 Orhangazi-Bursa, Türkiye. **Keynote Speaker**
2. Natural substances from mushrooms for controlling pathogenic fungi/ M. Reverberi, L. Faino, G. Gramegna, V. Cecchetti, M. Beccaccioli; 14° incontro della Microbiologia Farmaceutica, Prevenzione e terapia delle malattie infettive in un'ottica One Health. 23-24 Giugno 2023, Roma. **Invited Speaker**
3. Sistemi lab-on-chip per la determinazione in-situ di micotossine e funghi/ Costantini F, Lovecchio N, Reverberi M, Manetti C, de Cesare G, Nascetti A, Caputo D. VI Congresso Nazionale Micotossine e Tossine Vegetali nella filiera agro-alimentare. 10 giugno 2019, Roma. **Selected Speaker**
4. Control of Aflatoxins contamination. M. Reverberi. Seminar at ILL neutrons for Society, 9-10 Dicembre 2019, Grenoble. **Invited speaker**
5. Strumenti diagnostici innovativi per delineare strategie di controllo delle malattie nell'ambito delle piante ad interesse alimentare. M. Reverberi. GRIP THE FUTURE 1 luglio 2019 | Roma - Grow, Research, Innovation, People. **Invited speaker**
6. Purified and semi-purified trimesan for priming wheat defense against septoria complex disease/ Pietricola C., Farina V., Iori A., Quaranta F., Fornara M., Parroni A., Scarpari M., Scala V., Fanelli C., Reverberi M. 11 ° Convegno AISTEC "I CEREALI per un sistema agroalimentare di qualità" –

- Roma, 22- 24 Novembre 2017 **Invited speaker**
7. A pathogenicity cluster for exploiting maize kernels defences in *A. flavus*/ L. Antiga, S La Starza, C Miccoli, G O'Brian, GA Payne, S Xiaomei, S D'Angeli, C Fanelli, MM Altamura, Reverberi M; XXIII Convegno SIPaV Università Cattolica del Sacro Cuore, Piacenza 4-6 Ottobre 2017. **Selected Speaker**
  8. Understanding the role of *Aspergillus flavus* cluster 32 genes during the pathogenesis process of maize. Sonia Roberta La Starza, Massimo Reverberi, Corrado Fanelli, Ludovica Antiga. XXII congresso SIPaV-Società Italiana Patologia Vegetale, Roma 19-22 Settembre 2016. **Selected Speaker**
  9. Lipid signals in the interaction between mycotoxigenic fungi and their hosts, Reverberi M. 3a Edizione "International Symposium on Postharvest Pathology", Bari 7-11 Giugno 2015. **Keynote speaker**
  10. Role of a secondary metabolism gene cluster in the pathogenic interaction between *Aspergillus flavus* and *Zea mays*/ Miccoli, C; Reverberi, Massimo; Fanelli, Corrado; O'Brian, G; Payne GA; La STARZA S. XXI Convegno Nazionale SIPaV, Torino, 21-23 Settembre 2015. Torino, Italy, Torino 21-23 September:(2015), pp. 57-57. **Selected Speaker**
  11. Integrated aflatoxin management in maize/ Scarpari M., Bello C., Pietricola C., M. Zaccaria, M. Reverberi, S. Serranti, R. Bonifazi, A.A. Fabbri, C. Fanelli. International Mycotoxin Conference 19-23 May 2014 Beijing, China. **Selected Speaker**
  12. Genotypic and phenotypic versatility of *Aspergillus flavus* during maize exploitation / Reverberi, Massimo; Punelli, Marta; STARZA S, Scala, Valeria; Scarpari, Marzia; Uva, P; Mentzen, W; Dolezal, A; Woloshuk, C; Pinzari, F; Fabbri, Anna Adele; Payne, G; Fanelli, Corrado. Atti XIX Convegno Nazionale SIPAV: PADOVA (IT), 23 - 25 SETTEMBRE 2013, p. 129-129:(2013), pp. 129-129. **Selected Speaker**
  13. Novel strategies for the prevention, detoxification and diagnosis of some mycotoxins and mycotoxigenic fungi in different foodstuffs. International MPU Workshop 2012 - Plant Protection for the Quality and Safety of the Mediterranean Diet, Bari, Italy nel 24-26 October 2012. **Selected Speaker**
  14. Methodologies to prevent and control the biosynthesis of different mycotoxins in food and feeds / Reverberi, Massimo; Scala, Valeria; Fabbri, Anna Adele; Scarpari, Marzia; Fanelli, Corrado; C., Nobili; Zjalic, Slaven. - In: ACTA HORTICULTURAE. - ISSN 0567-7572. - STAMPA. - 963:963(2012), pp. 83-86. (Intervento presentato al convegno 1st International Symposium on Mycotoxins in Nuts and Dried Fruits tenutosi a Damghan, IRAN nel SEP 06-08, 2011) [10.17660/ActaHortic.2012.963.12]. **Invited speaker**
  15. Characterization and Identification of Oxidative Enzymes from the Ligninolytic Fungus *Trametes versicolor* as Potential Mycotoxin Degrading Agents / Scarpari, Marzia; Reverberi, Massimo; Zaccaria, Marco; Porretta, Daniele; Bello, Cristiano; Urbanelli, Sandra; Fabbri, Anna Adele; Fanelli, Corrado. - In: JOURNAL OF PLANT PATHOLOGY. - ISSN 1125-4653. - 94:4 (supplement)(2012), pp. 52-52. (Intervento presentato al convegno XVIII Convegno Nazionale della Società Italiana di Patologia Vegetale (S.I.Pa.V.) tenutosi a Sassari, Italy nel 24-26 settembre 2012). **Selected Speaker**
  16. Inibizione della biosintesi di differenti micotossine e loro degradazione nei cereali mediante l'impiego di composti bioattivi estratti dal basidiomicete *Trametes versicolor*. Reverberi M., Bello C., Fabbri A.A., Scarpari M., Fanelli C. IV Congresso Nazionale: Le micotossine nella filiera agroalimentare Roma, Italy 11-13 June 2012. **Selected Speaker**
  17. Inibizione della biosintesi di differenti micotossine nei cereali mediante l'impiego di composti bioattivi estratti dal basidiomicete *Trametes versicolor* / Reverberi, Massimo; C., Nobili; Scala, Valeria; Fabbri, Anna Adele; Scarpari, Marzia; Fanelli, Corrado. - STAMPA. - (2011). (Intervento presentato al convegno 8° Convegno AISTEC. Evoluzione e rilancio della filiera dei cereali: biodiversità, sostenibilità, tecnologia e nutrizione tenutosi a Aci Castello, Italia nel 11-13 maggio 2011). **Selected Speaker**
  18. The inhibition of mycotoxins biosynthesis by a-heteropolysaccharides of *Trametes versicolor* / Scarpari, Marzia; Fabbri, Anna Adele; Fanelli, Corrado; P., Cescutti, R., Rizzo, Y., Herasimenka; Alessandra, Ricelli; Punelli, Marta; Zjalic, Slaven; Reverberi, Massimo. - In: JOURNAL OF PLANT PATHOLOGY. - ISSN 1125-4653. - STAMPA. - 93:4 (supplement)(2011), pp. S20-S20. [10.4454/jpp.v93i4.2358]. XVII CONVEGNO NAZIONALE SIPAV tenutosi a Bologna, Italia nel 12 - 14 Settembre 2011. **Selected Speaker**

19. The lipid language of plant fungal interactions / Reverberi, Massimo; Punelli, Marta; Scarpari, Marzia; Alessandra, Ricelli; Fabbri, Anna Adele; Fanelli, Corrado. - STAMPA. - (2010). (Intervento presentato al convegno XX Congresso SITE tenutosi a Roma, Italia nel 27-30 settembre 2010). **Invited speaker**
20. Genes differentially expressed by *Aspergillus flavus* in the interaction with *Zea mays*. Punelli M., Reverberi M., Uva P., Mentzen W., Dolezal A.L., Woloshuk C., Fabbri A.A., Fanelli C. and Payne G.A. 13th MPU Congress, Rome 20-25 Giugno. **Selected Speaker**
21. Table grapes contamination by ochratoxin A: a novel issue in food quality. Ricelli A., Reverberi M., Fabbri A.A., Fanelli C., Donghia A., Ayoub F., and Yaseen T. 13th MPU Congress, Rome 20-25 Giugno. **Selected Speaker**
22. Study of the genes differentially expressed during the interaction between *Aspergillus flavus* and *Zea mays*/M. Punelli, M. Reverberi, P. Uva, W.I. Mentzen, A. Doležal, C. Woloshuk, M. Scarpari, A.A. Fabbri, C. Fanelli, G.A. Payne. XVI Convegno Nazionale S.I.Pa.V. Firenze 14-17 Settembre 2010. **Selected Speaker**
23. Mushrooms vs fungi: natural compounds from *Lentinula edodes* and *Trametes versicolor* inhibit mycotoxins biosynthesis by different toxigenic microfungi. Scarpari M., Fabbri A.A., Fanelli C., Zjalic S., Ricelli A., Reverberi M. The world mycotoxin forum 6th Conference Noordwijkerhout, The Netherlands 8-10 November 2010. **Selected Speaker**
24. Aflatoxin biosynthesis is correlated to peroxisome functionality, lipid metabolism and antioxidative stress in *Aspergillus flavus* / Punelli, Marta; Smith, C. A.; Ricelli, A.; Pinzari, F.; Cardinali, G.; Aspate, N.; Rubino, L.; Russo, S.; Payne, G. A.; Fabbri, Anna Adele; Fanelli, Corrado; Reverberi, Massimo. (2009). (Intervento presentato al convegno Fungal Genetics Conference tenutosi a Asilomar, USA nel 17-22/03/2009). **Selected Speaker**
25. An oxylipin-based cross talk occurs during the interaction between *Aspergillus ochraceus* and *Triticum durum* seeds / Reverberi, Massimo; Scarpari, Marzia; Punelli, Federico; Zjalic, Slaven; Ricelli, A.; Fabbri, Anna Adele; Fanelli, Corrado. (2009). (Intervento presentato al convegno 11° Convegno FISV tenutosi a Riva del Garda, Italy nel 23-25/09/2009). **Selected Speaker**
26. Lipoperoxidative events influence ochratoxin A biosynthesis in *Aspergillus ochraceus* during the interaction with *Triticum durum* seeds / Reverberi, Massimo; Scarpari, Marzia; Punelli, Federico; Zjalic, Slaven; Ricelli, A.; Fabbri, Anna Adele; Fanelli, Corrado. - STAMPA. - (2009). (Intervento presentato al convegno 1st SIBV Annual Congress tenutosi a Verona (Italy) nel 30th june–02nd july). **Selected Speaker**
27. Peroxisome functionality, lipid metabolism and oxidative stress affect aflatoxin biosynthesis and development in *Aspergillus flavus* / Punelli, Marta; C. a., Smith; A., Ricelli; F., Pinzari; G., Cardinali; N., Aspate; S., Russo; G. a., Payne; Fabbri, Anna Adele; Fanelli, Corrado; Reverberi, Massimo. XV Convegno SIPaV Centro risorse polivalente “Basile Caramia”, Locorotondo (Bari) 28/09-01/10 2009. **Selected Speaker**
28. Early detection of mycotoxigenic fungi and mycotoxins by different technical tools. Fanelli C., Fabbri A.A., Reverberi M., Caputo D., Nascetti A., de Cesare G., Bonifazi G., Serranti S., Ricelli A. Rapporto ISTISAN (ISS) 3° Congresso Nazionale: Le micotossine nella filiera agro-alimentare e zootecnica 28-30/09/2009 Roma. **Selected Speaker**
29. Biosintesi e controllo delle micotossine negli alimenti. Reverberi M., Fabbri A.A., Ricelli A., Fanelli C. VII Convegno AISSA "Agricoltura, Qualità dell'Ambiente e Salute". ANCONA 02 - 04 Dicembre 2009. **Invited Speaker**
30. Apyap1 affects aflatoxin biosynthesis during *Aspergillus parasiticus* growth in maize seeds / Reverberi, Massimo; Zjalic, Slaven; Punelli, Federico; Alessandra, Ricelli; Fabbri, Anna Adele; Fanelli, Corrado. - In: FOOD ADDITIVES AND CONTAMINANTS. - ISSN 0265-203X. - STAMPA. - 24:10(2007), pp. 1070-1075. (Intervento presentato al convegno Advances in Genomics, Biodiversity and Rapid Systems for Detection of Toxigenic Fungi and Mycotoxins MYCOGLOBE Conference tenutosi a Monopoli, Italy nel 26-29 September 2006) [10.1080/02652030701553244]. **Selected Speaker**
31. Cell redox balance, lipid metabolism and aflatoxin biosynthesis in *Aspergillus sect. flavi* / Reverberi,

- Massimo; Punelli, Marta; C., Smith; Punelli, Federico; Zjalic, Slaven; Alessandra, Ricelli; G., Payne; Fabbri, Anna Adele; Fanelli, Corrado. - In: JOURNAL OF PLANT PATHOLOGY. - ISSN 1125-4653. - STAMPA. - 89:3 (suppl.)(2007), pp. 21-21. (Intervento presentato al convegno S.I.Pa.V XIV National Meeting tenutosi a Perugia, Italia nel 19-21 Sept. 2007). **Selected Speaker**
32. Oxidant/antioxidant balance in *Aspergillus parasiticus* affects aflatoxin biosynthesis / Reverberi, Massimo; Zjalic, Slaven; Alessandra, Ricelli; Fabbri, Anna Adele; Fanelli, Corrado. - In: MYCOTOXIN RESEARCH. - ISSN 0178-7888. - STAMPA. - 22:1(2006), pp. 39-47. EU-USA Bilateral Workshop on Toxigenic Fungi & Mycotoxins tenutosi a New Orleans, USA nel July 5-7 2005) [10.1007/bf02954556]. **Invited speaker**
33. *Yap1*-like gene modulates aflatoxin biosynthesis in *Aspergillus parasiticus* / Reverberi, Massimo; Zjalic, Slaven; Alessandra, Ricelli; Punelli, Federico; Fabbri, Anna Adele; Fanelli, Corrado. - In: JOURNAL OF PLANT PATHOLOGY. - ISSN 1125-4653. - STAMPA. - 88:4(2006), pp. S24-S24. XIII Congresso Nazionale della Società Italiana di Patologia Vegetale tenutosi a Foggia, Italy nel 12-16 September 2006 **Selected Speaker**
34. Different approaches to study the interaction *Citrus/Phoma tracheiphila* reveal an important role played by oxidative stress / Betti, Camilla; Reverberi, Massimo; Zjalic, Slaven; Mattei, Maria Benedetta; Fabbri, Anna Adele; Fanelli, Corrado. - In: JOURNAL OF PLANT PATHOLOGY. - ISSN 1125-4653. - STAMPA. - 87:4(2005), pp. 275-275. S.I.Pa.V XII NATIONAL MEETING tenutosi a Reggio Calabria, Italy nel 29 September - 1 October 2005) [10.4454/jpp.v87i4.926]. **Selected Speaker**
35. A physiological and molecular approach reveals a possible mode of action of *Phoma tracheiphila* in its interaction with lemon / Betti, Camilla; Fabbri, Anna Adele; Alessandra, Ricelli; Fanelli, Corrado; Reverberi, Massimo. - In: JOURNAL OF PLANT PATHOLOGY. - ISSN 1125-4653. - STAMPA. - 86:4 (Special Issue)(2004), pp. 295-295. S.I.Pa.V XI NATIONAL MEETING tenutosi a Milano, Italy September 29 - October 1 2004 [10.4454/jpp.v86i4.998]. **Selected Speaker**
36. Responses induced by wounding in potato tubers: analysis of oxidative-stress related compounds production underneath the buds. Reverberi, Massimo; Fabbri, Anna Adele, Zjalic Slaven, Briganti Stefania; Fanelli Corrado. X Congresso nazionale SIPaV tenutosi a SORRENTO, ITALIA nel 1-3 ottobre 2003. **Selected Speaker**
37. Abiotic stress in Potato Tuber: Analysis of some factors related to Oxidative Stress / Reverberi, Massimo; Fabbri, Anna Adele; Zjalic, Slaven; S., Briganti; Fanelli, Corrado. - In: JOURNAL OF PLANT PATHOLOGY. - ISSN 1125-4653. - ELETTRONICO. - 84:3(2002), pp. 192-192. SIPaV 9th ANNUAL MEETING tenutosi a Roma, Italy nel 1-2 ottobre 2002) [10.4454/jpp.v84i3.1100]. **Selected Speaker**
38. Indoleacetic acid induces xylem formation instead of rooting in walnut (*Juglans regia* L.) microcuttings / Reverberi, Massimo; Falasca, Giuseppina; P., Lauri; E., Caboni; Altamura, Maria Maddalena. - In: PLANT BIOSYSTEMS. - ISSN 1126-3504. - STAMPA. - 135:1(2001), pp. 71-77. COST 8 22 Working Group Meeting tenutosi a ANCONA, ITALY nel OCT, 1999) [10.1080/11263500112331350670]. **Selected Speaker**
39. Genetic study of Italian populations of *Pleurotus eryngii* / Urbanelli, Sandra; Fabbri, Anna Adele; Reverberi, Massimo; L., Maddau; F., Marras; Fanelli, Corrado. - STAMPA. - (1998). (Intervento presentato al convegno I Workshop Cost-Action tenutosi a Atene (Grecia)). **Selected Speaker**

#### **Part XIId – Contributions to congresses**

1. Application of mushroom metabolites against mycotoxin production by *Fusarium* spp./ Marzia Beccaccioli, Rosita Silvana Fratini, Andrea Cacciotti, Valentina Cecchetti e Massimo Reverberi. EFS16 16th European Fusarium Seminar June 12-15, 2023. Rome, Italy
2. What the weather will be like? Fusarium Head Blight of durum wheat under an Italian climatic change scenario. Alessandro Infantino, Andreina Belocchi, Massimo Reverberi, Marzia Beccaccioli Danilo Lombardi, Marcello Vitale. EFS16 16th European Fusarium Seminar June 12-15, 2023. Rome, Italy
3. The Role of CRZ1 in Lipid Metabolism Regulation During *Fusarium verticillioides-Zea mays* interaction. Andrea Cacciotti, Marzia Beccaccioli, Luigi Faino, Stefania Vitale, Valeria Scala, Antonio Di Pietro, David Turrà, 1Massimo Reverberi. EFS16 16th European Fusarium Seminar June 12-15,

2023. Rome, Italy
4. The stress related transcription factor *crz1* plays pivotal functions in host perception and fumonisin biosynthesis during *Fusarium verticillioides* - *Zea mays* interactions/ Andrea Cacciotti, Marzia Beccaccioli, Luigi Faino, Stefania Vitale, Antonio di Pietro, David Turrà, Valeria Scala, Massimo Reverberi. ECFG16 16° European Conference on Fungal Genetics, 4-8 March 2023, Innsbruck
  5. D-protein specificity in *Fusarium oxysporum* FF.SPP. interactions/ Andrea Doddi, Giulia Lancia, Wessel Groot, Matteo Amadei, Maria Carmela Bonaccorsi, Giorgio Giardina, Martijn Rep, Massimo Reverberi, Bart Thomma, Luigi Faino. ECFG16 16° European Conference on Fungal Genetics, 4-8 March 2023, Innsbruck
  6. The (NAD)-dependent histone deacetylase SIRT-1 has a role on redox signaling and aflatoxin production in *Aspergillus flavus*/ Marco Zaccaria, Marzia Beccaccioli, Andrea Doddi, Rosita Silvana Fratini, Babak Momeni, Jeffrey Cary, Wei Qijian, Geromy Moore, Anna Adele Fabbri, Massimo Reverberi; ECFG16 16° European Conference on Fungal Genetics, 4-8 March 2023, Innsbruck
  7. Nanoparticelle di chitosano caricate con pulegone, un sistema alternativo di protezione antimicotica per la conservazione delle opere d'arte lignee / Beccaccioli, Marzia; Genova, Chiara; Lazzara, Alessandro; Masi, Alessia; Reverberi, Massimo; Sadori, Laura. - (2022). (Intervento presentato al convegno Convegno Annuale del Centro di Eccellenza - DTC Lazio tenutosi a Roma).
  8. Effetto di metaboliti naturali su crescita e sintesi di aflatossine in *Aspergillus flavus* / Beccaccioli, Marzia; Cecchetti, Valentina; Fratini, ROSITA SILVANA; Ragno, Rino; Reverberi, Massimo. - In: NATURAL 1. - ISSN 1721-1425. - (2022), pp. 1-2. (Intervento presentato al convegno Summer day Siroe 2022 tenutosi a Roma).
  9. Genome-barcoding (NGS) of quarantine bacterial pathogens relevant to the European Union: development and application with Nanopore methodology. V. Crosara, Scala V., Reverberi M., Faino L., Loreti S. XXVII Congresso della Società Italiana di Patologia Vegetale, Palermo 21 – 23 settembre 2022
  10. The stress related -calcium dependent- transcription factors CRZ1 is a pivotal factor in synchronising host perception and fumonisin biosynthesis in the *Fusarium verticillioides* – *Zea mays* interaction. Cacciotti A., Beccaccioli S., Vitale S., Di Pietro A., Turrà D., Scala V., Reverberi M., XXVII Congresso della Società Italiana di Patologia Vegetale, Palermo 21 – 23 settembre 2022
  11. Study of the oxylipinic profile of the model plant *Arabidopsis thaliana* artificially infected with *Xylella fastidiosa*. Santaera C., Cacciotti A., Beccaccioli M., Pucci N., Loreti S., Reverberi M., Scala V. XXVII Congresso della Società Italiana di Patologia Vegetale, Palermo 21 – 23 settembre 2022
  12. Virulence and host-specificity in *Fusarium oxysporum* ff. spp. Interactions/ A. Doddi, G. Lancia, W. Groot, M. Amadei, M.C. Bonaccorsi, M. Rep, M. Reverberi, L. Faino. XXVII Congresso della Società Italiana di Patologia Vegetale, Palermo 21 – 23 settembre 2022
  13. Potato late blight: detached leaf and in planta assays to evaluate *Phytophthora infestans* colonization in several potato varieties/ R.S. Fratini, M. Beccaccioli, M. Reverberi. XXVII Congresso della Società Italiana di Patologia Vegetale, Palermo 21 – 23 settembre 2022
  14. The Crz1 transcription factor regulates lipid metabolism and fumonisin production in *Fusarium verticillioides*. Beccaccioli M., Cacciotti A., Vitale S., Di Pietro A., Turrà D., Scala V., Reverberi M. 31° Fungal Genetics Conference 15-20 Marzo 2022 web congress
  15. The puzzle of mini-chromosomes and Fumonisins in *Fusarium verticillioides*. Faino L., Grottoli A., Beccaccioli M., Scala V., Aragona M., Fratini R.S., Reverberi M. 31° Fungal Genetics Conference 15-20 Marzo 2022
  16. *Xylella fastidiosa* subsp. pauca and plant communicate with a “plethora” of lipids entities dissected by chemiometry and supervised learning algorithms. Scala V., Salustri M., Pucci N., Scortichini M., Tatulli G., Reverberi M., Loreti S, 7th Xanthomonas Genomic Conference, Clearwater, Florida, U.S.A. 13-17 June 2022
  17. Lipid signals in phytopatogenic bacteria *Xylella fastidiosa*. Scala V., Pucci N., Scortichini M., Salustri M., Cacciotti A., Tatulli G., Reverberi M., Loreti S. 14th International Conference on Plant Pathogenic Bacteria (ICPPB), 3-8 July 2022, Assisi, Italy
  18. A rapid Multiwell Test to assay the effect of natural metabolites on growth and mycotoxin production of *Aspergillus flavus*/ Rosita Silvana Fratini, Marzia Beccaccioli, Valentina Cecchetti, Rino Ragno,



- Massimo Reverberi. The World Mycotoxin Forum, 13th conference, 16-18 May 2022, Parma
19. Detached leaf and in planta assays to evaluate late blight susceptibility and *Phytophthora infestans* growth in different potato varieties/ R. S. Fratini, M. Beccaccioli, M. Reverberi; OMGN2022 Meeting on Oomycete Biology, Pathology, and Ecology in Brno (Czech Republic) from Monday, August 22nd to Thursday, August 25th, 2022
  20. Next Generation Sequencing applied to Cultural Heritage: detection of microorganisms present on the parchment surface of an ancient Gradual of the 13th century/ Vassallo Y., Beccaccioli M., Cecchetti V., Faino L., Reverberi M. INTERNATIONAL BIODETERIORATION AND BIODEGRADATION SYMPOSIUM (IBBS 18) - ONLINE 6-9 September 2021
  21. Origin of dispensable chromosomes in *Fusarium verticillioides* strains/ Alessandro Grottoli, Luigi Faino, Marzia Beccaccioli, Valeria Scala, Massimo Reverberi. Plant Biology Europe 28/06-01/07 2021, Torino
  22. Signals in pathogen and host sensing: free fatty acid and oxylipins. Scala V., Pucci N., Salustri M., Modesti V., Lucchesi S., L'aurora A., Scortichini M., Zaccaria M., Momeni B., Reverberi M., Loreti S. 3rd European conference on *Xylella fastidiosa* and XF-ACTORS. Final meeting 26-30 April 2021. web congress.
  23. Phytopathogenic fungi threaten the *Quercus* genus in a coastal forest: detection of fungal diversity by Nanopore Sequencing/ M. Beccaccioli, V. Cecchetti, L. Faino, M. Reverberi; XXVI Congresso della Società Italiana di Patologia Vegetale 15 – 17 settembre 2021, online meeting
  24. The role of CRZ1 transcription factor in *Fusarium verticillioides* – *Zea mays* interaction/ A. Cacciotti, M. Beccaccioli, V. Scala, M. Reverberi. XXVI Congresso della Società Italiana di Patologia Vegetale 15 – 17 settembre 2021, online meeting
  25. Characterization of an effector gene in *Fusarium oxysporum*/ A. Doddi, M. Rep, M. Reverberi, L. Faino; XXVI Congresso della Società Italiana di Patologia Vegetale 15 – 17 settembre 2021, online meeting
  26. Draft genome sequence of a new *Fusarium* isolate collected from hazelnut in central Italy/ A. Grottoli, S. Turco, L. Faino, M. Reverberi, V. Cristofori, A. Mazzaglia. XXVI Congresso della Società Italiana di Patologia Vegetale 15 – 17 settembre 2021, online meeting
  27. Evolution of mini chromosomes in *Fusarium verticillioides*/ A. Grottoli, L. Faino, M. Beccaccioli, V. Scala, N. Ferrante, B. Massimo, M. Aragona, R.S. Fratini, M. Reverberi. XXVI Congresso della Società Italiana di Patologia Vegetale 15 – 17 settembre 2021, online meeting
  28. Role of lipid signals in the bacterial-plant pathogen *Xylella fastidiosa* dual state and during the interaction with the host/ V. Scala, N. Pucci, M. Salustri, V. Modesti, S. Lucchesi, A. L'Aurora, M. Scortichini, M. Zaccaria, B. Momeni, M. Reverberi, S. Loreti. XXVI Congresso della Società Italiana di Patologia Vegetale 15 – 17 settembre 2021, online meeting
  29. The Crz1 transcription factor regulates lipid metabolism and fumonisin production in *Fusarium verticillioides* / Beccaccioli, M.; Cacciotti, Andrea; Vitale, Stefania; Di Pietro, Antonio; Turrà, David; Scala, Valeria; Reverberi, M. ECFG15 15° European Conference on Fungal Genetics, 17-20 February 2020, Roma
  30. Signals in pathogen and host sensing: free fatty acid and oxylipins / Scala, Valeria; Beccaccioli, Marzia; Pucci, Nicoletta; Salustri, Manuel; Modesti, Vanessa; Lucchesi, Simone; L'Aurora, Alessia; Scortichini, Marco; Zaccaria, Marco; Momeni, Babak; Reverberi, Massimo; Loreti, Stefania. ECFG15 15° European Conference on Fungal Genetics, 17-20 February 2020, Roma.
  31. Supernumerary chromosomes in Italian *Fusarium verticillioides* strains/ Alessandro Grottoli, Luigi Faino, Marzia Beccaccioli, Valeria Scala, Massimo Reverberi. ECFG15 15° European Conference on Fungal Genetics, 17-20 February 2020, Roma.
  32. Quantum Mechanics Modeling of Aflatoxin degradation by *Trametes versicolor*'s Laccase/ Marco Zaccaria, William Dawson, Massimo Reverberi, Marek Domin, Takahito Nakajima, Luigi Genovese. ECFG15 15° European Conference on Fungal Genetics, 17-20 February 2020, Roma.
  33. Mycotoxins as host tissue colonization factors/ Simona M. Sanzani and Massimo Reverberi. ECFG15 15° European Conference on Fungal Genetics, 17-20 February 2020, Roma.
  34. Activity of oligosaccharides derived from Tramesan on aflatoxin inhibition in *Aspergillus flavus*/ Jelena Loncar, Barbara Bellich, Paola Cescutti, Roberto Rizzo, Slaven Zjalić, Massimo Reverberi.

- ECFG15 15° European Conference on Fungal Genetics, 17-20 February 2020, Roma.
35. Fungal and bacterial virulence: the conservative role of the oxylipins/ M. Beccaccioli, M. Reverberi, N. Pucci, S. Loreti, V. Scala; Regulatory Oxylipins 1-4 APRIL 2019, GHENT, BELGIUM
  36. A bioinformatic tool to detect and identify *Xylella fastidiosa*. Luigi Faino, Valeria Scala, Alessio Albanese, Nicoletta Pucci, Alessandro Grottoli, Vanessa Modesti, Alessia L'aurora, Massimo Reverberi, Stefania Loreti. LXIII SIGA Annual congress "science and innovation for sustainable agriculture intensification: the contribution of plant genetics and breeding" Napoli, 10-13 September, 2019
  37. *Fusarium verticillioides* Italian isolates are characterized by unique regions/ Grottoli A., Faino L., Beccaccioli M., Brown D.W., Blandino M., Scala V., Reverberi M. The 30th Fungal Genetics Conference at Asilomar March 12-17, 2019, California (US)
  38. Sphingolipid metabolism and programmed cell death: the pivotal role of the fumonisins produced by *Fusarium verticillioides*/ M. Beccaccioli, M. Salustri, D.W. Brown, V. Scala, M. Reverberi. The 30th Fungal Genetics Conference at Asilomar March 12-17, 2019, California (US)
  39. MONICA: a novel software for metagenomic analysis/ Albanese Alessio, Reverberi Massimo, Grottoli Alessandro, Pucci Nicoletta, Scala Valeria, Loreti Stefania, Faino Luigi. PEFMED Product Environmental Footprint: un'opportunità per rafforzare l'economia circolare nel settore agroalimentare 27 Maggio 2019, Roma
  40. Twitching motility and biofilm formation influenced by lipid entities selected by lipid profile of olive orchard / Scala, Valeria; Nicoletta, Pucci; Salustri, Manuel; Modesti, Vanessa; L'Aurora, Alessia; Marco, Scortichini; Reverberi, Massimo; Stefania, Loreti. - (2019). XXV National Congress Italian Phytopathological Society (SiPaV) 16-18 Settembre 2019, Milano
  41. Fatty acid metabolism in *Fusarium verticillioides* / Beccaccioli, Marzia; Cacciotti, Andrea; Scala, Valeria; Reverberi, Massimo. - (2019). XXV National Congress Italian Phytopathological Society (SiPaV) 16-18 Settembre 2019, Milano
  42. Effect of polysaccharide Trimesan as biostimulant and resistance inducer on different plants/ A. Parroni, P. Cescutti, C. Fanelli, R. Rizzo, S. Carpenito, N. Scotti, L. Gualtieri, M. Ruocco and M. Reverberi. XXV National Congress Italian Phytopathological Society (SiPaV) 16-18 Settembre 2019, Milano
  43. A new approach to identify *Xylella fastidiosa* in plant/ L. Faino, V. Scala, A. Albanese, N. Pucci, A. Grottoli, V. Modesti, A. L'aurora, M. Reverberi, S. Loreti. XXV National Congress Italian Phytopathological Society (SiPaV) 16-18 Settembre 2019, Milano .
  44. Stewart's wilt disease a genomic approach to investigate the likely origin site. Journal of Plant Pathology (2019) 101 (4), pp. 849-883. <https://doi.org/10.1007/s42161-019-00395-3>. Scala V., Faino L., Grottoli A., Pucci N., L'Aurora A., Reverberi M., Loreti S. 4th International Symposium on Biological Control of Bacterial Plant Diseases, 9-11 Luglio 2019 Viterbo
  45. Preliminary results of nanopore sequencing for the detection and the identification of *Xylella fastidiosa* subspecies and sequence types from naturally infected plant material. Faino L., Grottoli A., Scala V., Pucci N., Modesti V., L'Aurora A., Reverberi M., Loreti S. 4th International Symposium on Biological Control of Bacterial Plant Diseases, 9-11 Luglio 2019 Viterbo
  46. Lipids investigation in *Xylella fastidiosa* subsp. pauca strain De Donno lifestyle. Scala V., Reverberi M., Salustri M., Pucci N., Modesti V., Scortichini S., Loreti S. European Research on Emerging plant disease 2nd Joint Annual Meeting, Valencia (Spain), 23-26 October 2018, oral presentation. In book of abstracts pp 62
  47. *Xylella fastidiosa* subsp. pauca strain De Donno: a lipidomic point of view / Scala, Valeria; Reverberi, Massimo; Salustri, Manuel; Pucci, Nicoletta; Modesti, Vanessa; Lucchesi, Simone; Loreti, Stefania. - (2018). XXIV National Congress Italian Phytopathological Society (SiPaV) 5-7 Settembre 2018, Ancona.
  48. Survey of the presence of ochratoxigenic fungi in vineyards in northern dalmatia/ Lončar J., Jakopovic Z. Lacic A., Markov K, Reverberi M., Zjalic S. XXIV National Congress Italian Phytopathological Society (SiPaV) 5-7 Settembre 2018, Ancona.
  49. Assessing the variability of pathogenicity within a group of Italian isolates of *Fusarium verticillioides*, pathogen of *Zea mays*, differing in unique genes of virulence/ A. Grottoli, G. Giuliano, M. Beccaccioli,

- M. Blandino, D.W. Brown, V. Scala and M. Reverberi. XXIV National Congress Italian Phytopathological Society (SIPaV) 5-7 Settembre 2018, Ancona.
50. Sphingolipids in *Fusarium verticillioides* – *Zea mays* interaction / Beccaccioli, Marzia; Salustri, Manuel; Grottoli, Alessandro; Ludovici, Matteo; Scala, Valeria; Reverberi, Massimo. - (2018). XXIV National Congress Italian Phytopathological Society (SIPaV) 5-7 Settembre 2018, Ancona.
  51. A lipidomic approach to study the interaction of *Xylella fastidiosa* with *Olea europea* / Salustri, Manuel; Scala, Valeria; Pucci, Nicoletta; L'Aurora, Alessia; Modesti, Vanessa; Scortichini, Marco; Reverberi, Massimo; Loreti, Stefania. - (2018). XXIV National Congress Italian Phytopathological Society (SIPaV) 5-7 Settembre 2018, Ancona.
  52. Tramesan, an eco-friendly approach against septoriosi in durum wheat/ Scala V., Pietricola C., Covarelli L., Blandino M., Farina V., Beccari G., Tini F., Cescutti P., Parroni A, Zjalic S., Reverberi M., Iori A. XXIV National Congress Italian Phytopathological Society (SIPaV) 5-7 Settembre 2018, Ancona.
  53. Lipids profile of *Nicotiana tabacum* “Petite Havana SR1” inoculated with *X. fastidiosa* subsp. pauca strain De Donno. Scala V., Reverberi M., Salustri M., Pucci N., Modesti V., Lucchesi S., Loreti S. (2018). 6th *Xanthomonas* Genomics Conference (XGC 2018) and 2nd Annual EuroXanth Conference (COST action CA16107), Halle (Saale), Germany, 18 - 21 July. In program and abstracts pp 109
  54. HPLC and NMR analysis of the phenyl-ethanoid glycosides pattern of *Verbascum thapsus* L. cultivated in the Etnean area / Claudio, Frezzaa; Bianco, Armandodoriano; Serafini, Mauro; Foddai, Sebastiano; Salustri, Manuel; Reverberi, Massimo; Luca, Gelardi; Andrea, Bonina; Francesco Paolo Bonina. - STAMPA. - (2018), pp. 15-15. (Intervento presentato al convegno 6th MS-J-DAY - I giovani e la Spettrometria di Massa tenutosi a Roma).
  55. Bioinformatic as a tool to highlight and characterize extragenomic sequences within *Fusarium verticillioides* strains isolated from Italian *Zea mays* kernels/ A. Grottoli, G. Giuliano, M. Beccaccioli, M. Blandino, W. Sanseverino, R. Aiese Cigliano, V. Scala, M. Reverberi. 14th European Conference on Fungal Genetics Haifa, Israel, February 25 - 28, 2018
  56. A pathogenicity cluster for exploiting maize kernels defences in *A. flavus*. S. La Starza, C. Miccoli, G.A. Payne, S. D'Angeli, M.M. Altamura, M. Reverberi; 14th European Conference on Fungal Genetics Haifa, Israel, February 25 - 28, 2018
  57. Control of aflatoxin contamination in maize based feed by *Trametes versicolor*. M. Scarpari, L. Della Fiora, C. Dall'Asta, A. Angelucci, L. Bertocchi, A. Biancardi, L. Bignozzi, A. Parroni, C. Fanelli, M. Reverberi, J. Loncar, S. Zjalic. Workshop sul tema Biocontrollo di *Aspergillus flavus* e gestione di filiera, un futuro per maiscoltura e “latte italiano di qualità, 9 Febbraio 2017, Università Cattolica del Sacro Cuore, Piacenza
  58. Hyperspectral Imaging applied to monitor Septoriosi in Italian durum wheat/ Silvia Serranti Giuseppe Bonifazi Agata Trella, Chiara Pietricola Massimo Reverberi, Angela Iori; 3rd Conference on optical characterization of materials 22-23 March 2017 Karlsruhe; Germany
  59. Use of laccase enzymes from *Trametes versicolor* for reducing the amount of aflatoxin B1 into maize flour destined to dairy cows/ M. Scarpari, L. Della Fiora, C. Dall'Asta, A. Angelucci, L. Bertocchi, A. Biancardi, L. Bignozzi, A. Parroni, C. Fanelli, M. Reverberi, J. Loncar, S. Zjalic. 68th Annual Meeting of the European Federation of Animal Science. Tallinn, Estonia, 28 August - 1 September 2017
  60. New class of lipids compounds in *Xylella fastidiosa* strain Codiro. V. Scala, N. Pucci, S. Lucchesi, A. L'Aurora, M. Ludovici, M. Reverberi, S. Loreti. XXIII Convegno SIPaV Università Cattolica del Sacro Cuore, Piacenza 4-6 Ottobre 2017
  61. Interferences on the detection of *Xylella fastidiosa* in *Polygala myrtifolia* by real-time PCR/ V. Chiatti, N. Pucci, S. Lucchesi, V. Modesti, M. Reverberi, S. Loreti. XXIII Convegno SIPaV Università Cattolica del Sacro Cuore, Piacenza 4-6 Ottobre 2017
  62. Multitoxins detection in “I.G.P.” horticultural crops/ Parroni, M Scarpari, M Reverberi, L Mannina, C Ingallina, S Circi, A Sobolev, C Fanelli; XXIII Convegno SIPaV Università Cattolica del Sacro Cuore, Piacenza 4-6 Ottobre 2017
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Il sottoscritto esprime il proprio consenso affinché i dati personali forniti con la presente dichiarazione possano essere trattati nel rispetto del regolamento europeo n. 679/2016 e del D.Lgs. n. 675/1996, per gli adempimenti connessi alla procedura concorsuale e all'eventuale procedimento di assunzione in servizio.

Roma, 27/07/2023

prof. Massimo Reverberi

