

**INFORMAZIONI PERSONALI**

Cognome, Nome **MORETTI, ANTONIO**
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 Nationalità **Italiana**
 Data e luogo di nascita **01/09/1960**
 Cellulare **338 6701273**

ESPERIENZA LAVORATIVA

Date (da – a) 1989-A TUTT'OGGI
 Nome e indirizzo del datore di lavoro Istituto di Tossine e Micotossine da Parassiti Vegetali, divenuto dal 01.01.2001 Istituto di Scienze delle Produzioni Alimentari, Consiglio Nazionale delle Ricerche, Bari, Italia
 Tipo di azienda o settore Ente Pubblico di Ricerca
 Funzione o posizione Dirigente di Ricerca
 Principali mansioni e responsabilità Coordinamento attività di Ricerca, Proposizione e Responsabilità progetti di Ricerca
 Matricola 568

ISTRUZIONE E FORMAZIONE

Periodo (da – a) 1979-1987
 Nome e tipo di istituto di istruzione Facoltà di Scienze Agrarie, Università degli studi di Bari
 Principali materie / abilità professionali oggetto dello studio Patologia Vegetale
 Qualifica conseguita Dottore in Scienze agrarie

MADRELINGUA **Italiano**

ALTRE LINGUE

Livello
 Lettura Eccellente per entrambe le lingue
 Scrittura Buona per entrambe le lingue
 Espressione orale Eccellente per entrambe le lingue

FORMAZIONE
(principale)

1995 Borsa di studio di 3 mesi SU "Molecular genetics of *Fusarium*" della Japanese Society for Promotion of Science presso il Laboratorio di Patologia Vegetale della Facoltà di Agraria della Kinki University, Nara, Giappone
 1992-94 Borsa di studio CNR presso Istituto di Tossine e Micotossine da Parassiti Vegetali - CNR

- 1991-1992 Borsa di studio CNR su "Genetics of *Fusarium* and sexual compatibility of the toxigenic population of *Fusarium*" presso National Centre for Agricultural Utilization Research, United States Department of Agriculture, Peoria, USA
- 1989-1991 Borsa di studio CNR su "Chemical and genetic analysis of toxigenic fungi and their mycotoxins" presso Istituto di Tossine e Micotossine da Parassiti Vegetali - CNR

CAPACITÀ ORGANIZZATIVE (principali)

Coordinamento di Gruppi di ricerca sia in Istituto, sia ISPA, sia internazionali

Organizzazione di numerosi Meeting Internazionali

Vice-Presidente della Società Internazionale di Micotossicologia (ISM)

Attività di ricerca (Principali)

01 Dicembre 2017 – a tutt'oggi Coordinatore presso CNR-ISPA, per il Progetto MYTOX-SOUTH, "Intercontinental partnership to mitigate mycotoxins in developing countries" (<http://mytoxsouth.org>)

April 2016-a tutt'oggi Leader of WP8 "Communication, dissemination & exploitation" of the Horizon 2020 UE Project 678781 **Integrated and innovative key actions for mycotoxin management in the food and feed chain "MycoKey"**

2015-2017 Responsabile del Progetto Bilaterale CNR-CONICET (Argentina) "*Fusarium* species in cereals: ecophysiology on fumonisin production and its impact on food safety."

2015- 2017 Responsabile del progetto "**Evaluation of fungicide and biostimulant efficacy on maize plants for the reduction of mycotoxin contamination of maize kernels**" with funding of and in cooperation with Adama Makhteshim LTD.

2011-2015 Responsabile per ISPA Bari del Progetto Nazionale "Strengthening of High Education in the cereal food chain for the development of Agro-food system in Southern-Italy" PON01_01145/F1 CUPB78F11000180005 "ISCOCEM".

2011-2015 Responsabile del WP Study of *Alternaria* biodiversity for the improvement of quality and safety of cereal chain on the behalf of the National Project Integrated Knowledge for the sustainability and innovation of the *Made in Italy* Agro-food "CISIA"

2009-2014 Support leader of WP6 "**Advanced technologies for diagnostics, quantitative detection and novel approaches to control toxigenic fungi**" within the *Large collaborative project* of European Union "**MYCORED**" "Novel integrated strategies for worldwide mycotoxin reduction in food and feed chains", KBBE-2007-2-5-05 of 7th Framework

2009-to 2011 Responsabile per ISPA of the EFSA project "Modelling, predicting and mapping the emergence of aflatoxins in cereals in the EU due to climate change"

2006-to 2009. Responsabile per ISPA of Project "**Evaluation of fungicide efficacy on wheat kernels for the reduction of *Fusarium graminearum* incidence on Head Blight**" in cooperazione con Syngenta Crop Protection S.P.A.

2007-2010 Responsabile per ISPA of the MUR Project **AGROGEN** (Laboratory of GENomics for traits of AGRONomic importance in durum wheat: identification of useful genes, functional analysis and assisted selection by biological markers for the development of the national seed chain).

2000-2005 Responsabile per the Institute of the EU project of the Fifth Framework "Quality of life and Management of Living Resources" titled "**Sustainability, product safety and quality in cereals: development of novel quantitative models for risk assessment for mycotoxigenic *Fusarium* species**"

Attività di docenza

(Principali)

Tutor di 10 studenti PhD italiani e stranieri e 10 studenti italiani e stranieri di Master e Laurea brever

Numerose lezioni presso Corsi Universitari e corsi di Dottorato presso Università italiane ed Internazionali

Numerosi Seminari ad invito presso Università ed Enti Pubblici di Ricerca

Numerose presentazioni ad invito o selezionate in Congressi Nazionali ed Internazionali

Produzione scientifica

H Index 39 (ISI Web) ; 47 Google Scholar

125 articoli in International Scientific Journals (ISI)

1 Libro (editore)

15 Capitoli in libri

13 Articoli in giornali scientifici Nazionali non ISI

Oltre 200 abstract in convegni internazionali o nazionali

2 brevetti



Data 04/04/2020

Pubblicazioni scelte degli ultimi 5 anni

2020

- Ferrara M., A.F. Logrieco, A. **Moretti**, A. Susca. A loop-mediated isothermal amplification (LAMP) assay for rapid detection of fumonisin producing *Aspergillus* species. Food Microbiology, in press
- Susca A., A. Villani, A. **Moretti**, G. Stea, A.F. Logrieco. Identification of toxigenic fungal species associated with maize ear rot: Calmodulin as single informative gene. International journal of food microbiology. Vol.:319. Pages: 108491
- Tavakol Noorabadi M., Babaeizad V., Zare R., Asgari B., Haidukowski M., F. Epifani, G. Stea, A. **Moretti***, A.F. Logrieco, A. Susca. Isolation, Molecular Identification, and Mycotoxin Production of *Aspergillus* Species Isolated from the Rhizosphere of Sugarcane in the South of Iran. Toxins. Volume: 12. Issue: 2. *corresponding author

2019

- Brown, DW; A. Villani, A. Susca, A. **Moretti**, G. Hao, H.S. Kim, ; Proctor, Robert, S.P. McCormick. Gain and loss of a transcription factor that regulates late trichothecene biosynthetic pathway genes in Fusarium. Fungal genetics and biology, Volume: 136, Pages: 103317
- Lo Porto C., F. Palumbo, S. Somma, M. Masiello, A. **Moretti**, F. Fracassi, P. Favia. Plasma-assisted deposition of fungicide containing coatings for encapsulation and protection of maize seeds. Plasma Processes and Polymers, in press. DOI: 10.1002/ppap.201900022
- Fallahi M., H. Saremi, M. Javan-Nikkhah, S. Somma, M. Haidukowski, AF Logrieco, A. **Moretti***. Isolation, molecular identification and mycotoxin profile of *Fusarium* species isolated from maize kernels in Iran. Toxins, vol.5, Issue 11. DOI: 10.3390/toxins11050297 *= Corresponding Author
- Villani, A.; Proctor, R.H.; Kim, H.S.; Brown, D.W; Logrieco, A.F; Amatulli, M.T.; **Moretti, A.***, Susca, A. Variation in secondary metabolite production potential in the Fusarium incarnatum-equiseti species complex revealed by comparative analysis of 13 genomes. BMC Genomics, Volume: 20, Issue: 1, Pages: 314 *= Corresponding Author
- Moretti** A, Pascale M, Logrieco AF. 2019. Mycotoxin risks under a climate change scenario in Europe. *Trends in Food Science and Technology*, Volume: 84, Special Issue: SI Pages: 38-40.
- Somma S., Amatulli M.T., Masiello M., **Moretti A.***, Logrieco A.F. 2019. Alternaria species associated to wheat black point identified through a multilocus sequence approach. International journal of food microbiology Volume:293 Pages: 34-43. *= Corresponding Author
- Masiello M., Somma S., Ghionna V., Logrieco A.F., **Moretti A.** 2019. In Vitro and in Field Response of Different Fungicides against *Aspergillus flavus* and *Fusarium* Species Causing Ear Rot Disease of Maize. Toxins Volume:11 Issue:1

2018

- Ramires FA, Masiello M., Somma S., Villani A., Susca A., Logrieco A., Luz C., Meca G., **Moretti A.** Phylogeny and Mycotoxin Characterization of Alternaria Species Isolated from Wheat Grown in Tuscany, Italy. 2018.Toxins. Vol. 10, Issue 11, Article Number: 472
- Anelli, P, Peterson, SW, Haidukowski, M, Logrieco, AF , **Moretti**, A, Epifani, F, Susca, A . 2018. Penicillium gravinicaesei, a new species isolated from cave cheese in Apulia, Italy. International journal of food microbiology. Volume: 282 Pages: 66-70
- Leslie, John F.; Lattanzio, Veronica; Audenaert, Kris; **Moretti A.**, et al.. MycoKey Round Table Discussions of Future Directions in Research on Chemical Detection Methods, Genetics and Biodiversity of Mycotoxins. Toxins. Volume: 10 Issue: 3 Article Number: 109
- Munkvold, G. P.; Weieneth, L.; Proctor, R. H. ; Busman, M, Blandino, M , Susca, A , Logrieco, AF, **Moretti**, A. Plant disease. Volume: 102 Issue: 2 Pages: 282-291

2017

- Vanheule, A; De Boevre, M; **Moretti**, A; Scauflaire, J; Munaut, F; De Saeger, S; Bekaert, B; Haesaert, G; Waalwijk, C; van der Lee, T; Audenaert, K. 2017. Genetic Divergence and Chemotype Diversity in the Fusarium Head Blight Pathogen *Fusarium poae*. Toxins, 9, 9, art. nr. 255
- Laraba, I; Botregghda, H; Abdallah, N; Bouaicha, O; Obanor, F; Moretti, A; Geiser, DM; Kim, HS; McCormick, SP; Proctor, RH, Kelly, AC; Ward, TJ; O'Donnell, K. 2017 Population genetic structure and mycotoxin potential of the wheat crown rot and head blight pathogen *Fusarium culmorum* in Algeria. Fungal Genetics and Biology,103: 34-41.

2016

- Battilani, P; Toscano, P; Van derFels-Klerx, HJ; **Moretti**, A; Leggieri, MC; Brera, C, Rortais, A, Goumperis, T; Robinson, T. 2016.Aflatoxin B-1 contamination in maize in Europe increases due to climate change. ScientificReports,vol. 6. n° 24328
- Pasquali M; Beyer MK, Logrieco A, Audenaert K, Balmas V., Basler R.; Boutigny AL, Chrpova J,Czembor E, Gagkaeva T,Gonzalez-Jaen M, Hoffmann L, Levic J, Marin P, Miedaner T.; Migheli Q, **Moretti** A, Muller MEH, Munaut F, Parikka P, Pallez-Barthel M, Piec J, Scauflaire J, Scherm B,Stankovic S, Thrane U, Uhlig S, Vanheule A,Yli-Mattila T, Vogelgsang S. 2016. A European Database of Fusarium graminearum and F-culmorumTrichothecene Genotypes. Frontiers, vol. 7 n° 406
- Susca A, Proctor RH., Morelli M, Haidukowski M, Gallo A, Logrieco AF and **Moretti** A. Variation in fumonisin and ochratoxin production associated with differences in biosynthetic gene content in *Aspergillus niger* and *A. welwitschiae* isolates from multiple crop and geographic origins. 2016. Front. Microbiol. 7: n° 1412 doi: 10.3389/fmicb.2016.01412
- Villani A, **Moretti** A, De Saeger S, Han Z, Di Mavungu JD, Soares CMG, Proctor RH, Venâncio A, Lima N, Stea G, Logrieco AF, Susca A. A polyphasic approach for characterization of a collection of cereal isolates of the *Fusarium incarnatum-equiseti* species complex. 2016, International Journal of Food Microbiology; 234:24-35. doi: 10.1016/j.ijfoodmicro