PERSONAL INFORMATION

Nicola Mori

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Sex Male | *Date of birth* 29/03/1971 | *Nationality* Italy

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
☐ Mid-Management Level	☒ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

2020 - currently

Associate Professor in General and Applied Entomology (AGR/11) at the Biotechnology Department - University of Verona. Teaching courses include General and Applied Entomology in Viticulture, Food protection management, Biotechnology in crop pest management.
Research and experimentation assignment on Epidemiology and transmission of phytopathogenic agents, Developing effective, innovative, practical and sustainable strategies to protect the main fruit crops and vines from native and recently introduced pests, Biopesticides in food chain production.
Sector: Tertiary education and research

2019 - 2020

Associate Professor in General and Applied Entomology (AGR/11) at the Environmental Agronomy and Crop Protection Department - University of Padova. Teaching courses include General and Applied Entomology in Viticulture, Plant Health Biotechnologies, Food protection management, Nematology and Acarology, Biotechnology in crop pest management, Sustainable use of pesticide.
Research and experimentation assignment on Toxicological and ecotoxicological studies of pesticides on pollinators and other beneficials, Integrated pest management in agricultural crops.
Sector: Tertiary education and research

2009 - 2018

Researcher in General and Applied Entomology (AGR/11). Teaching courses include General and Applied Entomology in Viticulture, Plant Health Biotechnologies, General Biology.
Research and experimentation assignment on physiological and biochemical activity of pesticides and mechanisms of resistance of pest organisms, biocontrol agents.
Sector: Tertiary education and research

2003-2008

Research and experimentation assignment on Epidemiology and transmission of phytopathogenic agents, Integrated pest management in agricultural crops, Side effects of insecticides on beneficial organisms in agro-ecosystems funded by Phytosanitary Service of Veneto, Emilia Romagna and Abruzzo Region, Agro-environmental Sciences and Technologies Department of University of Bologna.

2001–2002

Research assignment in Integrated pest management in perennial crops at the Entomological Section of the Environmental Agronomy and Vegetable Production Department

EDUCATION AND TRAINING

2009- currently

Seminars and conferences at national level organized by the Italian Society of Entomology (SEI), the Italian Society for Plant Protection (AIPP) and at international level organized by the American Entomology Society (ESA), the International Council for the Study of Viruses and Virus-Diseases grapevine similar (ICVG) and by the International Organization for Biological and Integrated Control - Western Palearctic Regional Section (IOBC/WPRS),

2011 Fellowship at the Institute of Pesticides and Environmental Protection, Belgrade, Serbia

2010 Scholarship at the AlPlanta– Institute for Plant Research Neustadt / W., Germany

1998 - 2000 PhD in Crop Protection at the Biology and Plant Protection Department of University of Udine.

1990 - 1996 Laurea (Joint B.Sc. and M. Sc.) in Agricultural Science at the Environmental Agronomy and Vegetable

Production Department - University of Padova. 110/110 cum Lode

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English (proficiency user)

Job related skills

Scientific activities on fundamental and applied aspects of pest management to development a sustainable production in agriculture:

- Developing effective, innovative, practical and sustainable strategies to protect the main fruit crops and vines from native and recently introduced pests.
- Research on more efficient monitoring methods, use of mass-trapping, biocontrol agents, parasitoids and predators in integration with chemical and cultural practices on drupaceous plants, grapevines, olive trees and maize.
- Surveys on toxicological and ecotoxicological studies of pesticides on pollinators and other beneficials.
- Research of physiological and biochemical activity of pesticides and mechanisms of resistance of pest organisms.
- Good experience in pesticide products based on naturally occurring substances and agents in food chain production
- Investigations on the interactions between phytopathogenic agents-insect vector-host plant of the main phytoplasma diseases in grapevine and fruit crops.

Digital skills

Information processing, communication, content creation, problem solving (Independent user). Expert user of Microsoft Office, R-statistical analysis, and several equipment-related software

ADDITIONAL INFORMATION

Project leadership

Research projects, where I acted as Coordinator and as the Leader of a Research Unit:

European Union (EU project LIFE “Waxy matrix with embedded chemicals. A new Integrated Pest Management technology for a sustainable use of pesticides (WAMEC 4 IPM)”;

FP7 Framework “Strategies to develop effective, innovative and practical approaches to protect major European fruit crops from pests and pathogens (DROPSA)

Resistance management within E-Twinnin Project “MG 19 FED AG 01 21 “Appui au renforcement du dispositif de surveillance et de contrôle de la qualité et conformité sanitaire et phytosanitaire des produits agricoles et agroalimentaires à Madagascar”

National projects (PRIN-MIUR, Cariparo Foundation) and Regional (Veneto, Lombardia, Abruzzo, Trento, Emilia Romagna) project on IPM, pest alien control, insecticides resistance, biotechnologies applied to crop protection, bioinsecticides, epidemiology and control of phytopathogenic agents vectrors.

At National level, I’m the coordinator of the Technical-scientific Group on Cherry pest, member of the Technical-scientific Group on Quarantine Pest and member of the Task Force on Olive Quick Decline Syndrome disease - Working group Ecology and Management of insect vectors.

Scientific expert in the "Efficacy section" in the evaluation of Registrative dossiers for insecticides formulations for the Ministry of Agricultural, Food and Forestry Policies and the Ministry of Ecological Transition.

Referee Board

Bulletin of Insectology, Journal of Applied Entomology (since 2012), Crop Protection, Journal of Economic Entomology, Journal of Pest Science, Phytopathology, Plant Disease, Annals of Applied Biology (since 2015), European Journal of Plant Pathology, Insects (since 2018), Entomologia Generalis, Scientific reports (since 2019). He is part of the Editorial Board for Phytopathogenic Mollicutes (International Journal on Phytoplasma, Spiroplasma and other Phloem-limited Pathogens) (since 2019).

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Membership

Member of the Italian Society of Entomology (SEI), the Italian Society for Plant Protection (AIPP), the International Council for the Study of Virus and Virus-like Diseases of the Grapevine (ICVG) and the American Entomological Society (APS).

Part of the Management Committee of the Working Group International Organization for Biological and Integrated Control – West Palaearctic Regional Section (IOBC/WPRS), Group "Integrated Protection in Viticulture" Subgroup “Insects”

PhD examination board

Part of the National Commission for final PhD examinations at the Universities of Padova, Bologna, Torino, Milano, and Udine. International Commission for final PhD examinations at the Universities of Bolzano and Trento (Italy) and Groningen (Netherlands). International Committees for the progress in the career at The University of Agriculture, Faisalabad – Pakistan.

Public engagement

Invited speaker in technical-training meetings aimed at phytosanitary inspectors of the Phytosanitary Services, technicians and operators of producer associations, protection consortia, fruit and vegetable markets, social wineries. Dissemination and technology transfer activities, both nationally and internationally, through numerous publications in specific journals

In 2019 he was invited by journal Pathogens (together with Prof Piero Bianco) to edit a special issue entitled “Diagnosis, Molecular Characterization, Epidemiology and Management Tools for Grapevine Bois noir”. He edited the chapter “Insect pests of fruit: fruit flies” in “Integrated management of diseases and insect pests of tree fruit” Burleigh Dodds Science Publishing and the book Phytoplasmas: Plant Pathogenic Bacteria-II Transmission and Management of Phytoplasma Associated Diseases Springer

I’m in partnership with CHAFEA (Consumers, Health, Agriculture and Food Executive Agency) - concerning the organization and implementation of training activities on the sustainable use of pesticides, with a focus on Integrated Pest Management under the EUROPEAN PROGRAM "Better Training for Safer Food" (Call EU/BTSF - 2017 96 13).

PUBLICATIONS

Authorship

Author of more than 300 papers published in national and international journals, hundreds proceedings of congresses. H-index: 24, Citations 1938 (Scopus, access June 2024).

Peer reviewed 2024

Ankitha T.A., Naduvilthara U. Visakh, Berin P., Mori N., Rowida S. B., Shawer R. (2024). Phytochemical characterization of Callistemon lanceolatus leaf essential oils and its application as sustainable stored grain protectants against major storage insect pests. Sustainability 2024, 16(3), 1055; https://doi.org/10.3390/su16031055

Bjeljac M., Spitaler U., Mori N., Fusillo M., Bombardini E., Preti M., Caruso S., Vaccari G., Eben A., Lentola A., Angeli S., Schmidt S.. (2024) Canopy strip applications of Hanseniaspora uvarum combined with spinosad reduce insecticide use without compromising Drosophila suzukii control in cherry. Crop Protection, https://doi.org/10.1016/j.cropro.2024.106868 .

Berin P., Paul A., Naduvilthara U., Visakh U., Mori N., Rowida S. Baeshen, Shawer R. (2024) Exploring phytochemical characterization and insecticidal activities of Curcuma angustifolia Roxb. leaf waste essential oils against major stored product insects. Saudi Journal of Biological Sciences. 31 (2024) 103986 https://doi.org/10.1016/j.sjbs.2024.103986

Di Serio M.G., D’Ascenzo D., Giansante L., Del Re P., Bendini A. Casadei E., Gallina Toschi T., Mori N., Di Giacinto L.. " Effect of Halyomorpha halys infestation on the physicochemical composition and sensory characteristics of olive fruits and olive oils " ACS Food Science & Technology. https://doi.org/10.1021/acsfoodscitech.3c00438

Fellin L., Dal Zotto G., Lisi F., Chiesa S.G., Saddi A., Fusillo M., Anfora G., Biondi A., Mori N., Rossi Stacconi M.V. (2024) Assessment of non-target toxicity of insecticides on Ganaspis brasiliensis (Ihering) in laboratory and field conditions Pest Management Science https://DOI 10.1002/ps.8271

Geppert C. …..Mori N., ……Marini L (2024) Climate and landscape composition explain yield and management intensity in both conventional and organic vineyards. Agricultural Systems Journal 215 (2024) 103853 https://doi.org/10.1016/j.agsy.2024.103853

Gilioli G., Sperandio G, Simonetto A., Ciampitti M.A., Cavagna C., Bianchi A., Battisti A., Mori N., De Francesco A., Gervasio P.. (2024) Predicting the spatio-temporal dynamics of Popillia japonica populations", Journal of Pest Science https://doi.org/10.1007/s10340-023-01738-x

Gonella E, Benelli G, Arricau-Bouvery N, Bosco D, Duso C, Dietrich CH, Galetto L, Rizzoli A, Jović J, Mazzoni V, Mori N, Nieri R, Roversi PF, Strauss G, Thiéry D, Trivellone V, Virant-Doberlet M, Lucchi A, Alma A (2024) Scaphoideus titanus up-to-the-minute: biology, ecology, and role as a vector. Entomologia Generalis, https://doi.org/10.1127/entomologia/2024/2597

Gonella E, Benelli G, Arricau-Bouvery N, Bosco D, Duso C, Dietrich CH, Galetto L, Rizzoli A, Jović J, Mazzoni V, Mori N, Nieri R, Roversi PF, Strauss G, Thiéry D, Trivellone V, Virant-Doberlet M, Lucchi A, Alma A (2024) Scaphoideus titanus forecasting and management: quo vadis? Entomologia Generalis, doi: https://doi.org/10.1127/entomologia/2024/2598

Kolapparamban Aisha, Naduvilthara U. Visakh, Berin Pathrose, Nicola Mori, Rowida S. Baeshen, Rady Shawer (2024) Extraction, Chemical Composition and Insecticidal Activities of Lantana camara L. Leaf Essential Oils against Tribolium castaneum, Lasioderma serricorne and Callosobruchus chinensis. Molecules 2024, 29(2), 344. https://doi.org/10.3390/molecules29020344

Pierro R., Quaglino F., Mori N., Marcone C., Romanazzi G. (2024) Bois noir management strategies in vineyard: a review" Front. Plant Sci., 27 March 2024 Sec. Plant Abiotic Stress Volume 15 - 2024 https://doi.org/10.3389/fpls.2024.1364241

Sanna F., Mori N., Santoiemma G., Pozzebon A., Scaccini D., Marangoni F., Sella L. (2024) Halyomorpha halys (Hemiptera: Pentatomidae) as the major responsible of early olive drop in Italy. Journal of Economic Entomology, https://doi.org/10.1093/jee/toae126

Santoiemma G., Battisti A., Ciampitti MA., Cavagna B., Bianchi A., Brugnaro S., Itamar Glazer I., Gilioli G., Mori N. (2024) Soil application of Popillia japonica control agents to turf with a new soil injector. Phytoparasitica (2024) 52:21 https://doi.org/10.1007/s12600-024-01149-3

Santoiemma, G., Glazer, I., Battisti, A., Bianchi, A., Fanelli, E., Mori, N., Sacchi, S., Tarasco, E., Troccoli, A., & De Luca, F. (2024). Occurrence and diversity of the entomopathogenic nematode Oscheius myriophilus (Nematoda: Rhabditida) in the Italian outbreak area of Popillia japonica (Coleoptera: Scarabaeidae). Nematology, 26(7), 817-831. https://doi.org/10.1163/15685411-bja10341

Verona, 26th September 2024

Prof. Nicola Mori