

Raffaele Testolin

Curriculum vitae

Personal statement

Senior professor at University of Udine, Italy

Co-Founder and member of the BOD of the Applied Genomics Institute (IGA), Udine, Italy

Education & academic carrier

1977 Master (Laurea) in Agriculture (specialty Crop Science), University of Padua, Italy; 1978-1981 EU grant at the Dept of Agronomy & Crop science, University of Padua; 1981 Scientist, University of Padua; 1981-1992 Assistant Professor of Fruit Science, University of Udine; 1992-2000 Associate Professor of Fruit Science, University of Udine; 2000- 2020 Professor of Fruit Science, University of Udine; 2020 retired with the position of senior professor.

Academic services

Has served at University of Udine as member of the Board of Directors, member of Academic Senate, head of Department of Agriculture and Environmental Sciences, director of the Doctorate School of Agricultural Science and Biotechnology, president of the Intellectual Property Rights and Patents Commission, coordinator of the School of Agriculture, director of the University agricultural experimental farm.

Teaching

Fruit Genetics and Breeding at University of Bologna (1995-1998), Fruit science at University of Udine (2001-2020), Grape Genetics and Breeding at University of Udine (2001-2004), Biotechnology applied to fruit crops at University of Udine (2004-2010), Genetic Resources in Agriculture at University of Udine (2008-2017), Grape genetics and breeding at the Vinifera Master, Montpellier, France (2015)

Extra academic activity

Member of Int and Natl panels of experts for the evaluation of research projects

Peer reviewer of Universities and Research Institutions

Member of the Board of Editors of Agronomy, Resources Environment and Sustainability.

Ad hoc editor of Frontiers in Plant Sciences

Ad hoc referee of 60+ international scientific journals in the field of molecular genetics, breeding and horticulture.

Overseas research experience

1983 Visiting scientist, ARO, The Volcani Center, Israel

1986 Research fellow, University of Georgia, Athens GA, USA

1990-91 Research fellow, Dept Scientific & Industrial Research, Auckland, New Zealand.

1992 Research fellow, Dept Scientific & Industrial Research, Auckland, New Zealand

1993 Visiting professor, Actinidia germplasm repositories in China (Beijing, Wuhan, Guilin)

1996 Research fellow, HortResearch, Auckland, New Zealand

Affiliations

Member of the Italian Horticultural Society (Società Orticola Italiana, SOI, 1983-)

Member of the International Society for Horticultural Science (ISHS) (1985-)

Member of the American Society of Plant Taxonomists (ASPT) (1995-2017)

Member of the International Society of Plant Molecular Biology (ISPMB) (1995-)

Member of the Italian Soc. Crop Genetics (Società Italiana di Genetica Agraria, SIGA, 2000-)

Member of the Eucarpia-Fruit Breeding (2001-)

Member of EUFRIN-Biotech (2005-)

Fellow of the Accademia Nazionale di Agricoltura (National Academy of Agriculture, 2016-)

Fellow of the Accademia dei Georgofili (Academy of Georgofili, 2018-)

Fellow of the Accademia della Vite e del Vino (Academy of Grape and wine, 2019-)

Awards

Honorary fellow of HortResearch, New Zealand (1996)

Digital skill

MS Office, Field statistics (MStat), Genetic analysis (JoinMap, Map QTL, Cervus, GenAlex, Arlequin and others) & Bioinformatics packages

Communication

Written/Spoken: Italian (mother language), English. Understood/Read: French, Spanish

Research fields and expertise

- Isolation of microsatellite DNA in fruit crops (kiwifruit, peach, almond, apricot, olive, grape, strawberry) and their use in population genetics and forensic genotyping
- Molecular taxonomy, domestication and genetic diversity of fruit crops
- Kiwifruit genetics and breeding (genetics of dioecy, mapping and cloning quality traits, breeding for novel fruit)
- Grape genetics and breeding (mapping and cloning genes for disease resistances, anthocyanin biosynthesis pathway, genetic determinants of aromatic profiles)
- Apple genetics and breeding (resistance genes and associated markers, breeding for novel fruit by combining disease resistance and fruit diversity)
- Apricot genetics (mapping and cloning the resistance to Plum Pox Virus, Sharka)
- Kiwifruit crop science and management

Patents

Plant variety patents: 24 kiwifruit and grapevine cultivars registered at the EU CPVO

Publications and metrics

More than 260 scientific papers, books and book chapters.

Metrics from the Web of Science (interrogated 14/08/2021): Total pub 114, Citations 5236, Citations without self- 5049, Average citations/item 47.15, H index 38

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