



Dipartimento di Scienze Agrarie, Forestali e Alimentari
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Curriculum Vitae

Prof. Carlo Grignani

Personal information

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Education and training

1981: Master of Science in Agricultural Science (University of Turin, I)

1984: 6 months training at INRA-Clermont Ferrand (F) on methods to study N and C turn-over in mountains pastures.

Academic career

1983-1988: Post-doc equivalent position at the Institute of Crop Science of University of Turin;

1988-1992: University Researcher

1992-2000: Associate Professor of Agronomy and Crop Science

2000-present: Full Professor of Agronomy and Crop Science at DISAFA, University of Turin (I)

Teaching

1998 - present: continuously responsible of several Bachelor and Master University courses and of several students for their final research projects and thesis; at present he teaches Agronomy (8 ECTS), Manure use and management (4 ECTS) (undergraduate level), and Agricultural Ecology (4 ECTS), (Master level).

2006-2012: he teaches Environmental Evaluation (1 ECTS) in the Master for Project Techniques for Environmental Evaluation in the Polytechnic of Turin.

1998-2010: responsible of the organisation of residential interdisciplinary practical training courses of 3rd year students of Agriculture Science and Technology Bachelor degree.

1998-present: manager of several Erasmus, Socrates, Alpha and Marie Curie programs for bachelor, Master and PhD students and for teacher exchange programmes among European and South American Universities.

1998-present: member of the Doctoral School of Agriculture Forestry and Food Science and tutor of six PhD students

2000-present: invited member for PhD defense jury by Italian, French and Belgian Universities.

University management responsibilities

2001-2007: president of the Faculty of Agriculture Central Library Commission and of the Faculty for Agriculture Socrates Commission.

2005-2007: coordinator of a Bachelor degree course in Agriculture Science and Technologies.

2008-2012: Director of the University Department Agroselviter (20 teaching staff, 18 technicians and administrative staff, 35 non permanent position staff members, 2011 budget of 4,7 MEuro).

2008-2012: he is part of the steering commission of Department Directors and Administration Secretaries of the University of Turin.

2011-2015: he is one of the three elected members in the National University Counsel (CUN) representing Agriculture Science and Veterinary Medicine faculty members .

2015 – 2018: President of the Bachelor and the two Master Degrees programs dealing with Agricultural Sciences in DISAFA

2018 – present: Director of DISAFA, member of the Senate of the University of Turin

Scientific Responsibilities in other Organisations

2011-2015: member of the scientific group of the Tender for supporting the European Commission for implementing the Nitrate Directive in Europe (period 2012-2014).

2004-2006: member of the commission of the Italian Ministry for Agriculture, Food and Forestry Policies on animal husbandry in organic farming.

2006-2012: member of the Nitrate Directive commission of the Piedmont Region in Italy

2007-2010: scientific expert of the Technical Commission on fertilizers of the Italian Ministry for Agriculture, Food and Forestry Policies.

2009-2011: member of the Northern Italy inter-regional working group for designing the derogation to the Nitrate Directive.

2009-2013: member of the steering group for the evaluation of the application in Piedmont of the Program for Rural Development.

2010 and 2011: Invited expert in two workshops of the European Project DireDate promoted by Eurostat for the selection of new agro-environmental indicators for the classification of European farms.

2011: Invited expert in the workshop “NPK - will there be enough plant nutrients to feed a world of 9 billion in the year 2050? An Anticipation Study” organized by the European Commission's Joint Research Centre.

2015: invited expert by Science Europe in the workshop “Research Infrastructure at the academia-industry interface: The role of European networks”.

Research

He has published over 200 publications, of which 36 on international peer reviewed journals (of which 16 from 2011 to 2015), 55 on national peer reviewed scientific journals, 58 on technical extension journals, 9 book chapters. H index in Scopus is 18 and citations are 760.

His scientific activity has taken into account several areas dealing with Agronomy, Crop Science and Soil Science.

At first he has mainly studied forage production problems both related to rangeland management and intensive agriculture. His main actual interests are now centred on the Agronomy of conventional and organic cropping systems, with a specific focus on fertilization problems. Mineral and organic fertilizers, manure and soil improvers are studied to enhance their fertilization efficiency, soil quality and environmental sustainability. The effects of different agronomic management strategies on nutrients availability, cycling to harvested plant or plant residues, fate in the soil, contribution to gaseous losses, and evolution of soil organic matter are studied at various scales: pot, soil column, field, farm, catchment. C and N modelling is often used to relate different scales of study and explore new methods to prevent nutrient losses to surface and ground water and gaseous emissions from the soil. At a larger scale his research is aimed at understanding the multiple relationships between economically viable cropping systems and environment.

At the European level he is at present partner of one Life+ projects, one Marie Curie ITN project and two CA projects under FP7 framework. He has coordinated national research projects, some of which were financed by the Italian Ministry of Agriculture. Other coordinated projects are locally financed by the Italian Piedmont Region. He is now responsible of a research unit in a national PRIN research program and of two Regional interdisciplinary programs.

He coordinates a research group that includes an Associate Professor, a graduated technician, two post-doc fellows, one PhD student, and four non permanent technicians.

Referee activity

He is active as referee for research proposals of the Italian Ministry for the Education University and Research (MIUR), of the Department of Agriculture of the Lombardy Region in Italy, of the University of Padova, and Naples in Italy.

In 2011 he is Guest editor of a Special issue of Agriculture Ecosystem & Environment.

He is referee of the following journals: European Journal of Agronomy, Journal of Environmental Management, Agriculture Ecosystems & Environment, Geoderma, Hydrology and Earth System Sciences, Organic Agriculture, Grass and Forage Science, Agrochimica, Italian Journal of Agronomy.

Scientific Societies and Academies

He is member of Italian Society of Agronomy and American Society of Agronomy.

He is member of the Academy of Agriculture of Turin.

2002-2007: Secretary of the executive board of the Italian Society of Agronomy

2015-2019: President of the Italian Society of Agronomy