

The undersigned Pietro Columba was born in Palermo on 27/11/1958, graduated in Agricultural Sciences, Faculty of Agriculture of Palermo on 14/01/1982, with highest honors.

On 19/06/87 he received the title of Philosophy Doctor in Agricultural Economics and Policy. Full Professor in Agricultural economics and land valuation from January 4 2008 at the University of Palermo.

#### RECENT TEACHING ACTIVITY

- Yearly teaching “Institutions of Economics” (60 hours, 6 credits) at the Master of Science and technologies in Agriculture, University of Palermo;
- Yearly teaching discipline and “Economy of quality and certification”, (60 hours, 6 credits), Teaching of Quality, certification and marketing of agri-food system (120 hours, 12 CFU), in the course of Bachelor of Science in Entrepreneurial Management and Quality System for Agro-Food, University of Palermo;
- Lectures (8 hours) Course to Master Level II: "Governance, logistics and quality of the food chain" for the module "Governance and Management of Food Chain and enterprise", University of Palermo.
- Lectures (8 hours) Course to Master Level II: "Culture and Communication of taste" for the module "economics of quality and certification", University of Palermo.
- Lectures (8 hours) Course to Master Level II: "Governance, logistics and quality of the food chain" for the module "Governance and Management of Food Chain and enterprise", University of Palermo.
- Lectures (8 hours) Course to Master Level II: "Hydraulic management and soil conservation" for the module "convenience judgment on public investments", University of Palermo.
- Lectures (10 hours) Course to Master Level: "Hospitality management Food & Beverage", University of Palermo.
- Lectures at the KIWiS - Kore International Winter School: Spaces for the real life. Faculty of Engineering and Architecture, Kore University of Enna.

#### PhD Thesis:

- \* Supply and demand of organic products: a market adjustment phase (cycle XVIII 2007, Faculty of Agriculture, supervisor).
- \* Biofuels: Food or fuels? Competition between the main liquid biofuels and food prices (XXI cycle 2010, Faculty of Agriculture, supervisor).
- \* The relationship capital in the productive systems of the Brunello di Montalcino DOCG and DOC

Alcamo (XXIII cycle 2012, Faculty of Agriculture, supervisor).

\* The spatial components of rural development: the case study of Caltagirone (XXIII cycle 2012, Faculty of Agriculture, supervisor).

## SCIENTIFIC ACTIVITIES

The scientific activity of the undersigned has been paid to issues of business economics, both for innovative cultures (kiwi and tropical fruit) and traditional (olive, citrus, peach), the economy connected with environmental issues (use of biomass for energy, peri-urban agriculture, organic farming), agricultural policy, agri-environment (applications of the CAP at the regional level, the effects of the "accompanying measures" territorial pacts) and forestry, as well as issues related to the market (organic products, and fruit crops of citrus). Not all of the studies can be ascribed to clearly to one of the issues mentioned having issues sometimes treated in different aspects (business and market, business and agricultural policy, environmental and market, etc..).

Since 2007, deals with issues related to quality and safety in the food system both in research and in teaching. In recent years, is main interest focused on the relational and cultural aspects and interactions with the environment in establishing a regional system of quality.

Below are the main scientific activities.

- Business
- Study of environmental interest
- Agricultural policy, agri-environment and forestry
- The Market Economy
- Economics of Quality
- Sustainable development

Has collaborated with the DREAM Department of Palermo, for the drafting of the Regional Energy Plan; this has been the occasion for collaboration with researchers at the Faculty of Engineering. In particular, in the publication no. 1) "M. Beccali, M. Cellura, P. Columba, V. D'Alberti (2005), Assessment of technical and economical potential of biomass exploitation in Sicily - A GIS based methodology. Proceedings of International Conference EUROSUN ISES 2004 - Freiburg, pp. vol.3. 422-430 (ISBN 3-9809656-0-0) ", the undersigned has handled the economic evaluations, and in particular those concerning the potential supply of biomass for energy.

Within the counseling relationship with CORERAS, the undersigned has done consulting for the design and conduction of researches, and the final review of the reports, has also directly supervised the preparation of some specific parts as indicated in the publications.

## Other activities

Over the years he has served on numerous committees of the Faculty (for education, school trips, curricula, projects ERASMUS):

- From the period 2001 to date has been a member of the faculty committees charged with developing and examine proposals for the establishment of degree programs (Level I and II) conform to the new discipline of teaching.
- In 2002, he participated in the commission for drafting the new regulation dealing specifically with the Faculty of regulation of the teaching.
- He was appointed secretary for 2004 Class Council Environment and Territory Agro-Forestry (ATAF) including degree programs in "Environmental Science and Forestry" and "Agro-engineering" of the Faculty of Agriculture of Palermo.
- From April 2002, is the coordinator of two projects SOCRATES-ERASMUS (Valencia and Elche).
- From 1995 to 2010 he was a Faculty Member of the Technical Group for the conduction of the farm Pietranera, collaborating in the drafting of an annual crop plan and working out the specific economic evaluations.
- From 2003 to 2007 he held an annual charge of "expert advice in the activity of the Observatory of Sicily Food Economy", operating within the Regional Consortium for Applied Research and Experimentation (CO.RE.RAS ).
- From 2003 to 2006 he served as Deputy Director of the Department of Economics of Agroforestry Systems (ESAF), with whom he served.
- From 2004 to 2007 he collaborated with the Department of Energy and Environmental Research (DREAM), Faculty of Engineering of Palermo for the preparation of the Regional Energy Plan with particular reference to energy consumption in agriculture and agro-energy from forest biomass.
- He was a member of the group of evaluators for the Emilia Romagna in the research project "Development of innovative methods of management of the fruits in post-harvest: the definition of indexes collection according to the quality of consumption and methods of conservation and marketing ", for admission to the financing terms of the PS , 2005.
- From 2006 to 2008 he was a member of the Organizing Committee of the Master SIBS (Accommodation and protection of mountain basins of the Soil).
- In 2007 he was a member of the Organizing Committee and Deputy Director of the Master "Management of quality and safety in the food chain".

- from 2008 to 2011 has been the coordinator of the PhD in Agricultural Economics and Policy, University of Palermo.
- In 2016 he is a member of the Organizing Committee and Deputy Director of the Master "Hospitality management Food & Beverage".

## Selected publications

- 1) MARCO BECCALI, COLUMBA P., VINCENZO DALBERTI, VINCENZO FRANZITTA (2008). **Assessment of bioenergy potential in Sicily: A GIS-based support methodology.** BIOMASS & BIOENERGY; p. 79-87, ISSN: 09619534. ELSEVIER, ISI Impact Factor: 2.540; 5-Year Impact Factor: 3.588.
- 2) Pietro Columba, Fabio Cardona, Vincenzo D'Alberti, Vincenzo Franzitta, Mario Ragusa (2008), **Indagine tecnica ed economica per lo sfruttamento ai fini energetici dei tralci di potatura della vite.** 63° Congresso Nazionale ATI "Energia per lo sviluppo sostenibile", 23-26/09/2008 Palermo.
- 3) Pietro Columba (2009), **Le filiere agroalimentari in rapporto alle esigenze di sicurezza.** Atti del XLIV Convegno SIDEA – Produzioni Agroalimentari tra rintracciabilità e sicurezza: analisi economiche e politiche d'intervento. FrancoAngeli ISBN 9788856812831.
- 4) Pietro Columba (2009), Coordinamento tecnico, Introduzione e Conclusioni in: Lorella Di Giovanni (a cura di) **La filiera della carne bovina in Sicilia, con riferimento alla banca dati dell'anagrafe bovina.** CORERAS, Palermo.
- 5) Fardella G.G., Columba P., Altamore L., Sgroi F., Corona G. (2010), **Aspetti economici ed organizzativi delle imprese olivicole ed olearie in Sicilia.** Relazioni conclusive sulle attività svolte nell'ambito del progetto RIOM presentate nel corso del Convegno internazionale e finale del progetto "Ricerca ed Innovazione per l'Olivicoltura Meridionale", Rende (CS) 9-12 Giugno 2009; (paragrafo 2, "Materiali e metodi" pp. 319-320). Ministero delle Politiche Agricole e Forestali, Consiglio per la Ricerca e la sperimentazione in Agricoltura (CRA), ottobre 2010, ISBN: 978-88-902732-4-7.
- 6) Postfazione: ci fu festa una notte nel bosco (<http://hdl.handle.net/10447/58720>), in Hoffmann A. (2010), **Il bosco racconta: Linee di politica delle risorse forestali.** Qanat edizioni, Palermo. <http://hdl.handle.net/10447/58717>.
- 7) Columba P., Oliveri Y., Siggia D., Tumminello G.P. (2010), **Brands of Protection of Olive Oil in Sicily: Economic Reflections and Marketing.** ENOMETRICS XVIII, Convegno internazionale della Vineyard data Quantification Society, European Association of Wine Economists, Palermo, 9-12 giugno 2010. <http://www.vdqs.net/>
- 8) Stefania Chironi, Marzia Ingrassia, Pietro Columba, Gian Gaspare Fardella (2012), **Marsala and Port: a comparison between two great wines.** Enometrics XIX 2012. Convegno internazionale della Vineyard data Quantification Society, European Association of Wine Economists, Viseu (Portugal), 30 maggio - 2 giugno. <http://www.vdqs.net/>.
- 9) P. Columba, Y. Oliveri, F. Pensavecchio (2012), **L'agricoltura biologica e lo sviluppo del territorio di qualità: un caso studio siciliano.** Atti del V Workshop GRAB-IT, "Agricoltura biologica: modello sostenibile per un Mediterraneo in transizione", Ancona, 10-11 maggio 2012. ISBN 978-88-9077-400-3. <http://hdl.handle.net/10447/73530>.
- 10) Columba, P.; Oliveri, Y.; Di Giovanni, L. (2012). **La valorizzazione dell'agroalimentare di qualità e lo sviluppo del territorio.** In Atti del X Convegno AISSA (pp. 54-57). Società di Ortoflorofrutticoltura Italiana (SOI), Firenze.

- 11) Columba P., Piva G., Farina V., Barone F. (2012). **Stato attuale e potenzialità di mercato del Mango (*Mangifera Indica L.*) coltivato in Sicilia**. In Book of abstract del X Convegno AISSA (pp.58-61). Società di Ortoflorofrutticoltura Italiana (SOI), Firenze.
- 12) Pietro Columba, Lorella Di Giovanni, Ylenia Oliveri (2013). **Lo sviluppo rurale tra qualità agroalimentare e ambiente**. Atti del XLIX Convegno SIDEA, Sistemi Agroalimentari ed Economie nel Bacino del Mediterraneo: Istituzioni e Politiche. Reggio Calabria 27-29 settembre 2012. Pagine 66-72. ISBN 978-88-89367-86-5.
- 13) Pietro Columba, Ylenia Oliveri (2013). **Il GIS come strumento di stima delle aree suscettibili alla coltura di *Hedysarum coronarium*, per la produzione di biodiesel in Sicilia**. Poster al L Convegno SIDEA, Sostenibilità del Sistema Agroalimentare: strategie e performance. Lecce 26-28 settembre 2013.
- 14) Pietro Columba (a cura di) (2014). **Il grano duro e la filiera siciliana della pasta**. Ed. Qanat, Palermo. ISBN 978-88-98245-56-7. <http://hdl.handle.net/10447/103927>.
- 15) Buttaci, P., Columba, P. (2014). **L'agroalimentare tra Globale e Locale: dall'Italian sounding ai mercati storici di Palermo**. Ed. Dipartimento Scienze Agrarie e Forestali - Università di Palermo. ISBN 978-88-6213-017-2. <http://hdl.handle.net/10447/103947>.
- 16) Pietro Columba, Fabio Naselli, Ferdinando Trapani (2015). **Un approccio mediterraneo: il "ritorno alla campagna" e il ruolo del turismo per le aree interne**. XVIII Conferenza Nazionale Società Italiana degli Urbanisti Venezia, 11-12 giugno 2015. Italia '45-'45. Radici, condizioni, prospettive.
- 17) Pietro Columba, Fabio Naselli, Ferdinando Trapani (2015). **Agricoltura, alimentazione e paesaggio nei territori produttivi. Intrecci disciplinari tra piano e programmi di sviluppo nei casi della Sicilia centrale**. In Francesco Domenico Moccia, Marichele Sepe (a cura di) IX Giornata Studio INU, Infrastrutture blu e verdi, reti virtuali, culturali e sociali. Urbanistica Informazioni, special issue, 263 s.i., settembre-ottobre. INU edizioni, ISSN n. 0392-5005. <http://www.urbanisticainformazioni.it/-263-special-issue-.html>

Palermo, 10/02/2016

Prof. Pietro Columba  
