



## Giovanni Pecchioni

Date of birth: [REDACTED] | Nationality: Italian | Gender: [REDACTED] | [REDACTED] |

[REDACTED] | Skype: giovanni.pecchioni |

[REDACTED]

### ● WORK EXPERIENCE

01/03/2021 – CURRENT – Pisa, Italy

**POST-GRADUATE RESEARCH GRANT** – INSTITUTE OF LIFE SCIENCES, SCUOLA SUPERIORE SANT'ANNA

Twelve-months research grant under the supervision of Professor Paolo Barberi

Research grant title: Analisi della sostenibilità di pratiche agronomiche innovative per la gestione di sistemi colturali misti ed agroselviculturali della Regione Toscana

Working on projects about mixed farming systems and agroforestry, about farming system for sustainable biogas production, about non-food innovative crops and about innovations in organic cereals production and horticulture in Tuscany.

- Gruppo Operativo, Misura 16.2 PSR 2014-2020 della Regione Toscana:

NEWTON - NETWork per l'agroselvicultura in ToscaNa

(as part of the research group);

- Gruppo Operativo, Misura 16.2 PSR 2014-2020 della Regione Toscana:

SmartGas - Biogas intelligente: coltivare con il biogas per ridurre l'impronta di carbonio ed aumentare sostenibilità e resilienza ai cambiamenti climatici di sistemi colturali per le produzioni toscane di qualità

(as part of the research group)

- Gruppo Operativo, Misura 16.2 PSR 2014-2020 della Regione Toscana:

GO-CARD - Cardo: una coltura a basso impatto ambientale per la riqualificazione delle aree marginali

(as collaborator)

- Progetto Integrato di Filiera, Misura 16.2 PSR 2014-2020 della Regione Toscana:

MITICO - Mitigazione e adattamenti ai cambiamenti climatici nei sistemi Cerealicoli e Orticoli biologici

(as collaborator)

01/10/2017 – CURRENT – Pisa, Italy

**PHD STUDENT** – INSTITUTE OF LIFE SCIENCES, SCUOLA SUPERIORE SANT'ANNA

Three-years PhD student grant under the supervision of Doctor Giorgio Ragolini

PhD project title: Productivity and carbon storage of agroforestry systems for feed and fuel

Working on the project AGROFORCES (AGROFORestry for Carbon sequestration and Ecosystem Services)

01/07/2017 – 30/09/2017 – Pisa, Italy

**POST-GRADUATE RESEARCH GRANT** – INSTITUTE OF LIFE SCIENCES, SCUOLA SUPERIORE SANT'ANNA

Three-months research grant under the supervision of Doctor Giorgio Ragolini

Research grant title: Valutazione della sostenibilità delle produzioni foraggere in ambiente mediterraneo

Working on projects about forage systems sustainability in Tuscany

- Progetto integrato di filiera, Misura 16.2 PSR 2014-2020 della Regione Toscana:

STILNOVO - sostenibilità e tecnologie innovative per il latte ovino

(as part of the research group);

- Progetto integrato di filiera, Misura 16.2 PSR 2014-2020 della Regione Toscana:

PRO-SMARTbeef - PROduzione Sostenibile nella MAREmma Toscana di carne bovina

(as collaborator)

- Progetto integrato di filiera, Misura 16.2 PSR 2014-2020 della Regione Toscana:

INNOVA SOIA - Sistemi INNOVATIVi per la coltivazione e la trasformazione della SOIA OGM-free toscana

(as collaborator)

12/09/2016 – 21/10/2016 – Albenga, SV, Italy  
**INTERNSHIP – CERSAA (CENTRO DI SPERIMENTAZIONE E ASSISTENZA AGRICOLA)**

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Internship under the supervision of Doctor Andrea Minuto  
Testing solutions for plant diseases management in horticulture and floriculture.  
I worked in the plant and pests diagnosis laboratory and I took part in field trials.

01/04/2016 – 12/12/2016 – Pisa, Italy  
**MASTER THESIS WORK – INSTITUTE OF LIFE SCIENCES, SCUOLA SUPERIORE SANT'ANNA**

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Master thesis work under the supervision of Doctor Giorgio Ragolini  
I took part in a field trial (2016) started in 2015 performed to investigate differences in yield between a single harvest and a double harvest for giant reed (*Arundo donax* L.) as a biogas crop.

01/06/2013 – 26/01/2015 – Pisa, Italy  
**INTERNSHIP - BACHELOR THESIS WORK – DEPARTMENT OF AGRICULTURE, FOOD AND ENVIRONMENT, UNIVERSITY OF PISA**

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Internship – Bachelor thesis work under the supervision of Doctor Iduna Arduini  
I took part in two field trials (2012-2014) performed to make a comparison between Ethiopian landraces and modern Italian varieties of durum wheat.

## ● **EDUCATION AND TRAINING**

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17/12/2015 – 14/12/2017 – Pisa, Italy  
**SECOND LEVEL DIPLOMA - AGRICULTURE AND PLANT BIOTECHNOLOGY – Scuola Superiore Sant'Anna**

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Final dissertation under the supervision of Doctor Giorgio Ragolini  
Nitrogen fertilization efficiency in *Arundo donax* L. in function of nitrogen type and rate

27/01/2015 – 12/12/2016  
**MSC – PLANT PRODUCTIONS AND AGRO-ECOSYSTEMS MANAGEMENT – Department of Agriculture, Food and Environment, University of Pisa**

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Final dissertation under the supervision of Doctor Giorgio Ragolini  
“Effect of nitrogen fertilization on *Arundo donax* L. managed with single and double harvest”

05/09/2016 – 09/09/2016 – Berlin, Germany  
**SUMMER SCHOOL - INTRODUCTION TO BIOENERGY – RENAC (Renewables Academy)**

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One-week Summer School

02/02/2015 – 30/06/2015 – Praha, Czechia  
**ERASMUS+ STUDIUM – Czech University of Life Sciences**

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01/10/2011 – 16/12/2015 – Pisa, Italy  
**FIRST LEVEL DIPLOMA - AGRICULTURE AND PLANT BIOTECHNOLOGY – Scuola Superiore Sant'Anna**

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27/09/2011 – 26/01/2015 – Pisa, Italy

**BSC – AGRICULTURE** – Department of Agriculture, Food and Environment, University of Pisa

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Final dissertation under the supervision of Doctor Iduna Arduini

“Response to sowing time and nitrogen fertilization of Italian and Ethiopian durum wheat varieties”

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14/11/2013 – 30/11/2013 – French West Indies, France

**VISITING STUDENT FOR TWO WEEKS IN MARTINIQUE AND GUADELOUPE** – INRA and CIRAD - Scuola Superiore Sant'Anna

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01/09/2006 – 30/06/2011 – Albenga, SV, Italy

**HUMANITIES HIGH SCHOOL DIPLOMA** – Liceo Giordano Bruno

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## ● **LANGUAGE SKILLS**

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**Mother tongue(s):** ITALIAN

**Other language(s):**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	B2	B2	B2	B2
<b>SPANISH</b>	A2	A2	A2	A2	A2
<b>FRENCH</b>	A1	A1	A1	A1	A1
<b>CZECH</b>	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● **DIGITAL SKILLS**

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Microsoft Office | Geographic information system (QGIS) | R CRAN | Basic AutoCad

## ● **PUBLICATIONS**

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**Carbon Budget of an Agroforestry System after Being Converted from a Poplar Short Rotation Coppice**

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<http://dx.doi.org/10.3390/agronomy10091251> – 2020

Pecchioni, G; Bosco, S; Volpi, I; Mantino, A; Dragoni, F; Giannini, V; Tozzini, C; Mele, M; Ragaglini, G  
Agronomy, 10, 9, 1251-1273

**Effect of Tree Presence and Soil Characteristics on Soybean Yield and Quality in an Innovative Alley-Cropping System**

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<http://dx.doi.org/10.3390/agronomy10010052> – 2019

Mantino, A; Volpi, I; Micci, M; Pecchioni, G; Bosco, S; Dragoni, F; Mele, M; Ragaglini, G  
Agronomy, 10, 1, 52-66

## **Cardoon as a biorefinery crop for marginal areas in Tuscany: the EIP-AGRI Operational Group GO-CARD**

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2021

Anneccchini, F; Pecchioni, G; Ragaglini, G; Fedi, C; Mantino, A Proceedings of the L Conference of the Italian Society for Agronomy (accepted for publication)

## **Soybean-Poplar Intercropping In An Innovative Agroforestry System: A Field Trial In Tuscany**

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2019

Mantino, A; Volpi, I; Bosco, S; Dragoni, F; Giannini, V; Pecchioni, G; Micci, M; Tei, F; Mele, M; Ragaglini, G Proceedings of the XLVIII Conference of the Italian Society for Agronomy, 74-75

## **Experiencing the transition towards agroforestry in the Mediterranean: a new Long Term Experiment in Central Italy**

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2019

Mantino, A; Antichi, D; Coli, A; Sbrana, M; Pecchioni, G; Bosco, S; Cappucci, A; Mezzalira, G; Pelleri, F; Chiarabaglio, P; Carlesi, S; Moonen, C; Barberi, P; Mazzoncini, M; Ragaglini, G; Mele, M Book of Abstracts, 4th World Congress on Agroforestry. Agroforestry: strengthening links between science, society and policy, 373

## **Soybean yield and feed value in a SRC poplar alley-cropping system: preliminary results from a field trial in Italy**

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2019

Mantino, A; Pecchioni, G; Volpi, I; Bosco, S; Dragoni, F; Giannini, V; Micci, M; Cappucci, A; Mele, M; Ragaglini, G Book of Abstracts, 4th World Congress on Agroforestry. Agroforestry: strengthening links between science, society and policy, 670

## **The net biome production of an alley-cropping system of sorghum and poplar SRC compared to an open field cultivation**

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2019

Pecchioni, G; Bosco, S; Volpi, I; Mantino, A; Dragoni, F; Giannini, V; Micci, M; Tozzini, C; Mele, M; Ragaglini, G Book of Abstracts, 4th World Congress on Agroforestry. Agroforestry: strengthening links between science, society and policy, 19

## **Mediterranean silvoarable systems for feed and fuel: the AGROFORCES project (AGROFORestry for Carbon sequestration and Ecosystem Services)**

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2018

Pecchioni, G; Mantino, A; Bosco, S; Volpi, I; Giannini, V; Dragoni, F; Tozzini, C; Coli, A; Mele, M; Ragaglini, G Proceedings of the 4th European Agroforestry Conference: Agroforestry as Sustainable Land Use, 476-478

## **Soil erosion risk and agroforestry implementation in Tuscany: locating best practices for vulnerability management with a GIS-based scenario approach**

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2018

Mantino, A; Volpi, I; Dragoni, F; Cappucci, A; Mele, M; Bonari, E; Pecchioni, G; Anneccchini, F; Ragaglini, G Proceedings of the 4th European Agroforestry Conference: Agroforestry as Sustainable Land Use, 173-177

## **An agrosilvopastoral experience in Tuscany**

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2018

Chiarabaglio, P M; Giorcelli, A; Pelleri, F; Mantino, A; Pecchioni, G; Ragaglini, G; Mazzoncini, M; Coli, A; Mele, M IV National Congress of Silviculture - Abstract book, 439-441

## Digestate fertilization to giant reed (*Arundo donax* L.): preliminary results

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2016

Dragoni, F; Savasta, F; Nasso, N; Pecchioni, G; Tozzini, C; Bonari, E; Ragolini, G  
Proceedings of the XLV Conference of the Italian Society for Agronomy - The agronomy research towards 2030: the Sustainable Development Goals, 203-204

## ● NETWORKS AND MEMBERSHIPS

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27/07/2017 – CURRENT

**Ordine regionale dei Dottori Agronomi e Dottori Forestali della Liguria**

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Genova  
n. 203

30/05/2018 – CURRENT

**EURAF - European Agroforestry Federation**

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30/05/2018 – CURRENT

**AIAF - Associazione Italiana AgroForestazione**

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## ● DRIVING LICENCE

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Driving Licence: ■

Driving Licence: ■

## ● HONOURS AND AWARDS

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27/07/2017

**Admitted to practice as an Agronomist with licence number 203 – Ordine dei Dottori Agronomi e Dottori Forestali della Liguria**

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29/06/2017

**Qualified as a Professional Agronomist – Department of Agriculture, Food and Environment, University of Pisa**

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29/03/2017

**Pest Control Consultant Licence – Settore Fitosanitario Regionale – Regione Liguria**

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2010

**First Certificate of English (FCE) B2 – Cambridge University**

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2009

**Preliminary English Test (PET) B1 – Cambridge University**

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## ● VOLUNTEERING

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01/04/2014 – CURRENT

**FAI (Italian National Trust), organizing cultural events and guided tours**

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Pisa

Loano, SV