

EUROPEAN CURRICULUM VITAE FORMAT



PERSONAL INFORMATION

Tommaso Chiti



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Sex Male | Date of birth 24/02/1975 | Nationality Italian

WORK EXPERIENCE

2021 Nov - Ongoing

Associated Professor

University of Tuscia, Dept. for Innovation in Biological, Agro-food and Forest system (DIBAF)
Business or sector Research/Public institution

2013 Jan- 2021 Nov

Researcher

University of Tuscia, Dept. for Innovation in Biological, Agro-food and Forest system (DIBAF)
Business or sector Research/Public institution

2016 Sept- 2017 Aug

Researcher

Far Eastern Federal University (FEFU) of Vladivostock (Russia).
Business or sector Research/Public institution

2008 -2015

Soil sampling responsible within the ERC (Africa-GHG) projects

Sites located in Ghana, Cameroun, Congo, Gabon, Sierra Leone and Kenya
Business or sector Research/Public institution

2011 - 2014

Consultant

TÜV-SUD company, Germany
Activity: Assessment of soil carbon methodologies within the framework of the Verified Carbon Standard (VCS).
Business or sector Research/Private institution

2008-2012

Research assistant (Post-doc)

University of Tuscia, Dept. for Innovation in Biological, Agro-food and Forest system (DIBAF)
Research activities on "Analysis and modelling of C in forests and agricultural soils" and "SOC dynamics in primary forests" within the ERC project "Africa-GHG".
Business or sector Research/Public institution

2006-2010

Soil expert within the framework of the COST action 639

Greenhouse gas budget of soils under changing climate and land use; working group 3: monitoring, statistics and simulation models.

2007 Feb-Dec

Research Grant

University of Florence Dept. for Soil Science and Plant Nutrition (DSSNP)
Research activities on "Isotopic analysis and soil organic carbon fractionation in pools at different stability."
Business or sector Research/Public institution

EDUCATION AND TRAINING

2004 - 2007

PhD course on "Soil Science and Climatology"

University of Florence (Italy), Faculty of Forestry and Environmental Science.

Supervisors: Prof Ugolini FC and Dr. PhD Certini G.

Thesis: "Soil organic matter characterization in Alpine forests, grasslands and Mediterranean forests of Italy by the use of ¹³C NMR and isotopes analysis".

- 2007 March **Grant from the European Science Foundation (ESF)**
 Centrum voor IsotopenOnderzoek (CIO), University of Groningen The Netherlands. Topic "Contribution of the most recalcitrant part of the soil organic matter to total soil respiration". Supervisor: Neubert R.E.M.
- 2006 Sept **Summer-school on "Experimental assessment of changes in soil organic matter pools in mountain forests"**
 Obergurgl, Austria. Organized by the Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW), Wien.
- 2006 March **Grant from the European Science Foundation (ESF)**
 Centrum voor IsotopenOnderzoek (CIO), University of Groningen. The Netherlands. Topic "Isotopic characterization and soil flux partition in different soils under the footprint of a coastal CO₂-eddy-flux tower. Supervisor: Neubert R.E.M.
- 2005 Sep-Oct. **Grant from the European Science Foundation (ESF)**
 Max Planck Institute for Biogeochemistry, Jena, Germany. Topic "Carbon budget and CO₂ efflux from the soil". Supervisor: Schulze E.D
- 2005 June-July **Exchange student**
 Centrum for IsotopenOnderzoek (CIO), University of Groningen, The Netherlands
 Topic "Isotopic characterization of Dutch soils".
 Supervisor: Neubert R.E.M
- 2004 Sept **Summer-school on integrated methodology on soil carbon flux measurements**
 Trento, Italy. Organized by the European Science Foundation (ESF).
- 2004 July **Course of "Rocks macroscopic recognition"**
 Milan, Italy. Organized by the University of Bicocca, Department of Environmental Sciences and Land Resources.
- 2003 September **Master degree/laurea in Forestry and Environmental Science (5 year course), Grade 105/110**
 University of Florence (Italy), Faculty of Forestry and Environmental Science
 Supervisor: Prof. Sanesi G. Thesis: " Characterization of soil organic matter in afforestation on spoil banks".
- 2003 Jul-Aug **Apprenticeship at the "Istituto Agronomico per l'Oltremare" (IAO), on supporting activities on data entries**
 Florence, Italy.
- 2000 Jan.-June **Erasmus-Socrates program**
 Finland. University of Helsinki. Faculty of Forestry Science.

PERSONAL SKILLS AND COMPETENCES

Mother tongue
 Other languages

Italian

English

- **Research interests (5 Key words):** Carbon Farming practices; Climate change mitigation; Forest soils, Land use change, Soil organic carbon,
- Author of 38 publications on Scientific peer reviewed Journal (ISI), 3 published as book chapters and 1 Proceedings on International and National conferences.
- Organization and Communication at national and international congresses (20 communications).

-Supervisor of 7 university theses (three-year, specialist and master's); guiding teacher and 2 doctoral theses.

Lecturers of different advanced training courses (Masters of I and II level) since 2015

RELEVANT ROLES AND COMPETENCES

1. [LIFE C-Farm's](#): "Carbon farming certification system". LIFE20 PRE/IT/017, financed by the European Commission, DG Clima. Scientific Responsible for the Dept. for Innovation in Biological, Agro-food and Forest systems (DIBAF) of the University of Tuscia. Duration: october 2021 - march 2023.
2. [CO₂ STORED in FOREST MANAGEMENT MARCHE](#), "Calculation and certification of carbon sequestration in managed forests". Cofinanced by 2014-2020 RDP of the Marche Region. Scientific Responsible for the CURSA. Duration march 2019 – march 2022.
3. [LIFE MediNet](#): Mediterranean Network for Reporting Emissions and Removals in Cropland and Grassland. LIFE15PRE IT/732295-MEDINET, financed by the European Commission, DG Clima. Duration: September 2016 - December 2018. Project Coordinator.
4. [Carbon and water fluxes in mountain forest and grassland ecosystems from leaf to ecosystem level: effects of climate variability and management](#) within the framework of the Next-Data project, approved by the CIPE (on 23 March 2011) as part of the 2011-2013 National Research Plan. Scientific Responsible for the Dept. for Innovation in Biological, Agro-food and Forest systems (DIBAF) of the University of Tuscia. Duration: january 2014-september 2015
5. [Globallometree](http://www.globallometree.org) (<http://www.globallometree.org>): Scientific Responsible for the Dept. for Innovation in Biological, Agro-food and Forest systems (DIBAF) of the University of Tuscia for the agreement between the Food and Agriculture Organization of the United Nations (FAO) and the Centre de Cooperation Internationale en Recherche agronomique pour le developpement (CIRAD), as a part of the "Globallometree" project for the development of a WEB platform for the collection of allometric equations at global level. Duration 2013-2017
6. [Secretary of the Italian Society of Soil Science – 2021/2022](#)
7. [Member of the Council of the Italian Society of Pedology – 2022-2023](#)
8. [Member of the Working Group of Urban Forestry of the Italian Society of Silviculture and Forest Ecology](#)

PUBLICATION INDEXES (SCOPUS)

NUMBER OF PUBLICATIONS: 38

TOTAL NUMBER OF CITATIONS: 651

H-INDEX: 17

10 MOST RELEVANT PUBLICATIONS

In the last 10 years

1. Kahn MD Z, **Chiti T** (2022). Soil carbon stocks and dynamics of different land uses in Italy using the LUCAS soil database. *Journal of Environmental Management* 306: 114452
2. Fino E, Blasi E, Perugini L, Pellis G, Valentini R, **Chiti T** (2020). Is Soil Contributing to Climate Change Mitigation during Woody Encroachment? A Case Study on the Italian Alps. *Forests*, 11, 887; doi:10.3390/f11080887.
3. Chiriaco MV, Belli C, **Chiti T**, Trotta C, Sabbatini S (2019a) The potential carbon neutrality of sustainable viticulture showed through a comprehensive assessment of the greenhouse gas (GHG) budget of wine production. *Journal of Cleaner Production*, 225:435-450.
4. **Chiti T**, Certini G, Marzaioli F, D'Acqui LP, Forte C, Castaldi S, Valentini R (2019b) Composition and turnover time of organic matter in soil fractions with different magnetic susceptibility. *Geoderma*, 349: 88-96.
5. Pellis G, **Chiti T**, Rey, A., Curiel Yuste Y, Trotta C., Papale, D (2019c) The ecosystem carbon sink implications of mountain forest expansion into abandoned grazing land: The role of subsoil and climatic factors. *Science of the total environment*, 672:106-120.
6. **Chiti T**, Blasi E, Pellis G, Perugini L, Chiriaco MV, Valentini R (2018a) Soil organic carbon pool's contribution to climate change mitigation on marginal land of a Mediterranean montane area in Italy. *Journal of Environmental Management* 218: 593-601.

7. **Chiti T**, Díaz-Pinés E, Butterbach-Bahl K, Marzaioli F, Valentini R (2018b) Soil organic carbon changes following degradation and conversion to cypress and tea plantations in a tropical mountain forest of Kenya. *Plant and Soil* 422:527–539
8. **Chiti T**, Rey A, Jeffery K, Lauteri M, Mihindou V, Malhi Y, Marzaioli F, White LJT, Valentini R (2018c) Contribution and stability of forest-derived soil organic carbon during woody encroachment in a tropical savanna. A case study in Gabon. *Biology and Fertility of Soils* 54:897–907.
9. **Chiti T**, Perugini L, Vespertino D, Valentini R (2016) Effect of selective logging on soil organic carbon dynamics in tropical forests in central and western Africa. *Plant and Soil*, 399:283-294.
10. **Chiti T**, Grieco E, Perugini L, Rey A, Valentini R (2013) Effect of the replacement of tropical forests with tree plantations on soil organic carbon levels in the Jomoro district, Ghana. *Plant and Soil*, 375:47-59

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Viterbo, 30.01.2022

Signature

