

CURRICULUM VITAE

EUROPEAN FORMAT

PERSONAL INFORMATION

Name, Surname	Marco, Togni
Address	Italy
House number, street name, postcode, city, country	Office in Via S. Bonaventura 13 – 50145 Florence - Italy
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Nationality	Italian
Place and Date of birth	

WORK EXPERIENCE

Dates (from – to)	From 2001 to present Associated Professor Wood Technology (AGR06), affiliated to the Department of Agriculture, Food, Environment and Forestry (DAGRI) - University of Florence. 1991-2001 Wood technologist - Freelance
Name and address of employer	University of Florence – Piazza San Marco 4 Firenze, Italy
Type of business or sector	Research and Teaching
Occupation or position held	Associate professor
Main activities and responsibilities	Research and didactics

EDUCATION AND TRAINING

Dates (from – to)	1995 Ph.D. in Wood Science at Florence University.
Name and type of organisation providing education and training	University of Florence
Principal subjects occupational skills covered	Wood Technology – Structural timber – Mechanical properties of wood
Title of qualification awarded	Ph.D. in Wood Science
Level in National classification	Level 8
Dates (from – to)	1991 Forest Science Degree at University of Florence.
Name and type of organisation providing education and training	University of Florence
Principal subjects occupational skills covered	Forestry - Wood Technology – Structural timber
Title of qualification awarded	Degree in Forest Science
Level in National classification	Level 7

RESEARCH ACTIVITIES

Research sectors	Research activities (and teaching) were centered in the fields of wood and wood products (properties, processing, use, classification, structural uses, etc.). The main ongoing researches are focused on the characterisation of timber for structural use, inspection and diagnosis of wooden structures in situ, the characterisation of wood for non-structural use, the assessment of the mechanical properties of ancient wooden structural elements and of structural systems.
Recent Scientific Activities.	Research on wood treatment, ancient timber structural for assessment and conservation, wood and timber quality, timber appearance grading.
Indexed Articles (last 5 years)	<p>R. Curti, B. Marcon, L. Denaud, M. Togni, R. Furferi, G. Goli (2021). Generalized cutting force model for peripheral milling of wood, based on the effect of density, uncut chip cross section, grain orientation and tool helix angle. <i>HOLZ ALS ROH- UND WERKSTOFF</i>, vol. 79, pp. 667-678, ISSN:1436-736X</p> <p>Conti, Leonardo; Rotini, Federico; Barbari, Matteo; Togni, Marco; Rossi, Giuseppe (2021). NeoPalea: Compostable Composite Material for Packaging Applications. In: Steffen G. Scholz, Robert J. Howlett, Rossi Setchi. <i>Sustainable Design and Manufacturing 2020 - Proceedings of the 7th International Conference on Sustainable Design and Manufacturing (KES-SDM 2020)</i>, pp. 357-367, Springer Nature Singapore Pte Ltd: Steffen G. Scholz, Robert J. Howlett, Rossi Setchi, ISBN:978-981-15-8130-4.</p> <p>Pelliccia, Giulia; Baldinelli, Giorgio; Bianconi, Fabio; Filippucci, Marco; Fioravanti, Marco; Goli, Giacomo; Rotili, Antonella; Togni, Marco (2020). Characterisation of wood hygromorphic panels for relative humidity passive control. <i>JOURNAL OF BUILDING ENGINEERING</i>, vol. 32, pp. 1-13, ISSN:2352-7102</p> <p>Rossi, Giuseppe; Conti, Leonardo; Fiorineschi, Lorenzo; Marvasi, Massimiliano; Monti, Massimo; Rotini, Federico; Togni, Marco; Barbari, Matteo (2020). A new eco-friendly packaging material made of straw and bioplastic. <i>JOURNAL OF AGRICULTURAL ENGINEERING</i>, pp. 0-0, ISSN:2239-6268</p> <p>Giulia Fabiani, Mariaelena Fedi, Maria Rita Giuliani, Giuseppina Di Giulio, Giulia Galotta, Giacomo Goli, Lucia Liccioli, Paola Mazzanti, Giovanni Signorini, Marco Togni (2019) <i>The discovery of "marouflage" on decorated structural timber in a villa of the XV century</i>. <i>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</i> 10(1), pp. 59-68</p> <p>Goli Giacomo; Marcon Bertrand; Busoni Lorenzo; Carlson Bruce; Cavalli Alberto; Giordano Alberto; Mazzanti Paola; Montanari Pio; Togni Marco; Fioravanti Marco, (2017) <i>Antique violins: Effect of the player on the moisture content</i>. <i>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</i> 8(2), pp. 177-186.</p> <p>Goli, Giacomo; Cocchi, Linda; Togni, Marco; Fioravanti, Marco (2017). <i>Test of a device for the active control of environmental humidity in museum display cases</i>. <i>INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE</i>, vol. 8, pp. 43-50, ISSN:2067-533X</p> <p>Cavalli, Alberto; Marcon, Bertrand; Cibecchini, Daniele; Mazzanti, Paola; Fioravanti, Marco; Procino, Lorenzo; Togni, Marco (2017). <i>Dynamic excitation and FE analysis to assess the shear modulus of structural timber</i>. <i>MATERIALS AND STRUCTURES</i>, vol. 50, pp. 1-8, ISSN:1359-5997</p> <p>Cavalli, A; Cibecchini, D; Goli, G; Togni, M (2017). <i>Shear modulus of old timber</i>. <i>IFOREST</i>, vol. 10, pp. 446-450, ISSN:1971-7458</p> <p>Cavalli, Alberto; Cibecchini, Daniele; Togni, Marco; Sousa, Hélder S. (2016). <i>A review on the mechanical properties of aged wood and salvaged timber</i>. <i>CONSTRUCTION AND BUILDING MATERIALS</i>, vol. 114, pp. 681-687, ISSN:0950-0618</p> <p>Togni, Marco; Cavalli, Alberto; Cibecchini, Daniele; Goli, Giacomo (2016). <i>First strength grading, physical and mechanical tests on Turkey oak beams for structural use</i>. In: <i>World Conference on Timber Engineering (WCTE 2016)</i>. August 22-25 2016. Vienna, Austria, Vienna, Austria, August 22-25, 2016, TU-MV Media Verlag GmbH, pp. 661-668, ISBN:978-3-903024-35-9</p> <p>Cibecchini, D.; Cavalli, A.; Goli, G.; Togni, M. (2016). <i>Beech sawn timber for structural use: A case study for mechanical characterization and optimization of the Italian visual strength grading rule</i>. <i>JOURNAL OF FOREST SCIENCE</i>, vol. 62, pp. 521-528, ISSN:1212-4834</p> <p>Cavalli, Alberto; Bevilacqua, Lorella; Capecchi, Gianluca; Cibecchini, Daniele; Fioravanti, Marco; Goli, Giacomo; Togni, Marco; Uzielli, Luca (2016). <i>MOE and MOR assessment of in service and dismantled old structural timber</i>. <i>ENGINEERING STRUCTURES</i>, vol. 125, pp. 294-299, ISSN:0141-0296</p>

ADDITIONAL INFORMATION

Scientific Associations:

Since 2020 – Ordinary member of the Italian Academy of Forestry Sciences

Since 2014 – member of the Scientific Society SISEF – Italian Society for Forestry Silviculture and Ecology

Participation to Scientific Councils:

Since 2010 member of the Scientific Council of the Ph.D. degree in Sustainable Management of Agriculture, Food and Forestry Resources, at Florence University

Since 2003 member of the Scientific Council of the Ph.D. degree in Economy, Forest Planning and Wood Sciences, at Florence University.

National and International appointments:

2012 – 2015 National Convenor of working groups n.1 Structural timber (WG1) and n.8 Funerary coffins (WG8) in the Wood Commission of UNI (Ente Italiano di Unificazione)

2011 – 2013 National delegate of the WG3 in COST Action FP1101 Assessment, Reinforcement and Monitoring of Timber Structures.

From 2010 Member working groups n.1 Structural timber (WG1) in the Wood Commission of UNI (Ente Italiano di Unificazione)

1995 – 1997 National delegate in the Management Committee of the COST Action E5 - Timber Frame Building Systems.

1993 – 1995 National delegate in the Management Committee of the COST Action 508 - Wood mechanics.

Reviewer of Scientific Journals:

Advanced Materials Research, Hydrology and Earth System Sciences Discussions, Journal of Soil and Water Conservation, Journal of Materials in Civil Engineering, Wood Science and Technology, Sherwood – Foreste ed Alberi Oggi, Ecological Engineering, European Journal of Wood and Wood Products, WEAR

Recent Main National Research Projects:

2020 – Regional project – REVIVAL - Il vino nel legno: la Realizzazione dei Vasi Vinari con Legno locale

2020 – Regional project – I-FEEL-WOOD - Innovazioni in ForEStA E nel Legno per la sostenibilità ambientale. Gestione forestale, nuovi prodotti e processi per l'incremento dei depositi di carbonio (WOOD carbon storage)

2015 – Regional project - Visual and machine strength grading, determination of mechanical properties and derivation of characteristic values of beams of fir (*Abies alba*) from the south of Italy (VV)

2007-2011 Regional project - Evaluation of the quality of timber achievable from selected forests in the Liguria region

PRIVACY AND PERSONAL DATA

The Undersigned hereby authorises to utilize and store the personal sensitive data contained in this Curriculum Vitae for the purposes of the research projects and within the framework of the Data protection Act No. 196, dated 30 June 2003 as promulgated by the Italian Government.

I AGREE

August 18th, 2021