

Name

BENEDETTA NUCCI

Date and place of birth

27/12/1987, Volterra (PI)

Contact details

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PROFESSIONAL EXPERIENCE

October 2013 -	<p>Ergo s.r.l.</p> <p>Collaboration as LCA analyst.</p> <p><u>Manifattura Maiano S.p.A.:</u> Calculation of the Carbon Footprint of four different types of insulation panels for buildings and support during certification process</p> <p><u>Tecnasfalti s.r.l.:</u> Calculation of the Carbon Footprint of an insulation panel for buildings and support during certification process</p> <p><u>Chamber of Commerce of Prato:</u> CARDATO RECYCLED Project Definition of a system for the calculation of the environmental impact of mechanical wool, yarns and wovens produced inside the industrial district of Prato, Italy.</p> <ul style="list-style-type: none">- Drafting of the documentation for the evaluation of the environmental impact of the three categories of product- Drafting of the checklists for the data collection- Drafting of the formats for the final reports- Building of the model on the Simapro software- Realization of three complete LCA studies
May 2012 – September 2012	<p>University of Pisa — Department of Chemical Engineering</p> <p>Scholarship, “Simulation of transport processes in porous media”</p>
December. 2009-December 2011	<p>Salov S.p.A. Via di Montramito 1600, Massarosa (LU) - Italy</p> <ul style="list-style-type: none">• Concerning the refining process of vegetable oils as Researcher Scientist:• Experimental work in process lab• Feasibility analysis for plant’s modification• Quantification of material and energy consumption per unit of product• Life Cycle Assessment (LCA) of refined sunflower oil in PET bottles. <p>As Project Manager Assistant:</p> <ul style="list-style-type: none">• Management of the technical and financial documentation of projects funded by the Regione Toscana with PorCReo 2007-2013 (Project INNOVOIL, Project Trigen)• Organization of the project’s final conference and text’s elaboration for the website• Preparation of documentation for clients and institutions relating to the environmental impacts of the company• Tutor for undergraduates working on the optimization of the refining process

EDUCATION

<ul style="list-style-type: none"> September 2012 - 	<p>PhD candidate in “Management: innovation, sustainability and healthcare”</p> <p>Scuola Superiore Sant’Anna, Pisa (Italy)</p> <p>The expected date for the final dissertation is 7th, October 2015.</p>
<p>Additional activities carried out during the PhD</p>	<p>Life + PREFER - Research activities on Life Cycle Assessment performed during the Life PREFER project, cofinanced by the European Commission.</p> <ul style="list-style-type: none"> - Average LCA of the representative products of the fashion cluster in Tuscany region (male leather shoes, sole leather, finished leather) - Average LCA of the representative products of the paper cluster in Tuscany region (Toilet paper, Mix of other tissue products) - Development of tools to ease the adoption of LCA by SMEs in the two clusters and to facilitate the communication of the results - Training initiatives on sustainability and Life Cycle Assessment to companies in the two clusters <p>Research activities for the Italian Association of the Tanning Industry (Unione Nazionale Industria Conciaria - UNIC):</p> <ul style="list-style-type: none"> - Life Cycle Assessment of Italian finished leather - Communication of the results to the main stakeholders - Support the Italian Association in the participation at the European PEF pilot for the drafting of PEFCR for the intermediate product “Leather” <p>Research activity in the project “Service contract for the development of a life cycle cost (LCC) calculation tool” commissioned by the European Commission, DG environment</p> <ul style="list-style-type: none"> - Life Cycle Costing of some product categories commonly purchased by the public administrations
<p>22 nd June – 26th June 2015</p>	<p>PhD Course “Advanced LCA – consequential modelling, EIO LCA, iLUC, and Social LCA”</p> <p>Aalborg University, Denmark</p>
<p>25th May – 27th May 2015</p>	<p>Course for auditor/lead auditor ISO 50001/2011. 25th – 27th May 2015.</p> <p>Sogea Rina, Pisa</p>
<p>31st March – 2nd April 2014</p>	<p>Short Course: “Economic tools in LCA - life cycle costing, external costs and cost-benefit analysis”</p> <p>International Life Cycle Academy, Barcelona</p>
<p>24th June-26th June 2013</p>	<p>Short Course: “Introduction to LCA”</p> <p>Rete Italiana LCA and Politecnico di Milano</p>

8th May-10th MAY 2013	Short Course: "Indirect land use change modelling in LCA"
	International Life Cycle Academy, Barcelona
October 2009 - May 2012	Master of Science in Chemical Engineering (2 years) - 110/110
	Department of Chemical Engineering, Industrial Chemistry and Material Science. University of Pisa, Italy
	Title of the MSc thesis: "Energy and environmental analysis of the process for the production of vegetable oil"
October 2006 – October 2009	Bachelor degree in Chemical Engineering (3 years) - 110/110
	Department of Chemical Engineering, Industrial Chemistry and Material Science. University of Pisa, Italy
	Title of the BSc thesis: "Analysis of safety issues relating to the refining of vegetable oils"
2001-2006	High school diploma, 100/100
	Liceo Scientifico G. Carducci, Volterra (PI)

COMPETENCIES

Computer skills	Excellent knowledge of Office package (Word, Excel, PowerPoint, Publisher) Aspen HYSYS SimaPro 8 ABB Knowledge Manager MatLab, MathCad, AutoCad, Ansys
International standards	ISO 14040 - ISO 14044 ISO 50001
Language skills	Italian Native English C1 - Certification: Certificate in Advanced English, University of Cambridge— December 2006 German C1 - Certification: GOETHE-ZERTIFIKAT C1 – July 2012 French Beginner

Scientific Publications

“Hazard assessment of edible oil refining: formation of flammable mixtures in storage tanks”, Gabriele Landucci, Benedetta Nucci, Luigi Pelagagge, Cristiano Nico-
lella, 2011. Journal of Food Engineering, Vol. 105: 105-111.

“Hazards Assessment of Vegetable Oil Storage and Processing Plants”, Gabriele
Landucci, Benedetta Nucci, Maurizio Pierini, Gabriele Pannocchia, Luigi Pelagagge,
Cristiano Nicolella. ICheaP-10

“Engineered Electrode Microstructure for Optimization of Solid Oxide Fuel Cells”,
Antonio Bertei, Benedetta Nucci, Cristiano Nicolella, 2013. Chemical Engineering
Transactions, 32, 2293-2298, DOI: 10.3303/CET1332383

**“Effective Transport Properties in Random Packings of Spheres and Agglomer-
ates”**, Antonio Bertei, Benedetta Nucci, Cristiano Nicolella, 2013. Chemical Engi-
neering Transactions, 32, 1531-1536, DOI: 10.3303/CET1332256

**“Microstructural modeling for prediction of transport properties and electro-
chemical performance in SOFC composite electrodes”**, Antonio Bertei, Benedetta
Nucci, Cristiano Nicolella, 2013. Chemical Engineering Science, Vol 101: 175-190

**“Improving the environmental performance of vegetable oil processing through
LCA”**, Benedetta Nucci, Monica Puccini, Luigi Pelagagge, Sandra Vitolo, Cristiano
Nicolella, 2014. Journal of Cleaner Production.

“Enhancing the adoption of LCA by SMEs in industrial clusters”, Benedetta Nucci,
Tiberio Daddi, Fabio Iraldo, Francesco Testa, 2013. SETAC Europe 19th LCA Case
Study Symposium, Rome.

**“Removing obstacles to the implementation of Life Cycle Assessment among
SMEs: a collective marketing strategy for the valorization of Recycled Cardato”**,
Benedetta Nucci, Francesco Testa, Fabio Iraldo, Tiberio Daddi, 2014. SETAC Europe
20th LCA Case Study Symposium, Novi Sad.

“Enhancing the adoption of LCA by SMEs in industrial clusters”, Tiberio Daddi,
Benedetta Nucci, Fabio Iraldo, Francesco Testa, accepted for publication in the
Journal of Industrial Ecology.

**“The "state of play" in LCA: a survey on how Italian companies perform life-cycle
assessments and product footprints”** Fabio Iraldo, Francesco Testa, Sara Tessitore,
Benedetta Nucci, Tiberio Daddi. Environmental Economics, 2015.