



## Curriculum Vitae

### Personal information

First name / Surname	<b>Vincenza Ferraro</b>		
Address(es)			
Telephone			
Mobile			
E-mail			
Nationality			
Date of birth			
Gender			

### Personal statement and statement of intent

PhD in Biotechnology, MSc in Chemical Engineering (with specialisation in the Food Industry), currently post-doctoral researcher at the Catholic University of Portugal. Total 8 years of professional experience, of which 1 year in an Italian company and 7 years as a researcher in Portugal.

Great interest in the *AgreenSkills* programme for the possibility to develop a personal research project in outstanding research centres and under an international context, which is very important for implementation of results. Interest in working at INRA.

### Education and training

Location and dates	Porto (Portugal), 22 <sup>nd</sup> November 2011
Title of qualification awarded	PhD in Biotechnology
Principal subjects/occupational skills covered	Extraction and characterisation of high added value natural compounds from agro-food residues (Under the InSolEx-RNT, FP6-project, Marie Curie Actions)
Name of Institute	College of Biotechnology of Catholic University of Portugal (acronym: ESB-UCP)

Location and dates	Salerno (Italy), 29 <sup>th</sup> March 2006
Title of qualification awarded	Master of Science in Chemical Engineering
Principal subjects/occupational skills covered	Chemical engineering, food industry processes and plants
Name of Institute	Università degli Studi di Salerno (Italy)



## Work experience

Location and dates	Porto, 1 <sup>st</sup> May 2013 – 31 <sup>st</sup> December 2014 (18 months)
Occupation or position held	Post-doctoral researcher
Main activities and responsibilities	Research under the GRATITUDE-FP7 Project
Name of employer	ESB-UCP

Location and dates	Porto, 1 <sup>st</sup> April 2014 – 30 <sup>th</sup> April 2014 (13 months)
Occupation or position held	Post-doctoral researcher
Main activities and responsibilities	Research under the project NanoLacteo
Name of employer	ESB-UCP

Location and dates	Porto, 1 <sup>st</sup> October 2011 – 31 <sup>st</sup> March 2012 (6 months)
Occupation or position held	Post-doctoral researcher
Main activities and responsibilities	Research under the project ValorPeixe
Name of employer	ESB-UCP

Location and dates	Porto (Portugal), 15 <sup>th</sup> January – 15 <sup>th</sup> April 2011 (3 months)
Occupation or position held	Post-doctoral Researcher
Main activities and responsibilities	Research under the project iCOD
Name of employer	ESB-UCP

Location and dates	Porto (Portugal), January 2008 – December 2010 (36 months)
Occupation or position held	Early Stage Researcher/PhD student
Main activities and responsibilities	Research under the project InSolEx-RTN, Marie Curie Action, FP6
Name of employer	WeDoTech, Lda. (Portugal)

Location and dates	Ferrandina (MT), Italy, January 2007 - January 2008 (12 months)
Occupation or position held	Research chemical engineer
Main activities and responsibilities	Research and quality control
Name of employer	Mythen S.p.A. (Italy)

## Languages

Mother tongue(s)	Italian				
Other language(s)	<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>
	Listening	Reading	Spoken interaction	Spoken production	
<i>European level (*)</i>					
Portuguese	C2	C2	C2	C2	C2
English	C2	C2	C2	C2	C2
Spanish	B1	A2	B1	A2	A1
French	A1	A2	A1	A1	A1
<p>(*) Common European Framework of Reference for Languages  <a href="http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr">http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr</a></p>					

## Academic Record

Publications	<p><b>Accepted, in press and published articles / papers:</b></p> <ol style="list-style-type: none"> <li><b>Ferraro, V.</b>, Piccirillo, C., Pintado, M..E. Cassava (<i>Manihot esculenta</i> Crantz) and Yam (<i>Discorea</i> spp.) crops and their derived foodstuffs: safety, security and nutritional value. Accepted for publication in <i>Critical Reviews in Food Science and Nutrition</i> on May 2014. DOI 10.1080/10408398.2014.922045 (article not yet online).</li> <li><b>Ferraro, V.</b>, B. Cruz, I., Ferreira Jorge, R., Castro. M.L., P., E. Pintado, M. <i>In-vitro</i> intestinal absorption of free amino acids extracted from codfish salting (<i>Gadus murhua</i> L.) wastewater. <i>International Journal of Food Science &amp; Technology</i> (2014), 49(1), 27-33.</li> <li><b>Ferraro, V.</b>, B. Cruz, I., Ferreria Jorge, R., E. Pintado, M., Castro M.L., P. (2014). Recovery of free amino acids and muscle proteins from codfish (<i>Gadus murhua</i> L.) salting wastewater. <i>Journal of Chemical Technology &amp; Biotechnology</i>, 88(5), 671-681.</li> <li><b>Ferraro, V.</b>, B. Cruz, I., Ferreria Jorge, R., E. Pintado, M., Castro M.L., P. (2014). Kinetic study of water and nutrient release from codfish (<i>Gadus morhua</i> L.) muscle during the dry salting process. <i>Journal of Food Processing and Preservation</i>, 38(4), 1772-1778.</li> <li><b>Ferraro, V.</b>, Carvalho, A.S., Piccirillo, C., Santos, M., Castro, P.M.L, Pintado, E.M. (2013). Extraction of high added value compounds from sardine, sardine-type fish and mackerel canning residues. <i>Material Science Engineering C</i> 33, 3111-3120.</li> <li><b>Ferraro, V.</b>, B. Cruz, I., Ferreria Jorge, R., E. Pintado, M., Castro M.L., P. Effect of physical parameters onto adsorption of borderline amino acids upon Amberlite XAD16 resin. <i>Journal of Chemical &amp; Engineering Data</i> 58, 707-717 (2013).</li> <li><b>Ferraro, V.</b>, B. Cruz, I., Ferreira Jorge, R., E. Pintado, M., Castro M.L., P. Solvent extraction of sodium chloride from codfish salting processing wastewater. <i>Desalination</i> 287, 42-48 (2011).</li> <li><b>Ferraro, V.</b>, B. Cruz, I., Ferreira Jorge, R., Malcata, X.F., Castro M.L., P, E. Pintado, M. Characterisation of high added value compounds in wastewater throughout the salting process of codfish (<i>Gadus morhua</i> L.). <i>Food Chemistry</i> 124, 1363-1368 (2011).</li> <li><b>Ferraro, V.</b>, B. Cruz, I., Ferreira Jorge, R., Malcata, X.F., Castro M.L., P, E. Pintado, M. Characterisation of soluble nitrogen and muscle proteins throughout the salting process of codfish (<i>Gadus mohrua</i> L.). <i>Chemical Engineering Transactions</i> 21, 829-834 (2010).</li> <li><b>Ferraro, V.</b>, B. Cruz, I., Ferreira Jorge, R., Malcata, X.F., E. Pintado, M., Castro M.L., P. Valorisation of natural extracts from marine source focused on marine by-products – A Review. <i>Food Research International</i> 43, 2221-2233 (2010).</li> <li>Grosso, C., <b>Ferraro, V.</b>, Figueredo, A.C., Barroso, J.C., Coelho, A.J., Palavra, A.M.</li> </ol>
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	Supercritical carbon dioxide extraction of volatile oil from Italian coriander seeds. <i>Food Chemistry</i> 111, 197-203 (2008).
	<b>Submitted publications:</b>
	<ol style="list-style-type: none"> <li><b>Ferraro, V.</b>, Sousa, S., Marques, C., Calhau, C., Pintado, M. Antioxidant and anti-hypertensive activity and citotoxicity of amino acids-enriched salt extracted from codfish (<i>Gadus morhua</i> L.) salting wastewater.</li> <li><b>Ferraro, V.</b>, Madureira, A.R., Gomes, A, Pintado, E.M. Study of interactions between soluble milk proteins – <math>\alpha</math>-lactoalbumin, <math>\beta</math>-lactoglobulin and ferritin - and the polyphenol Rosmarinic acid.</li> <li><b>Ferraro, V.</b>, Madureira, A.R., Gomes, A, Pintado, E.M. Study of interactions between dispersed milk proteins and the polyphenol Rosmarinic acid.</li> <li><b>Ferraro, V.</b> Pintado, M.E. Extraction and characterization of collagen, collagen hydrolisates and gelatine from sardine and mackerel scales discarded along the canning process.</li> </ol> <p>6 articles in preparation from the <b>GRATITUDE</b> project, 2 articles in preparation from the <b>ValorPeixe</b> project</p>
Presentations as invited speaker	<ol style="list-style-type: none"> <li><b>Vincenza Ferraro</b>, Manuela Pintado. Sustainable biomaterials from agro-food residues: a challenge for biotechnology, an opportunity for biomedicine. <i>II AEICBAS Biomedical Congress</i>, 24<sup>th</sup>-26<sup>th</sup> April 2014, Porto, Portugal</li> <li><b>V. Ferraro</b>, C. Piccirillo, L. Sanni, A. Obadina, K. Tomlins, M. Pintado. Food safety evaluation for cassava (<i>Maniot esculenta</i> Crantz) and yam (<i>Discorea</i> spp.) processors in Nigeria. <i>MicroBiotech'13</i>, 6th-8th December 2013, Aveiro, Portugal</li> <li>Invited at the 3<sup>rd</sup> (2013) and 2<sup>nd</sup> (2012) Annual International Congress of Marine Biotechnology as a speaker in the section MB803: <i>Marine Biotechnology for Biofouling Control and Water/Wastewater Treatment</i> (Conferences not attended)</li> </ol>
Authored books or book chapter(s)	<i>Extraction of high added value compounds from codfish (Gadus morhua L.) salting wastewater.</i> By <b>Vincenza Ferraro</b> , Isabel B. Cruz, Ruben Ferreira Jorge, Manuela E. Pintado and Paula M.L. Castro. In <i>Bioactive compounds from marine food: plant and animal sources</i> , edited by Blanca Hernandez-Ledesma and Miguel Herrero, Chapter 21. Wiley-Blackwell Publishing, ISBN 978-1-118-41284-8.
Participation in open calls for proposals as contributor or leader	Reported in the <b>Collaborative and Networking</b> section below
Graduate teaching as lecturer or training coordinator	<ol style="list-style-type: none"> <li>Valorisation of by-product and waste from fish and seafood industry. Lesson under the Master course in Environmental Engineering, Catholic University of Portugal, College of Biotechnology, 19 March 2009 and 19 March 2010.</li> <li>Co-supervision of 2 Master Degree Thesis and of 3 Bachelor Degree Thesis</li> <li>Training responsible of 3 students from high-school (140 hours/each) under internship programs</li> <li>Training responsible of 2 trainees on Food Safety Assessment (210 hours/each)</li> </ol>
Awards and prizes, if any	

### Collaboration and Networking

Participation in collaborative projects funded by competitive programmes	<p><b>Gratitude: Gains from losses of root and tuber crops, KBBE Theme: Reducing Losses from Roots and Tubers (FP7-KBBE 2011.2.5-02/289843/2012) (2012-2015)</b></p> <p>(Partners: College of Biotechnology of Catholic University of Portugal, National Resources Institute - University of Greenwich London UK, Waringen University - Blant Breeding (Netherlands), University of Abeokuta (Nigeria), Federal Ministry of Science and Technology (NG), Council for Scientific and Industrial Research (Ghana), National Science and technology development agency (Thailand), Vein Cong Nghe Sinh Hoc Va Thuc Pham (Vietnam). Position: member of the board for management of the work package, and researcher</p>
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	<p><b>BiValBi: Biotechnologies to Valorise the regional food Biodiversity in Latin America (BiValBi)</b>, FP7 project funded by the People Marie Curie Program, in the action: International Research Staff Exchange Scheme, Call: FP7-PEOPLE-2013-IRSES. Grant Agreement number is: PIRSES-GA-2013-611493 (2013-2016). Partners: University of Vigo, Spain; Catholic University of Portugal; University of Minho, Portugal; University of Reading, UK; Catholic University of Valparaiso, Chile; Universidad Nacional de Rosario, Argentina; Embrapa, Brasil, University of Cohauila, Mexico. Position: member of the board for writing and management of proposal</p> <p><b>VALOR INEGRADOR - Integrated valorization of agro-food by-products for food and feed applications</b> AdI 38861 (2014-2016). (College of Biotechnology, Catholic University of Portugal; Faculty of Medicine, University of Porto; ICBAS, University of Porto; A Poveira, Lda., Porto, Primor, Lda. Porto, GERMEN, Lda., Porto; Sorgal, S.A., Aveiro, Portugal). Position: member of the board for writing and management of proposal</p> <p><b>NanoLcteo: NANOparticulas como veculos de transporte de compostos polifenolicos para matrizes LCTEas: avaliao da estabilidade, biodisponibilidade e tOxicidade</b> (PTDC/AGR ALI/117808/2010) (2012-2015) (College of Biotechnology of Catholic University of Portugal, Faculty of Pharmacy of Porto University). Position: Researcher</p> <p><b>ValorPeixe: Valorizao de sub-produtos e guas residuais da industria de conserva de peixe</b> (Ref. QREN/ADI 13634, Portugal) (2011-2013) (Partners: College of Biotechnology of Catholic University of Portugal, Faculty of Chemical Engineering of Porto University and a large Portuguese enterprise). Position: member of the board for writing and management of the proposal accepted for founding, and main researcher</p> <p><b>iCOD: Inovadoras Tecnologias para valorizao de sub-produtos do processamento de bacalhau</b>, AdI/QREN grant number 11466 (2010-2012) (Partners: College of Biotechnology of Catholic University of Portugal, a spin-off enterprise and a large Portuguese enterprise). Position: member of the board for writing and management of the proposal accepted for founding, and main researcher</p>
Partnerships or experience with industry	6 companies in Portugal, 1 company in Thailand, 1 company in Vietnam, 3 companies in Nigeria, 3 companies in Ghana, 3 companies in UK, 1 company in Italy, 1 company in Greece, 1 company in Norway
University or post-graduate programme leader	
Graduate teaching as lecturer or training coordinator; PhD supervision	
Membership of professional bodies and committees	

### Research management, Technology transfer, and Communication

Team management	
Technological platform management	
Consultancy for the public or private sector	



<b>Other experience and skills relevant to the application</b>	<ul style="list-style-type: none"> <li>• Evaluator of research proposals under the H2020</li> <li>• Evaluator of research proposals under de Fondecyt-Conycit (National Fund for Scientific and Technological Research, Chile)</li> <li>• Academic and industrial experience in international and multicultural context</li> <li>• Research activity under academy-industry joint research projects</li> <li>• Motivated, enthusiastic and target-driven person</li> </ul>
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### Scientific References

Full name	<b>Manuela E. Pintado</b>
Position	Associate professor
Institution	College of Biotechnology of Catholic University of Portugal
Email address	
Full name	<b>Paula M.L. Castro</b>
Position	Associate professor
Institution	College of Biotechnology of Catholic University of Portugal
Email address	
Full name	<b>Vittorio Romano</b>
Position	Associate professor
Institution	Università degli Studi di Salerno, Italy
Email address	

### How did you find out about AgreenSkills?

	Through the INRA website
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