



## Curriculum Vitae Europass

### Personal information

**First name** AMALIA  
**Surname** PIRO  
**Address**  
 Street name  
 Postcode  
 City  
 Country  
**Telephone**  
  
**E-mail**  
**Nationality**  
**Date of birth**



### Work experience

<b>Dates</b>	<b>01/12/2019-30/11/2022</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy: Laboratory of Plant Biology and Plant Proteomics (Lab.Bio.Pro.Ve.)
Main activities and responsibilities	Definizione di protocolli ottimizzati per la caratterizzazione di frutti di agrumi di pregio attraverso metodologie biochimiche e di <i>fingerprint</i> molecolare.
Occupation or position held	Assegno di Ricerca
Supervisor	Silvia Mazzuca, Associate Professor in Plant Biology
<b>Dates</b>	<b>01/01/2018-31/12/2018</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy: Laboratory of Plant Biology and Plant Proteomics (Lab.Bio.Pro.Ve.)
Main activities and responsibilities	<b>Valutazione delle condizioni di assimilazione degli ammendanti agricoli, prodotti dal processo di "fast composting" di rifiuti organici, da parte del terreno, in funzione dei fattori di crescita di varietà vegetali. Progetto RESIFAC</b>
Occupation or position held	Assegno di Ricerca
Supervisor	Silvia Mazzuca, Associate Professor in Plant Biology
<b>Dates</b>	<b>09/2017-12/2017</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy: Laboratory of Plant Biology and Plant Proteomics (Lab.Bio.Pro.Ve.)
Main activities and responsibilities	<b>"Proteomics responses of <i>Rhizophora mucronata</i> Lam. Seedlings to Hypoxia."</b>
Occupation or position held	Scientific Collaborator at the project
Supervisor	Silvia Mazzuca, Associate Professor in Plant Biology
<b>Dates</b>	<b>02/2017-09/2017</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy: Laboratory of Plant Biology and Plant Proteomics (Lab.Bio.Pro.Ve.)
Main activities and responsibilities	<b>"Evaluation of proteomics analysis of <i>Triticum aestivum</i> L. agronomic traits in generations derived from cross between Arta and Arg cultivars under drought stress and salt stress."</b>
Occupation or position held	Scientific Collaborator at the project
Supervisor	Silvia Mazzuca, Associate Professor in Plant Biology
<b>Dates</b>	<b>03/2017-04/2017</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy
Main activities and responsibilities	<b>Tutor per attività di laboratorio in campo proteomico e bioinformatico per studenti delle</b>

<b>scuole superiori in riferimento al progetto di Alternanza Scuola –Lavoro</b>	
Dates	<b>10/2017-09/2020</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy
Main activities and responsibilities	<b>Docente a contratto per il Corso integrato di Fanerogame marine per studenti di Biodiversità e Sistemi Naturali (indirizzo Marino)</b>
Occupation or position held	<b>Incarico di Insegnamento a tempo determinato</b>
Dates	<b>03/2017-09/2017</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy
Main activities and responsibilities	<b>Docente a contratto per il Corso integrato di Fanerogame marine per studenti di Biodiversità e Sistemi Naturali (indirizzo Marino)</b>
Occupation or position held	<b>Incarico di Insegnamento a tempo determinato</b>
Dates	<b>10/2016-09/2020</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy
Main activities and responsibilities	<b>Docente a contratto per il Corso di Laboratorio di Biologia Vegetale per studenti di Scienze Naturali e Biologiche</b>
Occupation or position held	<b>Incarico di Insegnamento a tempo determinato</b>
Dates	<b>04/2016-09/2016</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy
Main activities and responsibilities	<b>Docente a contratto per il Corso di Laboratorio di Biologia Vegetale per studenti di Scienze Naturali e Biologiche</b>
Occupation or position held	<b>Incarico di Insegnamento a tempo determinato</b>
Dates	<b>11/2015-today</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy: Laboratory of Plant Biology and Plant Proteomics (Lab.Bio.Pro.Ve.)
Main activities and responsibilities	<b>Cytological analysis in leaves of <i>Cymodocea nodosa</i> exposed to elevated CO<sub>2</sub> level.</b>
Occupation or position held	Scientific Collaborator at the project
Supervisor	Silvia Mazzuca, Associate Professor in Plant Biology
Dates	<b>3/2015- 10/2015</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy: Laboratory of Plant Biology and Plant Proteomics (Lab.Bio.Pro.Ve.)
Main activities and responsibilities	<b>Proteomic fingerprinting of limon fruits and traceability in derived products.</b>
Occupation or position held	Research Fellowship
Supervisor	Silvia Mazzuca, Associate Professor in Plant Biology
Dates	<b>1/2014-today</b>
Name and address of employer	Department of Chemistry and Chemical Technologies, University of Calabria, Italy: Laboratory of Plant Biology and Plant Proteomics (Lab.Bio.Pro.Ve.)
Main activities and responsibilities	<b>The Aeolian Islands as a scenario for climate change. Adaptation of seagrasses to acidification of the Mediterranean Sea. Proteomic approaches.</b>
Occupation or position held	Scientific Collaborator at the project
Supervisor	Silvia Mazzuca, Associate Professor in Plant Biology
Dates	07/2010- today
Name and address of employer	Doposcuola per studenti di scuole elementari, medie e superiori. Preparazione esami universitari
Main activities and responsibilities	Tutor di Biologia, Chimica, Matematica, Biochimica, Patologia generale, Endocrinologia, Biologia molecolare. Esperta in situazioni problematiche.
Occupation or position held	Docente ripetizione
• Date (da – a)	<b>2002-2003</b>
• Nome e indirizzo del datore di lavoro	Ufficio Nazionale per il Servizio Civile
• Tipo di azienda o settore	Unione Italiana Ciechi Sede di Cosenza
• Tipo di impiego	Volontario del Servizio Civile
• Principali mansioni e responsabilità	Accompagnare i non-vedenti

### Education and training

Dates	<b>Settembre 2017</b>
Name and type of organisation providing education and training	<b>Dipartimento di Chimica e Tecnologie Chimiche - Università della Calabria</b>
Principal subjects/occupational skills	<b>Corso intermedio</b>

Level Supervisor	<ul style="list-style-type: none"> <li>- Corso teorico di spettrometria di massa</li> <li>- Training operativo diretto sullo strumento LTQ XL Thermo</li> <li>- Approfondimento delle funzioni avanzate dei software xcalibur e data analysis per l'acquisizione ed elaborazione dei dati.</li> </ul> <p>Corso di formazione intermedio di spettrometria di massa Dott.Simone Cristoni della I S B - Ion Source &amp; Biotechnologies S.r.l. Via Ludovico Ariosto, 21 20091 Bresso (MI).</p>
Dates	24-30 Settembre 2016
Name and type of organisation providing education and training	Laboratorio OGS "ECCSEL-NatLab Italy" Panarea (isole Eolie)
Principal subjects/occupational skills	Summer school di subacqua scientifica (tecniche di mappatura dei fondali, campionamenti di acqua, di gas e di sedimento, posizionamento di sonde multiparametriche, misure di flussi, tecniche di <i>visual census</i> , misure di densità e copertura del benthos, valutazione del grazing su <i>Posidonia</i> ).
Level Supervisor	Corso di formazione di subacquea scientifica Prof.ssa Sabina Bigi (Università La sapienza di Roma), Dott.ssa Cinzia De Victor (OGS di Trieste), Dott. Francesco italiano (INGV-Palermo), Dott.ssa Maria Cristina Gambi (Stazione Zoologica Anton Dohrn NA), Andrea Fogliuzzi (Amphibia diving center- Panarea).
Dates	19-23 Settembre 2016
Name and type of organisation providing education and training	Sea Lab in collaborazione con Legambiente e il Museo Vivo del Mare di Pioppi (SA)
Principal subjects/occupational skills	Studio e monitoraggio delle praterie di <i>Posidonia oceanica</i> (corso teorico-pratico)
Level Supervisor	Corso di formazione di subacquea scientifica Dr. Luigi Valiante
Dates	FINO A MAGGIO 2021
Name and type of organisation providing education and training	Fipsas (Federazione Italiana Pesca Sportiva e Attività Subacquea)
Principal subjects/occupational skills	Soccorritore abilitato
Level Supervisor	BLS-AED-OXY Sede Regionale/Provinciale Fipsas -Rende
Dates	08 Aprile 2016
Name and type of organisation providing education and training	Politecnico di Milano
Principal subjects/occupational skills	CORSO RADRL- PREPOSTI
Level Supervisor	Corso di formazione Il Direttore generale Graziano Dragoni
Dates	08 Aprile 2016
Name and type of organisation providing education and training	Politecnico di Milano
Principal subjects/occupational skills	GESTIONE DELLE EMERGENZE
Level Supervisor	Corso di formazione Il Direttore generale Graziano Dragoni
Dates	10-11 Giugno 2015
Name and type of organisation providing education and training	Dipartimento di Chimica, Materiali e Ingegneria Chimica "Giulio Natta" - Politecnico di Milano
Principal subjects/occupational skills	"Sicurezza nei Laboratori Chimici"
Level Supervisor	Corso di formazione del Servizio Prevenzione e Protezione Dipartimentale ASPP Mirvana Lauria, Direttore del corso
Dates	28 Maggio 2015
Name and type of organisation providing education and training	Politecnico di Milano
Principal subjects/occupational skills	"Rischio Chimico"
Level Supervisor	Corso di formazione Il Direttore generale Graziano Dragoni
Dates	28 Maggio 2015

Name and type of organisation providing education and training	<b>Politecnico di Milano</b>
Principal subjects/occupational skills	<b>“Corso base sulla sicurezza”</b>
Level	<b>Corso di formazione</b>
Supervisor	<b>Il Direttore generale Graziano Dragoni</b>
Dates	<b>1 November 2010 to 20 January 2014</b>
Name and type of organisation providing education and training	Università della Calabria
Principal subjects/occupational skills	<b>Leaf Proteomics Of Seagrasses Under Different Light Conditions And Salinity</b>
Level	PhD Tesi in Biologia Vegetale ( <b>BIO/01</b> ), Scuola di Dottorato “Life Sciences”
Supervisor	Silvia Mazzuca, Associate Professor in Plant Biology
Dates	<b>16 to 17 September 2013</b>
Name and type of organisation providing education and training	Fondazione E. Mach di S. Michele all’Adige (TN)
Principal subjects/occupational skills	<b>“Plant Bioinformatics: an Evolutionary and Functional Approach”</b>
Level	Summer School di bioinformatica (Società botanica italiana)
Supervisors	Dr. Claudio Varotto, Fondazione E. Mach - Dr. Maria Luisa Chiusano, University of Naples “Federico II” - Dr. Riccardo Velasco, Dr. Alessandro Cestaro and Dr. Michela Troggo, Fondazione E. Mach - Dr. Alessio Mengoni, University of Florence – Prof. Eugenia Polverini, University of Parma - Prof. Livio Trainotti, University of Padova
Dates	<b>6-11 May 2013</b>
Name and type of organisation providing education and training	University of Palermo
Principal subjects/occupational skills	<b>Effects of increased CO<sub>2</sub> /OA on Seagrass Meadows - Vulcano, Isole Eolie, Sicilia, Italia</b>
Level	Training School -COST ES0906 member
Supervisor	Dr. Salvatrice Vizzini
Dates	<b>19/02/2012 to 1/12/2012</b>
Name and type of organisation providing education and training	ALGAE – Marine Plant Ecology from the Center of Marine Sciences of University of Algarve, Faro, Portugal
Principal subjects/occupational skills	<b>The application of proteomic techniques for evaluating the molecular mechanisms involved in the adaptation of <i>Cymodocea nodosa</i>, <i>Zostera marina</i>, <i>Zostera noltii</i> in the Ria Formosa.</b>
Level	STSM (Short-Term Scientific Mission)- COST ES0906 member
Supervisor	Prof. Rui Santos (Coordinator Algae-Marine Ecology Research Group)
Dates	<b>15/07/2011 to 15/09/2011</b>
Name and type of organisation providing education and training	Spanish Oceanography Institute Of Murcia
Principal subjects/occupational skills	<b>The application of proteomic techniques for understanding of molecular mechanisms in <i>Cymodocea nodosa</i> under salt stress in mesocosm.</b>
Level	STSM (Short-Term Scientific Mission)- COST ES0906 member
Supervisor	Dr. Juan Manuel Ruiz Fernández
Dates	<b>2011- 1/3-03</b>
Name and type of organisation providing education and training	Stazione Zoologia “A.Dorhn”, Napoli, Italia
Principal subjects/occupational skills	<b>Workshop: Linking ecophysiology and ecogenomics in seagrass systems</b>
Level	COST ES0906 member
Supervisor	Dr. Gabriele Procaccini
Dates	<b>07/03/2011 to 10/03/2011</b>
Name and type of organisation providing education and training	University of Vigo, Ourense, Spain
Principal subjects/occupational skills	<b>Hands-on Course in <sup>18</sup>O-based protein quantification for proteomics. Proteomics lab training on:</b>
	<ul style="list-style-type: none"> <li>• Protein separation by 1D-GE</li> <li>• Protein quantization by spectrometer UV-(Nanodrop)</li> <li>• Ultrafast protein digestion by ultrasounds</li> <li>• <sup>18</sup>O Protein Labellingby uncoupled approach withtrypsin nanoparticles</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>MALDI-TOF-MS spectrometry</b></li> </ul>
Level	<b>Bioinformatic tools for proteomics.</b>
Supervisor	Advanced Training Course Prof. José Luis Capelo Martínez
Dates	<b>2010 - September– December</b>
Name and type of organisation providing education and training	University of Calabria- Laboratory of Cell Physiology
Principal subjects/occupational skills	<b>Electrophoresis separation of complex protein mixture under denaturant conditions.</b>
Level	Post Graduate Internship
Supervisor	Dr. Sergio Mazzulla, Researcher in Cell Physiology
Dates	<b>10/2006-7/2010</b>
Name and type of organisation providing education and training	University of Calabria- Laboratory of Cell Physiology
Principal subjects/occupational skills	<b>Protective effect of phenolic fractions from natural extracts in human erythrocytes</b>
Level	Degree in Biological Sciences address molecular pathology
Supervisor	Dr. Sergio Mazzulla, Researcher in Cell Physiology
Date (da – a)	<b>1999-2001</b>
Nome e tipo di istituto di istruzione o formazione	Croce Rossa Italiana
Principali materie / abilità professionali oggetto dello studio	Primo Soccorso
Qualifica conseguita	Pioniere della Croce Rossa Italiana

### Professional Experience: 11/2010- today

Plant Biology and Proteomic Laboratory (Lab.Bio.Pro.Ve)- Department of Chemistry and Technologies/(CTC)- Plant Cell Physiology Laboratory. Department of Ecology.

Currently she is a post-doctoral researcher of the research team of Plant Proteomics. The main research topic of the team is to understand the mechanisms of acclimation toward the stress events through the protein pattern analyses in seagrasses species, particularly *Posidonia oceanica* and *Cymodocea nodosa* that are considered as bioindicators of the Mediterranean coastal sea environment quality. The interest in this topic has induced to develop new methods for the protein purification from tissues of these plants and organelle isolation for the proteomic purposes. In this context she had applied high-throughput system to get the identification of the proteins differentially expressed in tissues of plants exposed to environmental stressor such as light stress, salinity stress and high CO<sub>2</sub> levels. In the frame of her PhD research project she applied the basal methodology for the 1-DE protein separation coupled with the innovative mass spectrometry technologies. On these bases she performed the leaf proteomics of *Posidonia* linked to the functional genomics approach in collaboration with Dr. Gabriele Procaccini, Stazione Zoologica "A. Dohrn", Naples (article in preparation). At the same time she is also involved to the recognition of cytological parameters related to plant acclimation to low light condition, such as the chloroplast ultrastructures, the levels of the pigments and the sub-proteome of chloroplast compartments. On this topic she had consolidated her scientific skills toward seagrass and plant physiology researchers around the world focusing her activities on seagrasses proteomics linked to the ecophysiology in the frame of the COST Action "Seagrass productivity: from genes to ecosystem management" lunched at the March 2011. Application of proteomic technologies has been made also in *Cymodocea nodosa* under salt stress in collaboration with the Spanish Oceanography Institute, Oceanography Centre of Murcia and in *Zostera nolti* and *Zostera marina* in collaboration with the ALGAE group of the University of Algarve, Faro, Portugal. In the frame of the HighGrass project, founded by the Portugal Ministry of Sciences, her research activities had got inside on seagrass acclimation to ocean acidification in the extreme scenario of the CO<sub>2</sub> vents that will deserve publications as soon.

### Awards and research fellowships

18-22/5/2015	<b>Piro A.</b> et al.(2015). Analysis of leaf metabolic pathway in seagrasses living in high and normal CO <sub>2</sub> environments: a proteomics view. <b>MSW_SIMB AWARDS 2015 for best oral communication</b>
6–11/5/2013	Training School Vulcano Island, Italy. <b>COST ACTION ES0906 STSM.</b>
19/2/2012–1/12/2012	ALGAE – Marine Plant Ecology from the Center of Marine Sciences of University of Algarve, Faro, Portugal. <b>COST ACTION ES0906 STSM.</b>
6/6/2012–15/7/2012	<b>ASSEMBLE STSM</b> research fellowship at the CCMAR, Centre for Marine Sciences, University of Algarve, Faro, Portugal.

### Scientific collaboration with international and national research teams

- Prof. Rui S. and Dr. Silva J. Physiology of photosynthesis in seagrasses, climate changes effects on CO<sub>2</sub> utilization. ALGAE–Marine Plant Ecology, Center of Marine Sciences (CCMAR), University of Algarve, Faro, Portugal.
- Dr. Runcie J. Photobiology of seagrasses. School of Biological Sciences, University of Sydney, Sydney, Australia.
- Prof. Bjork M. Seagrass biology and physiology, photorespiration. Department of Botany, Stockholm University, Stockholm, Sweden.
- Prof. Beer S., Emeritus. Seagrass biology and physiology. Department of Plant Sciences, Tel Aviv University, Tel Aviv, Israel.
- Prof. Gobert S. Seagrass ecology, non destructive sampling of seagrasses. Département de Biologie, Ecologie et Evolution, Université de Liege, Belgium.
- Dr. Rolland N. Proteomics of chloroplasts, sub-organelle proteomics. Laboratoire de Physiologie Cellulaire Végétale (LPCV), Institut de Recherches en Technologies et Sciences pour le Vivant (IRTSV) CNRS (UMR-5168) / CEA / INRA (UMR1200) / Université Joseph Fourier CEA Grenoble.
- Prof. Righetti P. and Dr. Fasoli E. Proteomics by means of the combinatorial peptide ligand libraries . Dipartimento di Chimica, Materiali ed ingegneria Chimica G. Natta. Politecnico di Milano, Milano.
- Dr. Perrotta G. and Dr. Bianco L.. Mass spectrometry applied to chloroplast proteomics Laboratorio di genomica funzionale, ENEA Trisaia, Policoro.
- Dr. Ruiz Fernandez J.M. Salinity stress in seagrasses under controlled conditions. IEO (Oceanography Centre of Murcia).
- Dr. Gabriele Procaccini- Genomics of seagrasses. Stazione Zoologica A. Dohrn, Naples.

### List of publications

#### Articles

1. Masoumeh Nemati, **Amalia Piro**, Mohammad Moghaddam Vahed, Majid Norouzi , Dante Matteo Nisticò, Silvia Mazzuca. Comparative physiological and leaf proteomic analyses revealed the tolerant and sensitive traits to drought stress in two wheat parental lines and their F6 progenies Environmental and Experimental Botany 158 (2019) 223–237, <https://doi.org/10.1016/j.envexpbot.2018.10.024> , 2018.
2. Gabriele Procaccini, Miriam Ruocco, Lázaro Marín-Guirao, Emanuela Dattolo, Christophe Brunet, Daniela D'Esposito, Chiara Lauritano, Silvia Mazzuca, Ilia Anna Serra, Letizia Bernardo, **Amalia Piro**, Sven Beer, Mats Björk, Martin Gullström, Pimchanok Buapet, Lina M. Rasmusson, Paulo Felisberto, Sylvie Gobert, John W. Runcie, João Silva, Irene Olivé, Monya M. Costa, Isabel Barrote & Rui Santos, Depth-Specific Fluctuations of Gene Expression and Protein Abundance Modulate The Photophysiology in The Seagrass *Posidonia oceanica*, 2017 *Scientific Reports* 7:42890 DOI: 10.1038/srep42890.
3. **Piro A.**, Serra I.A., Spadafora A., Cardilio M., Bianco L., Perrotta G., Santos R. and Mazzuca S. (2015). Purification of intact chloroplasts from marine plant *Posidonia oceanica* suitable for organelle proteomics. *Proteomics*, DOI: 10.1002/pmic.201500246.
4. **Piro A.**, Marín-Guirao L., Serra I.A., Spadafora A., Sandoval- Gil J.M., Bernardeau-Esteller J., Ruiz Fernandez J.M. and Mazzuca S. (2015). The modulation of leaf metabolism plays a role in salt tolerance of *Cymodocea nodosa* exposed to hypersaline stress in mesocosms. *Frontiers in Plant Sciences*, DOI:10.3389/fpls.2015.00464.
5. **Piro A.**, Bernardo L., Serra I.A., Lucini L., Silva J., Olivé Samarra I., Mendes Costa M., Santos R., Mazzuca S. Analysis of leaf metabolic pathways in seagrasses living in high and normal CO<sub>2</sub> environments: a proteomics view. (*In preparation*).
6. **Piro A.**, Fasoli E. and Mazzuca S. (2018) Lemon of Rocca Imperiale IGP: "Proteomic fingerprint" and traceability of derived products. (*In preparation*).
7. Phandee S., Buapet P., **Piro A.**, Mazzuca S. Proteomic Responses of the Mangrove Seedlings *Rhizophora mucronata* Lam. to Complete Submergence. (*In preparation*).
8. Phandee S., Buapet P., **Piro A.**, Mazzuca S. Comparative Leaf Proteomics of the Common Mangrove *Rhizophora mucronata* Lam. Seedlings to Complete Submergence. (*In preparation*).

#### Oral communications in a congress/workshop

1. Surangkana Phandee, **Amalia Piro**, Silvia Mazzuca, Pimchanok Buapet, Experimental Flooding Affects Physicochemical Conditions, Induces Some Physiological Responses and Alters Proteomic Profile of the Seedlings of a Common Mangrove, *Rhizophora mucronata*. 5th international Mangrove Macrobenthos and Management meeting (MMM5) , from 01 to 05 July 2019 in Singapore.
2. **Piro A.** Low identification rate of proteins from non-model or rare plant species due to lack of right databases format. *Proteomix International* , Padova 2018.
3. **Piro A.** Tecniche Di Monitoraggio Costiero – Biologico. CONVEGNO HABITAT COSTIERO EQUILIBRIO SPIAGGE EMERSE-SOMMERSE. CORIGLIANO CALABRO - Aula magna Istituto tecnico geometra Via S. Emilio. Venerdì 15 Dicembre 2017

4. **Piro A.** "Ambiente e cambiamenti climatici: l'approccio proteomico e biochimico nella ricerca di base ed applicata" (Laboratorio La.Bio.PRO.VE)-Dipartimento Di Chimica E Tecnologie Chimiche Università Della Calabria – Unical. "La Chimica E Le Tecnologie Chimiche: Formazione\_Ricerca\_Lavoro 2a Edizione ( Id Evento Cs01-2017) Sala Stampa "Centro Congressi" Giovedì 15 Giugno 2017.
5. **Piro A.**, Serra I.A., Bernardo L., Lucini L., Silva J., Olivè Samarra I., Mendes Costa M., Santos R., Mazzuca S. Analysis of leaf metabolic pathways in seagrasses living in high and normal CO<sub>2</sub> environments: a proteomics view. Riunione congiunta Gruppi di Lavoro Società Botanica Italiana " Biologia Cellulare e Molecolare" e "Biotecnologie e Differenziamento". Amantea (CS).14-16 Giugno 2016.
6. **Piro A.**, Fasoli E. and Mazzuca S. (2016) Lemon of Rocca Imperiale IGP: "Proteomic fingerprint" and traceability of derived products. Riunione congiunta Gruppi di Lavoro Società Botanica Italiana " Biologia Cellulare e Molecolare" e "Biotecnologie e Differenziamento". Amantea (CS).14-16 Giugno 2016.
7. **Piro A.**, Iaquina V., Serra I.A. Bernardo L., Lucini L., Silva J., Olivè Samarra I., Mendez Costa M. Santos R. and Mazzuca S. (2015). Analysis of leaf metabolic pathway in seagrasses living in high and normal CO<sub>2</sub> environments: a proteomics view. Mediterranean seagrasses Workshop Sardinia 2015, Oristano, Italy May 18<sup>th</sup>-22<sup>nd</sup>,2015.
8. Mazzuca S., **Piro A.**, Serra I.A., Spadafora A., Cardilio M., Bianco L., Perrotta (2014). Purification of intact chloroplasts from *Posidonia oceanica* suitable for organelle proteomics. 1st INPPO World Congress 2014 August 31st - September 4th, 2014, Hamburg.
9. Sandoval J., Ruocco M., **Piro A.**, Winters G. and Sordo S. (2013) "Site Description; Co2 Effects on *Cymodocea Nodosa* Photosynthesis, C Uptake And Photosynthesis-Related Gene Expression". *Training school on the "Effects of CO<sub>2</sub>/Ocean Acidification on Seagrass meadows". COST Action ES0906: Seagrass productivity: from genes to ecosystem management.* Vulcano (Aeolian Islands, Italy),6-11 May 2013.
10. **Piro A.** (2012) "An integrated protocol for protein extraction from envelope, stroma and thylakoids of *Posidonia oceanica* chloroplasts" . Seminar at the ASSEMBLE 27/06/2012, Faro, Portugal.
11. Mazzuca S., Serra I.A., Spadafora A., **Piro A.** (2011). Developing the proteomics in seagrasses: what challenges do occur, what technical skills are required, what outputs are expected. *Workshop: Linking ecophysiology and ecogenomics in seagrass ecosystems.* COST Action ES0906 . Naples, 1-2 March.

#### Abstracts, posters in congress/workshops

1. **Piro A.**, Fasoli E. and Mazzuca S. Lemon of Rocca Imperiale IGP: "Proteomic fingerprint" and traceability of derived products. 3rd INPPO World Congress, Padova 2018
2. Phandee S., Buapet P., **Piro A.**, Mazzuca S. Proteomic Responses of the Mangrove Seedlings *Rhizophora mucronata* Lam. to Complete Submergence. 3rd INPPO World Congress, Padova 2018
3. Phandee S., Buapet P., **Piro A.**, Mazzuca S. Comparative Leaf Proteomics of the Common Mangrove *Rhizophora mucronata* Lam. Seedlings to Complete Submergence. 3rd INPPO World Congress, Padova 2018
4. **Piro A.**, Serra I.A., Spadafora A., Cardilio M., Bianco L., Perrotta G. and Mazzuca S. (2014). "Purification of intact chloroplasts from marine plant *Posidonia oceanica* suitable for organelle proteomics". Final Conference of COST Action ES0906 to be held on 4-6 March 2014 at the Real Marina Hotel, Olhao, Portugal. COST-ESF services has approved the financial commitment to reimburse. 4-6 March 2014.
5. **Piro A.**, Spadafora A., Serra I.A., Ruiz Fernandez J.M. and Mazzuca S. (2014) "Responses of Mediterranean *Cymodocea nodosa* seagrass to hypersaline stress at physiological and molecular levels". Final Conference of COST Action ES0906 to be held on 4-6 March 2014 at the Real Marina Hotel, Olhao, Portugal. COST-ESF services has approved the financial commitment to reimburse. 4-6 March 2014.
6. **Piro A.**, Serra I.A., Spadafora A., Mazzuca S., "An integrated protocol for chloroplasts purification from *Posidonia oceanica* suitable for proteomic analyses". VII ItPA Annual Congress, Viterbo June 12-15<sup>th</sup>, 2012.
7. Serra I.A. , Spadafora A., Cristoni S., **Piro A.**, Repetto O., Dibari V.F. and Mazzuca S.(2012). Leaf proteome of marine plant, *Posidonia oceanica*, reveals some insight on acclimation to low light and depth. 107° Congresso Società Botanica Italiana, Benevento, 18-21 September.
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#### Language Skills

Italian	Native language
English	Good reading, basic writing and verbal skills
Spanish	Very good orally and written
Portuguese	Very good orally and basic writing

#### Aquatic Skills:

Certification Level II Diver (until 30 meters depth)  
Operatore Scientifico Subacqueo AIOSS

Dichiarazione resa ai sensi degli artt. 46/47 del D.P.R. 445/2000 e consapevole che le dichiarazioni mendaci sono punite ai sensi del codice penale e delle leggi speciali in materia, secondo le disposizioni richiamate dall'art. 76 del D.P.R. 445/2000. Autorizzo al trattamento dei miei dati personali ai sensi del decreto Lgs.196/2003.

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