

PERSONAL INFORMATION

Jasmine Ferrario



📍 Via Felice Cavallotti, 54, 26841, Casalpusterlengo, ITALY

📞 3493704038

✉ jasmine.ferrario@unipv.it

💬 Skype jas_fer@hotmail.it

Sex F | Date of birth 12/09/1986 | Nationality Italian

ORCID ID orcid.org/0000-0003-4462-4141

EDUCATION AND TRAINING

1 November 2012 – 31 October 2015

PhD: Experimental Ecology and Geobotany

Tutor: Prof. Anna Occhipinti / Co-Tutor: Dr. Agnese Marchini – University of Pavia (Italy) - Department of Earth and Environmental Sciences

Marine non-indigenous species introduction, water quality assessment and risk prevention: role of vessels in primary introduction and secondary spread.

26 to 30 January 2015

Experimental Design and Analysis of Multivariate Data

Prof. Victor Quintino - University of Aveiro (Portugal)

Experimental design, multivariate analysis, clustering, ordination, hypothesis testing. Use of the software PRIMER v6 with the add-on PERMANOVA+

22 to 26 September 2014

VECTORS Ecosystem Services Summer School

Plymouth Marine Laboratory (PML) – Plymouth (UK)

Ecosystem services: economic valuation methods, alternative non-monetary approaches to their assessment, their application and implications for marine governance

9 to 11 April 2014

Alien Challenge Training School

COST Action TD1209 ALIEN Challenge, hosted by the Hellenic Centre for Marine Research (Hydrobiological Station of Rhodes, Greece)

Non-indigenous species sampling and taxonomic identification

7 to 9 October 2013

Course: Marine amphipod crustaceans taxonomy

Dr. Sabrina Lo Brutto (University of Palermo, Italy) and Dr. Traudl Krapp-Schickel (Forschungsmuseum A. Koenig)

Taxonomic identification keys of amphipods

November 2010 – August 2011
110/110 cum laude

Postgraduate course: Applied Coastal Sciences

University of Parma (Italy), ENEA Santa Teresa, Centro Ricerche Marine, (La Spezia-Italy)

Analisi storica dei dati sulle praterie a fanerogame marine (*Posidonia oceanica* e *Cymodocea nodosa*) nel tratto di costa tra Levanto e Monterosso, Tutor: Dr. Andrea Peirano

19 to 26 September 2010

I.S.S.D. (International School of Scientific Diving)

23° I.S.S.D. (Elba Island - Italy)

Coastal geology and sedimentology, bionomic and geomorphologic underwater transept, samples techniques on hard substrate, samples on *Posidonia oceanica* meadows, visual census

October 2008 – July 2010
108/110

Master Degree: Marine Biology

University of Pisa (Italy)

Misure metaboliche delle praterie di *Posidonia oceanica* (Codice Habitat 1120) attraverso l'utilizzo della camera benthica, Tutor: Prof. Francesco Cinelli

October 2005 – July 2008
110/110

Bachelor degree: Sciences and Technologies for Nature – Environmental Science and Management

University of Pavia (Italy)

Saprolegnie colonizzanti carcasse di trota in un torrente dell'Appennino Piemontese, Tutor: Prof. Giuseppe Del Frate

RESEARCH GRANTS- CONTRACTS

01 January 2017 –
31 December 2017

Post-doc fellowship

Prof. Anna Occhipinti – University of Pavia (Italy) - Department of Earth and Environmental Sciences
Identification of Italian marinas at high risk of non-indigenous species invasion

01 March 2016 –
31 December 2016

Research grant

Prof. Anna Occhipinti – University of Pavia (Italy) - Department of Earth and Environmental Sciences
Assessment of non-indigenous species introduction in Italian marinas

01 June 2012 –
30 September 2012

Research grant

Prof. Anna Occhipinti – University of Pavia (Italy) - Department of Earth and Environmental Sciences
Taxonomic identification of macrozoobenthos on hard substrate in marine transitional waters and management of a database on non-indigenous species.

THESIS CO-TUTOR

Co-tutor in Biological Science bachelor degree thesis (University of Pavia, Italy)

- “Identificazione di specie aliene nel settore settentrionale della Laguna di Venezia: comunità bentonica sessile” Candidate: Carlotta Mariafrancesca Meriggi, Tutor: Anna Occhipinti, Co-tutor: Jasmine Ferrario, Relato Sconfietti
- “Imbarcazioni turistiche e dispersione di specie non indigene marine: valutazione delle abitudini e consapevolezza dei diportisti tramite interviste” Candidate: Greta Gaiani, Tutor: Anna Occhipinti, Co-tutor: Jasmine Ferrario
- “First european finding in the Ligurian Sea (North-Western Italy) of the Pacific bryozoan *Watersipora arcuata*” Candidate: Anja Nikolova, Tutor: Anna Occhipinti, Co-tutor: Jasmine Ferrario, Agnese Marchini

Co-tutor in Biological Science master degree thesis (University of Pavia, Italy)

- “Identificazione dei popolamenti a Crostacei Peracaridi del porto di Olbia e ipotesi sull'origine della componente non-indigena” Candidate: Carmelo Bonuomo, Tutor: Anna Occhipinti, Co-tutor: Jasmine Ferrario

OTHER ACTIVITIES

October 2010 – December 2013

Environmental Education

Verdeacqua Società Cooperativa Sociale Onlus – Milan Civic Aquarium (www.verdeacqua.eu)

- Aquarium guide
- Environmental education and didactic laboratories

August 2007 – October 2007

Sea Turtle Protection Project

CEA (Centro Ecologico Akumal) – Akumal, Mexico

Volunteering program for the protection, conservation, research and environmental education of Akumal's sea turtles

CONFERENCES

1. 44° Congress SIBM (Italian Society of Marine Biology, Rome - Italy, 14-16 May 2013), presentation of 1 poster: **Ferrario J.**, Savini D., Lodola A., Marchini A. & Occhipinti-Ambrogi A. "Risk of non-indigenous species introduction via international sea food trade: the case of Chioggia fish market"
2. XXIII Congress S.It.E. (Italian Society of Ecology, Ancona – Italy, 16-18 September 2013) presentation of 1 poster: **Ferrario J.**, Marchini A. & Occhipinti-Ambrogi A., "Imbarcazioni turistiche e rischio di dispersione di specie non-indigene: valutazione della consapevolezza dei diportisti tramite interviste online"
3. XXIII Congress S.It.E. (Italian Society of Ecology, Ancona – Italy, 16-18 September 2013) presentation of 1 oral communication: **Marchini A.**, Ferrario J. & Occhipinti-Ambrogi A., "Valutazione del rischio di dispersione di specie non-indigene dovuto alla nautica da diporto con un modello fuzzy a due livelli"
4. 40° Congress CIESM – The Mediterranean Science Commission (Marseille – France, September 2013) presentation of 1 poster: Marchini A., Ferrario J. & **Occhipinti-Ambrogi A.** "Recent additions of the alien marine biota along Italian coasts"
5. 45° Congress SIBM (Italian Society of Marine Biology, Venice - Italy, 19-23 May 2014), presentation of 1 poster: **Ferrario J.**, Marchini A., Lodola A. & Occhipinti-Ambrogi A. "The pseudoindigenous bryozoan *Zoobotryon verticillatum* along the Mediterranean and European Atlantic coasts"
6. XXIV Congress S.It.E (Italian Society of Ecology, Ferrara 15-17 September 2014): presentation of 1 oral communication: **Marchini A.**, Ferrario J., Sfriso A. & Occhipinti-Ambrogi A., "The "melting pot" biota of the Lagoon of Venice, a hotspot of marine NIS introductions in the Mediterranean Sea"
7. 16th ICA (International Colloquium on Amphipoda, Aveiro 7-11 September 2015): presentation of 1 poster: **Marchini A.**, Ferrario J., Nasi E. & Occhipinti-Ambrogi A., 2015. "*Grandidierella japonica* Stephensen, 1938 has appeared in a Mediterranean marina (Tuscany, Italy): first signals of invasion?"
8. 50th EMBS (European Marine Biology Symposium, Helgoland 19-25 September 2015): presentation of 2 oral communications: **Ferrario J.**, Marchini A. & Occhipinti-Ambrogi A., "Do harbours and nearby marinas share non-indigenous species? Examples from Northern Italy"; **Marchini A.**, Ferrario J. & Occhipinti-Ambrogi A., "Prioritizing management of non-indigenous species in the Lagoon of Venice: mission impossible?"
9. 9th Conference on Marine Bioinvasions (Sydney, Australia, 19-21 January 2016): presentation of 1 poster: Ferrario J., **Marchini A.**, Occhipinti-Ambrogi A., "Quantifying the risk of fouling of non-indigenous species and spread by recreational boats using fuzzy logic: a case study from Italy"
10. Mares Conference (Olhão, Portugal, 1-5 February 2016): presentation of 1 poster: **Ferrario J.**, Marchini A., Marić M., Minchin D., Occhipinti-Ambrogi A. "Further spreading of the non-indigenous bryozoan *Celleporaria brunnea* in the Mediterranean Sea: port to port morphological variation"
11. EuroMarine Workshop – Management of bioinvasions in the Mediterranean Sea, the way forward (Villa Dohrn-Benthic Ecology Center e Hotel Villa Marina, Ischia, 4-5 May 2016): presentation of 1 oral communication: **Occhipinti-Ambrogi A.**, Ferrario J., Marchini A. "Trans-national dispersal of non-indigenous species in the Mediterranean Sea: pathways of secondary spread and control strategies"
12. 47th Congress SIBM (Italian Society of Marine Biology, Turin 13-17 June 2016), presentation of 2 posters: **Ferrario J.**, Ulman A., Marchini A., Saracino F., Occhipinti-Ambrogi A. "Non-indigenous fouling species in the marina of Rome"; **Marchini A.**, Beffa M.L., Ferrario J., Occhipinti-Ambrogi A. "Ritrovamenti del raro isopode *Eisothistos macrurus* Wägele, 1979 in Sardegna e Liguria e considerazioni sulla sua distribuzione Mediterranea"
13. 1st National Joint Congress SItE – UZI – SIB (Milan, 30 August – 2 September 2016): presentation of 1 poster: **Ferrario J.**, Lorenti M., Martinez-Laiz G., Ulman A., Marchini A., Occhipinti-Ambrogi A. "Anthurid invasion" along the Mediterranean coasts: the spreading of *Mesanthura* cfr. *romulea* and *Paranthura japonica*.
14. 41st Congress CIESM – The Mediterranean Science Commission (Kiel, 12-16 September 2016), presentation of 1 poster: **Marchini A.**, Ferrario J., Occhipinti-Ambrogi A. "The relative importance of aquaculture and shipping as vectors of introduction of marine alien species: the case of Olbia (Sardinia)"

In bold type the presenters

1. **Ferrario, J.**, Savini, D., Lodola, A., Marchini, A. & Occhipinti-Ambrogi A., 2013. Risk of non-indigenous species introduction via international sea food trade: the case of Chioggia fish market. *Biologia Marina Mediterranea* 20 (1): 236-237
2. Marchini, A., **Ferrario, J.** & Occhipinti-Ambrogi, A., 2013. Recent additions of the alien marine biota along Italian coasts. *Rapport del la Commission International de la Mer Méditerranée*, 40: 887
3. **Ferrario, J.**, Marchini, A., Lodola, A. & Occhipinti-Ambrogi, A., 2014. The pseudoindigenous bryozoan *Zoobotryon verticillatum* along the Mediterranean and European Atlantic coasts. *Biologia Marina Mediterranea* 21(1): 117-118
4. Lodola, A., **Ferrario, J.**, & Occhipinti-Ambrogi, A. (2015). Further Mediterranean expansion of the non-indigenous bryozoan *Celleporaria brunnea*: multiple records along the Italian coasts. *Scientia Marina*, 79(2): 263-274.
5. Marchini, A., **Ferrario, J.**, Sfriso, A., & Occhipinti-Ambrogi, A. (2015). Current status and trends of biological invasions in the Lagoon of Venice, a hotspot of marine NIS introductions in the Mediterranean Sea. *Biological Invasions*, 17(10): 2943-2962.
6. **Ferrario, J.**, d'Hondt, J. L., Marchini, A., & Occhipinti-Ambrogi, A. (2015). From the Pacific Ocean to the Mediterranean Sea: *Watersipora arcuata*, a new non-indigenous bryozoan in Europe. *Marine Biology Research*, 11(9): 909-919.
7. Marchini, A., **Ferrario, J.**, & Minchin, D. (2015). Marinas may act as hubs for spread of the pseudo-indigenous bryozoan *Amathia verticillata* (Delle Chiaje, 1822) and its associates. *Scientia Marina*, 79(3): 355-365.
8. Corsini-Foka, M., Zenetos, A., Crocetta, F., Çinar, M.E., Koçak, F., Golani, D., Katsanevakis, S., Tsiamis, K., Cook, E., Froglija, C., Triandaphyllou, M., Lakkis, S., Kondylatos, G., Tricarico, E., Zuljevic, A., Almeida, M., Cardigos, F., Çağlar, S., Durucan, F., Fernandes, A.M.D., **Ferrario, J.**, ... Roy, H.E. (2015). Inventory of alien and cryptogenic species of the Dodecanese (Aegean Sea, Greece): collaboration through COST Action Training School. *Management of Biological Invasion*, 6(4): 351-366.
9. **Ferrario J.**, Ulman A., Marchini A., Saracino F. & Occhipinti-Ambrogi A. (2016) Non-indigenous fouling species in the marina of Rome. *Biologia Marina Mediterranea*, 23(1): 224-225.
10. Marchini A., Beffa M.L., **Ferrario J.**, Occhipinti-Ambrogi A. Ritrovamenti del raro isopode *Eisothistos macrurus* Wägele, 1979 in Sardegna e Liguria e considerazioni sulla sua distribuzione Mediterranea. *Biologia Marina Mediterranea*, 23(1): 228-229.
11. Marchini, A., **Ferrario, J.**, & Nasi, E. (2016). Arrival of the invasive amphipod *Grandidierella japonica* to the Mediterranean Sea. *Marine Biodiversity Records*, doi: 10.1186/s41200-016-0049-y
12. Marić, M., **Ferrario, J.**, Marchini, A., Occhipinti-Ambrogi, A., & Minchin D. (2016). Rapid assessment of marine non-indigenous species on mooring lines of leisure craft: new records in Croatia (eastern Adriatic Sea). *Marine Biodiversity*, doi: 10.1007/s12526-016-0541-y
13. **Ferrario, J.**, Marchini, A., Borrelli, P., Gigli Berzolari, F., & Occhipinti-Ambrogi, A. (2016). A fuzzy 'boater' model to detect fouling and spreading risk of non-indigenous species by recreational boats. *Journal of Environmental Management*, 182: 198-207.
14. Marchini, A., **Ferrario, J.**, & Occhipinti-Ambrogi, A. (2016). Confirming predictions: the invasive isopod *Ianiropsis serricaudis* Gurjanova, 1936 (Crustacea: Peracarida) is abundant in the Lagoon of Venice (Italy). *Acta Adriatica*, 57(2): 331-336.
15. Marchini, A., **Ferrario, J.**, & Occhipinti-Ambrogi, A. (2016). The relative importance of aquaculture and shipping as vectors of introduction of marine alien species: the case of Olbia (Sardinia). *Rapport del la Commission International de la Mer Méditerranée*. 41: 430.
16. **Ferrario, J.**, Ulman A., Marchini, A., Saracino, F., & Occhipinti-Ambrogi, A. (2016). Non-indigenous fouling species in the marina of Rome. *Biologia Marina Mediterranea*, 23(1): 224-225.
17. Marchini, A., Beffa M.L., **Ferrario, J.**, & Occhipinti-Ambrogi, A. (2016). Records of the rare isopod *Eisothistos macrurus* Wägele, 1979 in Sardinia and Liguria and considerations on its mediterranean distribution. *Biologia Marina Mediterranea*, 23(1): 228-229.
18. **Ferrario, J.**, & Minchin, D. (2017) Spread of the non-indigenous serpulid *Hydroides sanctaecrucis* Krøyer in Mörch, 1863 in the Pacific Ocean: a new record from Taiwan. *BiolInvasions Record*, 6(1): 33-38.
19. Marchini, A., Costa, A.C., **Ferrario, J.**, & Micael, J. (2017). The global invader *Paracerceis sculpta* (Isopoda: Sphaeromatidae) has extended its range to the Azores archipelago. *Marine Biodiversity*, doi:10.1007/s12526-017-0674-7
20. **Ferrario, J.**, Cardecchia, A., Marchini, A., & Occhipinti-Ambrogi, A. (2017). Invertebrati non indigeni in ambienti marini, di transizione e d'acqua dolce. *Biologia Ambientale*, 31(1): 1-9.

AWARDS

- Travel grant SIBM (Italian Society of Marine Biology) congress, Rome – Italy, 14-16 May 2013
- Best poster award in memory of Giuseppe Bernardi, SIBM congress, Venice – Italy, 19-23 May 2014
- Travel grant SitE (Italian Society of Ecology), 1°National Joint Congress SitE – UZI – SIB, Milan – Italy, 30 August – 2 September, 2016

AFFILIATIONS

- Since 2012: member of the Italian Society of Marine Biology (SIBM)
- Since 2013: member of the Italian Society of Ecology (SitE)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	B2	B2	B2
Spanish	C2	C1	B2	B2	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Computer skills

- Microsoft Office™ tools
- ECDL (European Computer Driving Licence)
- MapInfo and QGIS software
- PRIMER v6 and PERMANOVA+ software

SCUBA Diving skills

- Assistant Instructor PADI diving certification (N.o 318258) since February 3rd, 2015
- PADI Speciality diving certifications: Enriched Air Diver – Dry Suite Diver – Deep Diver – Underwater Naturalist – Aware Shark Diver
- Oxygen DAN Provider Course

May 16, 2017

Jasmine Ferrario