

CURRICULUM VITAE - July 2017

ALICE CARDECCIA

PERSONAL INFORMATION



Date and Place of birth: Domodossola (Italy), 28 June 1988

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Google Scholar: <https://scholar.google.it/citations?user=kSvMctgAAAAJ&hl=it&oi=ao>

CAREER SUMMARY

Research activities:

November 2016 – Present: Research Fellowship at the Department of Earth and Environmental Sciences, University of Pavia, Italy.

Research Topics: Ecology and Biology of Aquatic Alien Species
Invasion Biology
Ecological impacts of Aquatic Alien Species
Functional analysis of the invaded communities

Other activities:

December 2015 – July 2016: Translator English-Italian for Pearson Italia S.p.A. - book “Elements of Ecology”, 9th edition.

EDUCATION

PhD: 2012-2016. Applied Ecology and Geobotany, University of Pavia, Italy.

Thesis title: *“Non indigenous aquatic species: biological traits connected to invasiveness”*

Supervisors: Prof. Anna Occhipinti, Dr. Agnese Marchini (University of Pavia), Researcher Teodora Trichkova (Institute of Biodiversity and Ecosystem Research at the Bulgarian Academy of Sciences (IBER-BAS), Sofia)

Master Degree: 2010-2012. Experimental and Applied Biology, University of Pavia, Italy. 110/110 with honours.

Thesis title: *“Corbicula fluminea in Lake Maggiore (Northern Italy): time and space dynamics, during the 2 years after the first record in the lake”*

Supervisors: Prof. Anna Occhipinti, (University of Pavia), Dr. Nicoletta Riccardi (Insitute for Ecosystem Study, National Research Council, Verbania-Pallanza, Italy)

Bachelor Degree: 2007-2010. Biotechnology, University of Pavia, Italy. 102/110.

Thesis title: *“Analysis by Western Blotting of the proteins vinculin and α -tubulin in megakaryocytes derived from mice embryonic stem cells”*

Supervisors: Prof. Silvia Garagna, Dr. Valeria Merico (University of Pavia).

High School: 2002-2007. High School “G. Spezia”, Domodossola (VB), Italy. High School Diploma in Foreign Languages. 88/100.

LANGUAGES

Language	Reading	Writing	Speaking	Comprehension
Italian: first language				
English	Excellent	Good	Excellent	Excellent
German	Basic	Basic	Basic	Basic
French	Basic	Basic	Basic	Basic

GRANTS

November 2016 – Present: Research Fellowship at the Department of Earth and Environmental Sciences, University of Pavia, Italy. Topic of the research: “Composition and functioning of biotic communities in hotspot sites characterized by a high rate of biological invasion”.

July 2016 – August 2016: Collaboration with the Institute of Biodiversity and Ecosystem Research at the Bulgarian Academy of Sciences (IBER-BAS), Sofia. Within the project East and South European Network for Invasive Alien Species – a tool to support the management of alien species in Bulgaria (ESENIA-TOOLS), Financial Mechanism of the European

Economic Area 2009-2014, Programme BG03 Biodiversity and Ecosystem Services,
Contract D-33- 51/30.06.2015

April 2014 – August 2014: Mobility grant by “Fund for Cooperation and Knowledge” of the University of Pavia. Host institution: Institute of Biodiversity and Ecosystem Research at the Bulgarian Academy of Sciences (IBER-BAS), Sofia. Activities performed during my PhD. Supervisor: Researcher Teodora Trichkova.

CONFERENCES ORGANISATION

March 2017 – April 2017: Member of the organising committee of the “7th ESENIAS Workshop and Scientific Conference – Networking and Regional Cooperation Towards Invasive Alien Species Prevention and Management in Europe”. 28-30 March 2017, Sofia, Bulgaria.

RESEARCH TRAINING ABROAD

May 2015: Short visit at the Institute of Biodiversity and Ecosystem Research at the Bulgarian Academy of Sciences (IBER-BAS), Sofia. Activities performed during my PhD. Supervisor: Researcher Teodora Trichkova.

March 2013: Short visit at the Mountain Research Centre (CIMO) and the School of Agriculture of Polytechnic Institute of Bragança (Portugal). Main purposes:

- to visit laboratories of Aquaculture and Aquatic Ecology
- to participate in field surveys – freshwater mussel population sampling procedures

REVIEW ACTIVITIES

Reviewer for the 2 international scientific journals (Wiley and Environmental Sciences Group).

Reviewer profile on Publons: <https://publons.com/author/1268644/alice-cardeccia#profile>

PEER-REVIEWED PUBLICATIONS

2017

1. Marchini A, **Cardeccia A** (2017). “Alien amphipods in a sea of troubles: cryptogenic species, unresolved taxonomy and overlooked introductions.” *Marine Biology*, 164(69). [doi:10.1007/s00227-017-3093-1](https://doi.org/10.1007/s00227-017-3093-1)

2016

2. **Cardeccia A**, Marchini A, Occhipinti-Ambrogi A, Galil B, Gollasch S, Minchin D, Narščius A, Olenin S, Ojaveer H (2016, in press). “Assessing biological invasions in European seas: biological traits of the most widespread non-indigenous species.” *Estuarine, Coastal and Shelf Science*. [doi:10.1016/j.ecss.2016.02.014](https://doi.org/10.1016/j.ecss.2016.02.014)

2013

3. Kamburska L, Lauceri R, Beltrami M, Boggero A, **Cardeccia A**, Guarneri I, Manca M, Riccardi N (2013). “Establishment of *Corbicula fluminea* (O.F. Müller, 1774) in Lake Maggiore: a spatial approach to trace the invasion dynamics.” *BiolInvasion Records*, 2(2): 105-117.

OTHER PUBLICATIONS

2017

1. Ferrario J, **Cardeccia A**, Marchini A, Occhipinti-Ambrogi A (accepted). "Invertebrati non indigeni in ambienti marini, di transizione e d'acqua dolce." *Biologia ambientale*.

CONFERENCES, CONGRESSES AND WORKSHOPS: COMMUNICATIONS AND POSTERS

2017

1. **Cardeccia A**, Hubenov Z, Todorov M, Botev I, Kozuharov D, Kenderov L, Trichkova T. "*Dreissena polymorpha* in the Bulgarian inland water bodies, population structure and relation to environmental parameters." 7th ESENIAS Workshop and Scientific Conference – Networking and Regional Cooperation Towards Invasive Alien Species Prevention and Management in Europe Sofia, Bulgaria, 28-30 March. (Oral presentation held by A. Cardeccia)
2. Todorov M, **Cardeccia A**, Hubenov Z, Kenderov L, Kozuharov D, Kenderov M, Botev I, Trichkova T. "Range expansion of the alien mussels *Corbicula fluminea* and *Sinanodonta woodiana* (Mollusca: Corbiculidae and Unionidae) in Bulgaria." 7th ESENIAS Workshop and Scientific Conference – Networking and Regional Cooperation Towards Invasive Alien Species Prevention and Management in Europe Sofia, Bulgaria, 28-30 March. (Poster)
3. Ojaveer H, Marchini A, Kotta J, Lehtiniemi M, Galil B, **Cardeccia A**, Occhipinti A. "Evaluation of environmental impact of non-indigenous species to serve the EU Marine Strategy Framework Directive." ICES-WGITMO (Working Group on Introductions and Transfers of Marine Organisms) Meeting, Woods Hole, USA, 13-15 March. (Oral presentation held by A. Marchini)

2016

4. Tyufekchieva V, Vidinova Y, Kenderov L, Hubenov Z, Kozuharov D, Botev I, **Cardeccia A**, Uzunov Y, Stoichev S, Trichkova T. "The role of alien species in structuring the benthic macroinvertebrate communities in the Ogosta Reservoir, the Danube River basin, Bulgaria." 41st IAD Conference, SIBIU, Romania, 13-16 September. (Oral presentation held by T. Trichkova)
5. **Cardeccia A**, Marchini A, Occhipinti-Ambrogi A, Galil B, Gollasch S, Minchin D, Narščius A, Olenin S, Ojaveer H. "Biological Trait Profiles of the 68 Most Widespread Non-Indigenous Species in the European Seas". ICES-WGITMO (Working Group on Introductions and Transfers of Marine Organisms) Meeting, Olbia, Italy, 16-18 March. (Oral presentation, **Invited speaker**)
6. Marchini A, **Cardeccia A**, Occhipinti-Ambrogi A. "Different types of uncertainty affect the non-indigenous status of marine amphipods." 9th International Conference on Marine Bioinvasions, Sydney, Australia, 19-21 January. (Poster)

2015

7. **Cardeccia A**, Marchini A, Occhipinti-Ambrogi A, Galil B, Gollasch S, Minchin D, Narščius A, Olenin S, Ojaveer H. "Biological Trait Profiles of the 68 Most Widespread Non-Indigenous Species in the European Seas." XIII European Ecological Federation and XXV Società Italiana di Ecologia joint conference: "Ecology at the Interface: science-based solutions for human wellbeing", Rome, Italy, 21-25 September. (Oral presentation held by A. Cardeccia)

2014

8. **Cardeccia A**, Marchini A, Occhipinti-Ambrogi A, Galil BS, Gollash S, Minchin D, Narščius A, Ojaveer H, Olenin S. "Impacts of Widespread Marine NIS in Europe". VECTORS Final Project Meeting, La Grande Motte, France, 18-21 November. (Oral presentation held by A. Occhipinti-Ambrogi)

9. Marchini A, **Cardeccia A**, Occhipinti-Ambrogi A, Galil BS, Gollash S, Minchin D, Narščius A, Ojaveer H, Olenin S. "Biological traits of Widespread NIS in European Seas as implemented in the AquaNIS information system". VECTORS Final Project Meeting, La Grande Motte, France, 18-21 November. (Poster)
10. Trichkova T, Botev I, **Cardeccia A**, Kozuharov D, Kenderov L, Hubenov Z. "Occurrence of *Dreissena polymorpha* in Bulgarian inland waters in relation to calcium concentration". Neobiota. VIII International Conference on Biological Invasions, Antalya, Turkey, 3-8 November. (Poster)
11. Trichkova T, Paunović M, Skolka M, Kenderov L, Hubenov Z, Evtimova V, **Cardeccia A**, Popa L, Popa O, Tomović J, Zorić K, Botev I. "The Danube River as an invasive alien species corridor: The Lower Danube case study." 40th IAD (International Association for Danube Research) Conference, Sofia, Bulgaria, 17-20 June. (Oral presentation held by T. Trichkova)
12. **Cardeccia A**, Botev I, Kozuharov D, Kenderov L, Hubenov Z, Trichkova T. "*Dreissena polymorpha* in man-made lakes, the Danube River basin, Bulgaria: relation to environmental parameters." 3rd Balkan Scientific Conference on Biology, Plovdiv, Bulgaria, 30 May – 1 June. (Poster)

2013

13. Guarneri I, **Cardeccia A**, Lauceri R, Kamburska L, Visconti A, Manca M, Riccardi N. "*Corbicula fluminea* impact in Lake Maggiore (Italy): feeding plasticity and dietary overlap with native mussels". "World Congress of Malacology", Ponta Delgada, Azores, Portugal, 21-28 July. (Oral presentation held by I. Guarneri)
14. Guarneri I, **Cardeccia A**, Lauceri R, Kamburska L, Riccardi N. "*Corbicula fluminea* invasion in Lake Maggiore (Italy): a three-year field monitoring". "World Congress of Malacology", Ponta Delgada, Azores, Portugal, 21-28 July. (Poster)
15. **Cardeccia A**, Guarneri I, Kamburska L, Lauceri R, Riccardi N. "*Corbicula fluminea*: a new invasive species in Lake Maggiore (Northern Italy)." "IX meeting of PhD Students in Ecology and Environmental Sciences, Milan, Italy. April. (Oral presentation held by A. Cardeccia)
16. **Cardeccia A**. "*Corbicula fluminea*: analysis of the first years of invasion in Lake Maggiore (Northern Italy)." Project Cariplo75 at the University of Pavia, Italy. 25 February – 01 March. (Poster)

2012

17. Riccardi N, Lauceri R, Guerrieri N, Kamburska L, Guarneri I, **Cardeccia A**, Ferin P, Boggero A, Manca M. "*Corbicula fluminea* invasion in Lake Maggiore (Italy): population dynamics and comparison of dietary overlap with native mussels." International meeting on Biology and Conservation of Freshwater Bivalves, Bragança, Portugal, 4-7 September. (Oral presentation held by N. Riccardi)

COURSES

NOTE: events mentioned in other sections are not reported here (e.g. international congresses, etc.)

2017

1. ISOSCAPE summer school. Fondazione Edmund Mach, San Michele all'Adige (Italy), 01-04 August. Course held by: Prof. Gabriel Bowen (University of Utah), Prof. Jason West (Texas A&M University), Dr. Pietro Franceschi, Dr. Federica Camin, Dr. Luana Bontempo (Fondazione Edmund Mach).

2015

2. "Causal inference in ecology". Course held by Dr. Achaz von Hardenberg (Centro Studi Fauna Alpina, Parco Nazionale del Gran Paradiso) at the University of Pavia

2014

3. “Applied statistics”. Course held by Prof. Roberto Sacchi at the University of Pavia
4. “Global changes and impact on ecosystems”. Course held by Prof. Anna Occhipinti and Prof. Graziano Rossi at the University of Pavia

2013

5. “Europrojecting: European Union funding and applications” Course organized by the University Institute of European Studies at the Institute of Ecosystem Study of Verbania Pallanza, Italy.
6. Course CARIPLO 75: “Drivers of changes in the Ecosystems” at the University of Pavia.
7. “Fuzzy logic techniques for ecological studies”. Course held by Dr. Agnese Marchini, at the University of Pavia (2013)
8. Project SOTIS, Course “Prevention in workplaces”, at Institute of Ecosystem Study of Verbania-Pallanza.

2012

9. “Brief Geometrics Morphometrics”, Course organised at the Institute of Ecosystem Study of Verbania Pallanza (Italy)

COMPUTER SKILLS

Excellent knowledge of the computer packages Office, Acrobat, Gimp. Statistical analysis with PRIMER and ADE-4 (software developed by the University of Lione, France). Good internet skills (Internet Explorer, FireFox, GoogleChrome).

OTHER SKILLS AND INFORMATION

Clean Driving License: European category (B).

Pavia, 14 July 2017