



Cristina Coccia

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

I completed my undergraduate thesis under the supervision of Dr. Marcello Bazzanti at “La Sapienza” University of Rome working on the spatial distribution of macroinvertebrates in temporary ponds. The results of this work have been published on the ISI-indexed journal *Limnologica* and have been presented at 3rd EPCN congress as poster communication. I obtained a student grant from “La Sapienza”. This allowed collaborating with Dr. Régis Céréghino at the University Paul Sabatier (Toulouse - France) on the spatial traits of invertebrates and publishing as co-author on the ISI-indexed journal *Hydrobiologia*. I obtained a pre-doctoral grant from the CSIC. My PhD focused on biological invasion and on ecological restoration. During my PhD I collaborated with several international researchers. From my PhD derived a total of five scientific publications on ISI-indexed journals, four as first author (*PLoS One*; *Hydrobiologia*; *Journal of Insect Conservation*; *Aquatic Sciences*; *Freshwater Biology*). I attended an International congress as speaker and I collaborated to two communications presented at International and National biological invasions congresses. I have also collaborated in other three researches on invasion biology published on ISI-indexed journals (*PLoS Ones*; *Hydrobiologia*; *Aquaculture*). During my post-doc, I studied the combined effect of nutrient enrichment and grazer on plant heterogeneity and how these will affect salt marshes invertebrates assemblages along the Chilean coast. I generated a complex database of salt marsh arthropod, which includes the information about more than 192 taxa, in most cases identified at genus or species/morphospecies levels, filling some gaps in the knowledge of the Chilean salt marsh biodiversity, recording two new invasive species and one new specie for Chile. I unveiled the factors and process responsible of arthropod community assembly along a latitudinal gradient and I shed light on the effect of anthropogenic stressors (i.e. fertilization and livestock) on arthropod community assembly, mediated by changes in vegetation structural complexity and nutrient content. I published three scientific papers and I'm preparing two other papers. Currently, I'm the PI of a Fondecyt Iniciacion project (11180668) on wetland ecology at universidad Santo Tomás.



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

H index 9
iH index 9



Cristina Coccia

Surname(s): **Coccia**
 Name: **Cristina**
 ORCID: **0000-0002-0832-2050**
 Personal web page: **https://www.researchgate.net/profile/Cristina_Coccia**

Current professional situation

Employing entity: Universidad Santo Tomás

Professional category: Associate Professor

Start date: 01/08/2019

Type of contract: Permanent employment contract

Dedication regime: Full time

Primary (UNESCO code): 241300 - Insect Biology (Entomology)

Performed tasks: Research, pre and post-graduate teaching, academic committee members of a PhD program in Biodiversity Management and Conservation

Identify key words: Biodiversity status and trends; Coastal ecosystems; Anthropogenic impact on ecosystems; Aquatic ecology

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad Bernardo O'Higgins	Associate Professor	15/06/2019
2	Pontificia Universidad Catolica de Chile	Researcher	01/11/2018
3	Pontificia Universidad Catolica de Chile	Post Doctoral Fellow	01/11/2015
4	Estación Biológica de Doñana	Pre-Doctoral Fellow	01/10/2009

1 **Employing entity:** Universidad Bernardo O'Higgins **Type of entity:** University

Professional category: Associate Professor

Start-End date: 15/06/2019 - 31/07/2019

Duration: 1 month - 15 days

2 **Employing entity:** Pontificia Universidad Catolica de Chile **Type of entity:** University

Professional category: Researcher

Start-End date: 01/11/2018 - 14/06/2019

Duration: 6 months - 15 days

3 **Employing entity:** Pontificia Universidad Catolica de Chile

Professional category: Post Doctoral Fellow

Start-End date: 01/11/2015 - 31/10/2018

Duration: 3 years



- 4** **Employing entity:** Estación Biológica de Doñana **Type of entity:** State agency
Department: Wetland Ecology, Doñana Biological Station
City employing entity: Seville, Andalusia, Spain
Professional category: Pre-Doctoral Fellow **Educational Management (Yes/No):** No
Start-End date: 01/10/2009 - 30/09/2013 **Duration:** 4 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time
Primary (UNESCO code): 240803 - Insect; 241301 - General entomology; 241303 - Insect ecology; 241305 - Insect physiology; 241306 - Insect taxonomy
Secondary (UNESCO code): 250814 - Surface waters
Performed tasks: During my PhD I was interested on biological invasion and to understand which qualities makes an invader a succesfull invader. Study of this type need to be approached from different perspective. For this reason I considered four main determinants of successful invasions: plasticity, resource competition, parasites and facilitative interactions among invaders throughout an invasive-native comparative approach. I deepen my knowledge on comparative physiology and the application of stable isotopes to biological invasion. Over the last years I gained huge expertise on statistical analyses, including multivariate and bayesian statistics, metacommunity analyses and other advanced statistics (i.e., GLMM) which have been implemented using the free software R.
Identify key words: Nacional park; Protected area; Conservation of resources; Environmental monitoring; Anthropogenic impact on ecosystems; Fresh water ecosystems; Climate change; Aquatic ecology



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

University degree: Higher degree

Name of qualification: Licenciado en Ciencias Naturales Rama Conservacion de la Naturaleza y de los Recursos

City degree awarding entity: Rome, Lazio, Italy

Degree awarding entity: La Sapienza University of Rome **Type of entity:** University Research Institute

Date of qualification: 12/12/2005

Average mark: Excellent

Standardised degree: Yes

Date of homologation: 10/07/2014

Doctorates

Doctorate programme: Recursos Naturales y Medio Ambiente

Degree awarding entity: Universidad de Sevilla **Type of entity:** University

City degree awarding entity: Sevilla, Andalusia, Spain

Date of degree: 02/10/2015

DEA awarding entity: Universidad de Sevilla

Date DEA was awarded: 2010

European doctorate: No

Thesis title: Invasion biology of Trichocorixa verticalis in Doñana, SW Spain

Thesis director: Andy Green

Thesis co-director: Luz Boyero

Obtained qualification: Sobrasaliente Cum Laude

Recognition of quality: Yes

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	B1	B1	B1	B1	B1
English	B2	B2	B2	B2	B2
Spanish	C1	C1	C1	C1	C1
Italian	C2	C2	C2	C2	C2



Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Variación espacial en la diversidad y organización trófica de macroinvertebrados de humedales costeros de Chile
Type of project: Minor thesis
Entity: Pontificia Universidad Católica de Chile **Type of entity:** University
Student: Stefany Navarrete
Date of reading: 28/11/2017
- 2** **Project title:** Variación temporal y espacial en la composición y rango trófico de isópodos en humedales costeros de Chile
Type of project: Minor thesis
Entity: Pontificia Universidad Católica de Chile
Student: Aylin Rivas
Date of reading: 28/11/2017
- 3** **Project title:** Diversidad y actividad de murciélagos en humedales costeros del centro de Chile y su relación con la biomasa de insectos voladores nocturnos
Type of project: Minor thesis
Co-director of thesis: Cristina Coccia; Annia Rodríguez San Pedro
Entity: Universidad Santo Tomás
City of entity: Santiago del Chile, Chile
Student: Isidora Vega Álvarez
- 4** **Project title:** Impacto de las perturbaciones antropogénicas y naturales sobre humedales costeros de la zona centro-norte de Chile
Type of project: Minor thesis
Co-director of thesis: Pablo Fierro Retamal; Cristina Coccia
Entity: Universidad Austral de Chile
City of entity: Valdivia, Chile
Student: Carlos Vega Vega
Identify key words: Anthropogenic impact on ecosystems; Aquatic ecology
- 5** **Project title:** Carnívoros exóticos invasores y la conservación de las nutrias (*Lontra provocax*, *Lontra felina*) en Chile.
Type of project: Doctoral thesis
Co-director of thesis: Cristina Coccia; Gonzalo Medina Vogel
Entity: Universidad Santo Tomás
City of entity: Santiago de Chile, Chile
Student: Alexis Santibáñez Barría
Identify key words: Monoclonal antibodies; Invasión; Viral pathogens of animals; Protected species
- 6** **Project title:** Estudio de la diversidad funcional en los humedales restaurados de Caracoles y su eficacia para
Type of project: Master Thesis
Co-director of thesis: Cristina Coccia; José Antonio Carbonell
Entity: Universidad Pablo de Olavide **Type of entity:** University



City of entity: Sevilla, Andalusia, Spain
Student: Ana Belén Gutiérrez Román

Student tutorials

- 1 Name of the programme:** Professional practices
Entity: Estación Biológica de Doñana
City of entity: Seville, Andalusia, Spain
Frequency of the activity: 1
Number of tutored students: 1
Type of entity: State agency
- 2 Name of the programme:** professional practice
Entity: Universidad Austral de Chile
City of entity: Valdivia, Chile
Frequency of the activity: 1
Number of tutored students: 1
Type of entity: University

Other activities/achievements not included above

Description of the activity: I taught Community Ecology, Invasion Ecology and Restoration Ecology within the Doctoral course Fundamental of Ecology for Conservation
City of activity: Santiago de Chile, Chile
Organising entity: Universidad Santo Tomás
Type of entity: University
End date: 21/05/2020

Healthcare experience

Other activities/achievements not included above

- 1 Other relevant activities:** Nota Prensa
Entity where project took place: Chile
End date: 25/01/2020
- 2 Other relevant activities:** Open laboratory on Chilean native birds
Entity where project took place: CAPES
Type of entity: R&D Centre
End date: 10/2018
- 3 Other relevant activities:** Participation in the citizen science project: Ants of Chile
Entity where project took place: Red Observadores de aves y vida silvestres de Chile
End date: 2018
- 4 Other relevant activities:** Peer Review
Entity where project took place: Functional Ecology
End date: 2017



- 5 Other relevant activities:** Online Course (with Statement of Accomplishment). Computing for Data Analysing.
Training manager: R. Peng
Entity where project took place: John Hopkins University
Type of entity: University
End date: 10/2013
- 6 Other relevant activities:** Course: QGIS (introduction)
Entity where project took place: Doñana Biological station
Type of entity: State agency
City of entity: Sevilla, Andalusia, Spain
End date: 06/2013
- 7 Other relevant activities:** Course: ArcGIS 9.3 (advanced)
Entity where project took place: Doñana Biological Station
Type of entity: State agency
City of entity: Seville, Andalusia, Spain
End date: 03/2013
- 8 Other relevant activities:** Course: Ecological data in R. Training manager: J Seoane
Entity where project took place: Doñana Biological Station
Type of entity: State agency
City of entity: Seville, Andalusia, Spain
End date: 07/2011
- 9 Other relevant activities:** Course: ArcGIS 9.3 (introduction). Training manager: JP Pe?rez Alca?ntara
Entity where project took place: Doñana Biological Station
Type of entity: State agency
City of entity: Seville, Andalusia, Spain
End date: 02/2010
- 10 Other relevant activities:** Peer Review
Entity where project took place: Freshwater Biology
Start date: 2017
- 11 Other relevant activities:** Peer Review
Entity where project took place: Hydrobiologia
- 12 Other relevant activities:** Peer Review
Entity where project took place: Science of the Total Environment



Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** Size spectra of coastland wetland invertebrate communities in Chile: the role of disturbance.
Type of project: Basic research (including archaeological digs, etc)
Degree of contribution: Researcher
Entity where project took place: Pontificia Universidad Católica de Chile
Type of entity: University
City of entity: Santiago, Chile
Name principal investigator (PI, Co-PI...): Cristina Coccia
Nº of researchers: 1
Type of participation: Principal investigator
Name of the programme: Fondecyt
Code according to the funding entity: 11180668
Start-End date: 01/11/2018 - 31/10/2021
Duration: 3 years
Total amount: 97.131 €
- 2** **Name of the project:** Latitudinal variation on species diversity and trophic organization of Chilean salt marsh macroinvertebrates: understanding the role of habitat characteristics and complexity”
Type of project: Basic research (including archaeological digs, etc)
Degree of contribution: Researcher
Entity where project took place: Pontificia Universidad Católica de Chile
Type of entity: University
City of entity: Santiago, Chile
Name principal investigator (PI, Co-PI...): Cristina Coccia
Nº of researchers: 1
Nª people/year: 1
Type of participation: Principal investigator
Name of the programme: FONDECYT
Code according to the funding entity: 3160330
Start-End date: 01/11/2015 - 31/10/2018
Duration: 3 years
Total amount: 100.826 €
Dedication regime: Full time
- 3** **Name of the project:** Geographical variation on the ecological idiosyncrasy of Chilean coastal salt marshes: an experimental perspective
Degree of contribution: Collaborator
Entity where project took place: Pontificia Universidad Católica de Chile
Type of entity: University
Name principal investigator (PI, Co-PI...): José Miguel Fariña
Funding entity or bodies: Conicyt
Name of the programme: Fondecyt



Code according to the funding entity: 114117

Start-End date: 2014 - 2018

4 Name of the project: Structure and of macroinvertebrate meta-communities in temporal wetlands and the role of the invasive species *Trichocorixa verticalis* (Hemiptera; Corixidae).

Identify key words: Protected area; Conservation of resources; Environmental monitoring; Ecology

Type of project: Research and development, including transfer **Geographical area:** National

Degree of contribution: Researcher

Entity where project took place: Estación Biológica de Doñana **Type of entity:** State agency

City of entity: Seville, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Andy Green

Funding entity or bodies:

Junta de Andalucía

Type of entity: Consejería de Medio Ambiente

City funding entity: Sevilla, Andalusia, Spain

Type of participation: Team member

Start-End date: 2011 - 2014

Total amount: 92.372,3 €

Applicant's contribution: My PhD thesis was realized under this project and represented the biggest contribution to it.

R&D non-competitive contracts, agreements or projects with public or private entities

Name of the project: Caracterización ecológica del humedal de Carampangue en relación con las veraciones de su régimen hídrico

Degree of contribution: Collaborator

Name principal investigator (PI, Co-PI....): José Miguel Fariña; Carlos Ramirez

Funding entity or bodies:

Empresas Arauco

Type of entity: Business

Start date: 2016

Duration: 2 years



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Cristina Coccia; Bram Vanshoenwinkel; Luc Brendonck; Luz Boyero; Andy Green. Newly created ponds complement natural waterbodies for restoration of macroinvertebrates assemblages conservation. *Freshwater Biology*. 61 - 10, pp. 1640 - 1654. John Wiley & Sons Ltd, 01/08/2016. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1111/fwb.12804/full>>. ISSN 1365-2427

DOI: 10.1111/fwb.12804

Type of production: Scientific paper **Format:** Journal

Corresponding author: Yes

Impact source: ISI **Category:** Science Edition - MARINE & FRESHWATER BIOLOGY

Impact index in year of publication: 2.933 **Journal in the top 25%:** Yes

Position of publication: 11 **No. of journals in the cat.:** 104

Relevant publication: Yes
- 2** Cristina Coccia; Brian Fry; Francisco ramirez; Luz Boyero; Stuart Bunn; Carmen Diz-Salgado; Mark Walton; Lewis Le Vay; Andy Green. Niche partitioning between invasive and native corixids (Hemiptera; Corixidae) in south-west Spain. *Aquatic Sciences*. 78, pp. 779 - 791. Springer, 01/02/2016. Available on-line at: <<http://link.springer.com/article/10.1007/s00027-016-0469-0>>. ISSN 1015-1621

DOI: 10.1007/s00027-016-0469-0

Type of production: Scientific paper **Format:** Journal

Corresponding author: Yes

Impact source: ISI **Category:** Science Edition - MARINE & FRESHWATER BIOLOGY

Impact index in year of publication: 2,398 **Journal in the top 25%:** Yes

Position of publication: 20 **No. of journals in the cat.:** 104

Impact source: ISI **Category:** Limnology

Impact index in year of publication: 2,398 **Journal in the top 25%:** Yes

Position of publication: 3 **No. of journals in the cat.:** 20

Relevant publication: Yes
- 3** Cristina Coccia; Piero Calosi; Luz Boyero; Andy Green; David Bilton. Does ecophysiology determine invasion success? a comparison between the invasive boatman *Trichocorixa verticalis verticalis* and the native *Sigara lateralis* (Hemiptera, Corixidae) in South-West Spain. *PLoS One*. 8 - 5, pp. 1 - 10. 17/05/2013. Available on-line at: <<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0063105>>. ISSN 1932-6203

DOI: 10.1371/journal.pone.0063105

Type of production: Scientific paper **Format:** Journal

Corresponding author: No

Impact source: ISI **Category:** Science Edition - MULTIDISCIPLINARY SCIENCES

Impact index in year of publication: 3,534 **Journal in the top 25%:** Yes

Position of publication: 8 **No. of journals in the cat.:** 55

Relevant publication: Yes

- 4** Jose Antonio Carbonell; Vanessa Cespedes; Cristina Coccia; Andy Green. An experimental test of interspecific competition between the alien boatman *Trichocorixa verticalis* and the native corixid *Sigara lateralis* (Hemiptera, Corixidae). *Aquatic Invasions*. 15, REABIC, 03/03/2020.
Type of production: Scientific paper
Corresponding author: No
- 5** Juan Francisco Campodonico; Cristina Coccia. New genus and species of Delphacini (Hemiptera: Delphacidae) from a salt marsh in northern Chile. *Zootaxa*. Magnolia Press, 2019. Available on-line at: <10.11646/zootaxa.0000.0.0>. ISSN 1175-5326
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
Impact source: ISI
- 6** Cristina Coccia; José Miguel Fariña. Partitioning the effects of regional, spatial and local variables on beta diversity of salt marsh arthropods in Chile. *Ecology and Evolution*. Wiley-Blackwell, 2019. Available on-line at: <DOI: 10.1002/ece3.4922>. ISSN 2045-7758
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 7** Jorge Pérez Schultheiss; Karina Ayala; José Miguel Fariña; Cristina Coccia. Exotic terrestrial isopods (Crustacea: Isopoda: Oniscidea) in coastal wetlands: first record of the families Halophilosciidae and Platyarthridae in Continental Chile. *New Zealand journal of Zoology*. Taylor & Francis, 29/10/2018. Available on-line at: <DOI: 10.1080/03014223.2018.1539017>.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: ISI
- 8** Vanessa Cespedes; Cristina Coccia; carbonell José Antonio; Marta Sanchez; Andy Green. The life cycle of the alien boatman *Trichocorixa verticalis verticalis* (Hemiptera, Corixidae) in saline and hypersaline wetlands of south-west Spain. *Hydrobiologia*. 827 - 1, pp. 309 - 324. Springer, 09/10/2018.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
- 9** Carbonell Jose Antonio; Josefa Velasco; Andrés Millán; Andy Green; Cristina Coccia; Simone Guareschi; Cayetano Gutiérrez Canovas. Biological invasion modifies the co-occurrence patterns of insects along a stress gradient. *Functional Ecology*. 31, pp. 1957 - 1968. British Ecological Society, 18/04/2017. ISSN 1365-2435
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Ecology, Evolution, Behaviour and Systematics
Impact index in year of publication: 5.2 **Journal in the top 25%:** Yes
Position of publication: 22 **No. of journals in the cat.:** 562
- 10** Jose Antonio Carbonell; Andrés Millán; Andy Green; Vanessa Céspedes; Cristina Coccia; Josefa Velasco. What traits underpin the establishment and spread success of the invasive water bug *Trichocorixa verticalis* (Fieber, 1851)?. *Hydrobiologia*. 768 - 1, pp. 273 - 286. Springer, 04/11/2015. Available on-line at: <http://link.springer.com/article/10.1007/s10750-015-2556-y>. ISSN 0018-8158
DOI: 0018-8158
Type of production: Scientific paper **Format:** Journal

Corresponding author: No**Impact source:** ISI**Impact index in year of publication:** 2,051**Position of publication:** 33**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 104

- 11** Mark Walton; Carles Vilas; Cristina Coccia; Andy Green; José Pedro Cañavate; A Prieto; SA van Bergeijk; JM Medialdea; H Kennedy; J King; Lewis Le Vay. Extensive aquaculture in the reconstructed wetlands of the Doñana Natural Park and the impact of non-native species and water management. *Aquaculture*. 448 - 1, pp. 451 - 463. Elsevier, 14/06/2015. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S004484861530051X>>. ISSN 0044-8486

DOI: 10.1016/j.aquaculture.2015.06.011**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** Yes**Impact source:** ISI**Category:** Science Edition - FISHERIES**Impact index in year of publication:** 1,893**Journal in the top 25%:** Yes**Position of publication:** 14**No. of journals in the cat.:** 52**Impact source:** ISI**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY**Impact index in year of publication:** 1,893**Journal in the top 25%:** No**Position of publication:** 38**No. of journals in the cat.:** 104

- 12** marta Isabel Sanchez; Cristina Coccia; Antonio Valdecasas; Luz Boyero; Andy Green. Parasitism by water mites in native and exotic Corixidae in south-west Spain. Are mites limiting the invasion of the water boatman *Trichocorixa verticalis verticalis*?. *Journal of Insect Conservation*. 19, pp. 433 - 447. Springer, 05/03/2015. Available on-line at: <<http://link.springer.com/article/10.1007/s10841-015-9764-7>>. ISSN 1366-638X

DOI: 10.1007/s10841-015-9764-7**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - ENTOMOLOGY**Impact index in year of publication:** 1,431**Journal in the top 25%:** No**Position of publication:** 33**No. of journals in the cat.:** 94

- 13** Cristina Coccia; Luz Boyero; Andy Green. Can differential predation of native and alien corixids by fish and dragonflies explain the success of *Trichocorixa verticalis verticalis* in the Iberian Peninsula?. *Hydrobiologia*. 734, pp. 115 - 123. Springer, 10/04/2014. Available on-line at: <<http://link.springer.com/article/10.1007/s10750-014-1873-x>>. ISSN 0018-8158

DOI: 10.1007/s10750-014-1873-x**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** Yes**Impact source:** ISI**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY**Impact index in year of publication:** 2,275**Journal in the top 25%:** Yes**Position of publication:** 25**No. of journals in the cat.:** 103

- 14** Simone Guareschi; Cristina Coccia; David Sánchez-Fernández; José Antonio Carbonell; Josefa Velasco; Luz Boyero; Andy Green; Andrés Millán. How far could the alien boatman *Trichocorixa verticalis verticalis* spread? Global estimation of its current and future potential distribution. *PLoS One*. 8 - 3, pp. 1 - 8. 21/03/2013. Available on-line at: <<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0059757>>. ISSN 1932-6203

DOI: 10.1371/journal.pone.0059757

**Type of production:** Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 3,534**Position of publication:** 8**Format:** Journal**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 55

- 15** Régis Céréghino; Beat Oertli; Marcello Bazzanti; Cristina Coccia; Arthur Compin; Jeremy Biggs; Nicolas Bressi; Patrick Grillas; Andrew Hull; Thomas Kalettka; Oliver Scher. Biological traits of European pond macroinvertebrates. *Hydrobiologia*. 689, pp. 51 - 61. Springer, 18/05/2011. Available on-line at: <<http://link.springer.com/article/10.1007/s10750-011-0744-y>>. ISSN 0018-8158

DOI: 10.1007/s10750-011-0744-y**Type of production:** Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 1,681**Position of publication:** 35**Format:** Journal**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 100

- 16** Marcello Bazzanti; Cristina Coccia; Giuseppina Dowgiallo. Microdistribution of macroinvertebrates in a temporary pond of Central Italy: taxonomic and functional analyses. *Limnologica*. 40 - 4, pp. 291 - 299. Elsevier, 12/2010. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0075951109000851>>. ISSN 0075-9511

DOI: 10.1016/j.limno.2009.10.006**Type of production:** Scientific paper**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 1,651**Position of publication:** 5**Format:** Journal**Category:** Science Edition - LIMNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 18

- 17** José Antonio Carbonell; Simone Guareschi; Cristina Coccia; David Sánchez-Fernández; Josefa Velasco; Luz Boyero; Andy Green; Andrés Millán. Distribución de *Trichocorixa verticalis verticalis* (Fieber 1851) (Heteroptera: Corixidae) a nivel mundial y su expansión en la Península Ibérica. *EEI 2012 Notas Científicas. Serie técnica - 5*, pp. 148 - 152. GEIB, 14/01/2013.

Format: Scientific and technical document or report

Works submitted to national or international conferences

- 1** **Title of the work:** Invasion biology of the American Boatman *Trichocorixa verticalis verticalis* in Western Europe: The role of ecophysiology and biological interactions

Name of the conference: International Congress of Entomology**Type of event:** Conference**Type of participation:** Participatory - oral communication**City of event:** Helsinki, Finland**Date of event:** 19/07/2020**End date:** 24/07/2020

José Antonio Carbonell; Vanessa Céspedes; Cristina Coccia; Marta Sánchez; Josefa Velasco; Andrés Millán; Andy Green.



- 2** **Title of the work:** Drivers of beta diversity of salt marsh arthropods in Chile
Name of the conference: Society of Wetland Scientists Symposium on Twitter
Type of event: Seminar
Type of participation: Participatory - others
Corresponding author: Yes
Date of event: 18/10/2018
Organising entity: Society of Wetland Scientists
Cristina Coccia; José Miguel Fariña.
- 3** **Title of the work:** Salt marsh arthropod assemblages along the Chilean coast: the role of habitat characteristics and complexity
Type of event: Divulgacion
Type of participation: Participatory - oral communication
Date of event: 10/2018
- 4** **Title of the work:** Ensamblajes de plantas en Humedales Costeros de Chile: evidencias de interacción entre perturbaciones naturales y antrópicas
Type of event: Seminar
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Valparaiso, Chile
Date of event: 07/08/2018
Organising entity: FONDECYT N°1151367
José Miguel Fariña; Cristina Coccia. **Type of entity:** Proyecto Fondecyt 1151367
- 5** **Title of the work:** Salt marsh arthropod assemblages along the Chilean coast: the role of habitat characteristics and complexity
Name of the conference: ESA annual meeting
Type of event: Conference
Type of participation: Participatory - poster
Corresponding author: Yes
City of event: Portland, United States of America
Date of event: 06/08/2017
End date: 11/08/2017
Organising entity: Ecological Society of America
Cristina Coccia; José Miguel Fariña. **Type of entity:** Associations and Groups
- 6** **Title of the work:** Restauración en la finca caracoles (Doñana): consecuencias para las aves acuáticas y los invertebrados acuáticos. Conservación y restauración de humedales
Name of the conference: Congreso Nacional de Conservación y Restauración de Humedales
Corresponding author: No
City of event: Jerez, Spain
Date of event: 12/11/2015
End date: 14/11/2015
Green Andy; Cristina Coccia; Esther Sebastian Gonzalez; Anna Badosa; Dagmar Frisch.
- 7** **Title of the work:** Using stable isotopes to determine diet and isotopic niche width differences between invasive and native corixids (Hemiptera, Corixidae) in South West Spain
Name of the conference: Aquatic Sciences: Global And Regional Perspectives — North Meets South
Type of event: Conference
Type of participation: Participatory - oral communication



Corresponding author: Yes

City of event: Granada, Andalusia, Spain

Date of event: 22/02/2015

End date: 27/02/2015

Organising entity: ASLO-Association for the Sciences of Limnology and Oceanography
Cristina Coccia; Brian Fry; Luz Boyero; Andy Green.

8 Title of the work: Influence of water mites on a hemipteran community in Spanish wetlands: enemies that limit the invasion of *Trichocorixa verticalis*?

Name of the conference: Aquatic Sciences: Global and Regional Perspectives - North meets South

Corresponding author: No

City of event: Granada, Spain

Date of event: 22/02/2015

End date: 27/02/2015

Organising entity: ASLO-Association for the Sciences of Limnology and Oceanography
Vanessa Cespedes; Cristina Coccia; Antonio Valdecasas; Marta Sanchez; Andy Green.

9 Title of the work: The invasion of an American boatman *Trichocorixa verticalis verticalis* in Europe; consequences for native species, and the role of the salinity gradient

Name of the conference: 8th International Conference on Biological Invasion

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Antalya, Turkey

Date of event: 04/11/2014

End date: 07/11/2014

Organising entity: NEOBIOTA

Andy Green; Cristina Coccia; José Antonio Carbonell; Vanessa Céspedes; Marta Isabel Sanchez; Josefa Velasco; Andrés Millán.

10 Title of the work: Predicting the worldwide potential distribution of the boatman *Trichocorixa verticalis verticalis* (Fieber, 1851) (Order: Heteroptera; Fam: Corixidae)

Name of the conference: 7th European Conference on Biological Invasions

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Pontevedra, Galicia, Spain

Date of event: 09/2012

Organising entity: NEOBIOTA

Simone Guareschi; Cristina Coccia; David Sánchez-Fernández; José Antonio Carbonell; Josefa Velasco; Luz Boyero; Andy Green; Andrés Millán.

11 Title of the work: Microdistribution of macroinvertebrates in a temporary pond in Central Italy

Name of the conference: 3rd European Pond Conservation Network Workshop

Type of event: Workshop

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Valencia, Valencian Community, Spain

Date of event: 14/05/2008

End date: 15/05/2008

Organising entity: European Pond Conservation Network



Marcello Bazzanti; Cristina Coccia; Giuseppina Dowgiallo.

12 Title of the work: Macroinvertebrate ecology and conservation in temporary and permanent ponds in central Italy

Name of the conference: 5-Symposium for European Freshwater Sciences

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Palermo, Sicilia, Italy

Date of event: 08/07/2007

End date: 13/07/2007

Organising entity: European Federation for Freshwater Sciences

Type of entity: Forum

Marcello Bazzanti; Francesco Grezzi; Valentina Della Bella; Cristina Coccia.

13 Title of the work: Aspetti ecologici e conservazione dei macroinvertebrati in stagni temporanei e perenni dell'Italia centrale

Name of the conference: International Symposium for Mediterranean Temporary Ponds

Type of event: Conference

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Banjoles, Catalonia, Spain

Date of event: 19/03/2007

End date: 21/03/2007

Marcello Bazzanti; Valentina Della Bella; Francesco Grezzi; Cristina Coccia.

Other dissemination activities

Title of the work: Día de los humedales

Type of event: opinion columns

City of event: Chile

Date of event: 25/01/2020

Cristina Coccia. (Chile): Available on-line at: <<http://portal.nexnews.cl/showN?valor=dfyssc>>.

Other achievements

Stays in public or private R&D centres

1 Entity: Griffith University

Type of entity: University

Faculty, institute or centre: Australian River Institute-Nathan campus

City of entity: Brisbane, Australia

Start-End date: 09/2012 - 12/2012

Duration: 75 days

Funding entity: Consejo Superior de Investigaciones Científicas

Type of entity: State agency

Goals of the stay: Doctorate

Provable tasks: Stable isotopes analysis and interpretation in collaboration with Dr. Brian Fry



- 2** **Entity:** K.U. University **Type of entity:** University
Faculty, institute or centre: Faculty of Science
City of entity: Leuven, Belgium
Start-End date: 08/2011 - 11/2012 **Duration:** 3 months
Funding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Goals of the stay: Doctorate
Provable tasks: Metacommunity analysis in collaboration with Dr. Bram Vanshoenwinkel and Dr. Luc Brendonck
- 3** **Entity:** University of Plymouth **Type of entity:** University Research Institute
Faculty, institute or centre: Faculty of Science & Technology, Marine Biology and Ecology Research Centre
City of entity: Plymouth, Devon, United Kingdom
Start-End date: 06/2010 - 09/2010 **Duration:** 3 months
Funding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Goals of the stay: Doctorate
Provable tasks: Design and realization of thermal tolerance experiments in collaboration with Dr. Piero Calosi and Dr. David Bilton
- 4** **Entity:** University of Applied Sciences Western Switzerland
Faculty, institute or centre: HESGE
City of entity: Genève, Switzerland
Start-End date: 04/2008 - 07/2008 **Duration:** 3 months
Funding entity: HESGE **Type of entity:** University
City funding entity: Genève, Switzerland
Goals of the stay: stage
Provable tasks: Data collection and manuscript writing in collaboration with Beat Oertli
- 5** **Entity:** University Paul Sabatier **Type of entity:** University Research Institute
Faculty, institute or centre: EcoLab-Campus UPS
City of entity: Toulouse, Midi-Pyrénées, France
Start-End date: 04/2007 - 12/2007 **Duration:** 8 months
Funding entity: University "La Sapienza"
City funding entity: Rome, Lazio, Italy
Goals of the stay: stage
Provable tasks: Organizing and analyzing macroinvertebrates database in collaboration with Dr. Régis Céréghino
- 6** **Entity:** ISPRA
City of entity: Rome, Lazio, Italy
Start-End date: 05/2006 - 07/2006 **Duration:** 3 months
Goals of the stay: stage
Provable tasks: Knowledge on exposure risk in lentic water



Obtained grants and scholarships

- 1** **Name of the grant:** Conicyt-Fondecyt Postdoc
City awarding entity: Santiago del Chile, Chile
Aims: Post-doctoral
Awarding entity: Conicyt **Type of entity:** State agency
Conferral date: 01/11/2015 **Duration:** 3 years
End date: 31/10/2018
Entity where activity was carried out: Pontificia Universidad Catolica de Chile
- 2** **Name of the grant:** CSIC-JAE-predoc
City awarding entity: Sevilla, Spain
Aims: Pre-doctoral
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Conferral date: 01/11/2009 **Duration:** 4 years
End date: 31/10/2013
Entity where activity was carried out: Estación Biológica de Doñana
- 3** **Name of the grant:** Ayuda para movilidad predoctoral (estancia breves)
City awarding entity: Brisbane, Australia
Aims: Pre-doctoral
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Conferral date: 26/09/2012 **Duration:** 2 months - 15 days
End date: 10/12/2012
Entity where activity was carried out: Griffith University
- 4** **Name of the grant:** Ayuda para movilidad predoctorales (estancia breves)
City awarding entity: Leuven, Belgium
Aims: Pre-doctoral
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Conferral date: 02/08/2011 **Duration:** 3 months
End date: 02/11/2011
Entity where activity was carried out: UK Leuven
- 5** **Name of the grant:** Ayuda para movilidad predoctoral (estancias breves)
City awarding entity: Plymouth, United Kingdom
Aims: Pre-doctoral
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Conferral date: 01/06/2010 **Duration:** 3 months
End date: 31/08/2010
Entity where activity was carried out: University of Plymouth
- 6** **Name of the grant:** International post-degree scholarship
City awarding entity: Rome, Italy
Aims: Research Internship



Awarding entity: La Sapienza

Conferral date: 01/04/2007

End date: 31/12/2007

Entity where activity was carried out: University Paul Sabatier

Faculty, institute or centre: EcoLab

Type of entity: University

Duration: 8 months

Other types of collaboration with researchers or technologists

Type of relationship: Joint project networks

Description of the collaboration: I am the person in charge of the proposal for the Universidad Santo Tomas within the H2020-MSCA-RISE-2020 call