

PERSONAL INFORMATION

Name/Surname: ADRIANA/BELLATI
Academic degree: Ph.D
Institution: Department of Earth and Environmental Sciences,
University of Pavia
Work Address: Via Ferrata 9 – 27100 Pavia (Italy)
Phone/Mobile: +39 0382 986839 (office) - 6826 (lab)/ +39 339 3869506
Fax: +39 0382 986447
E-mail: adriana.bellati@unipv.it
PEC: adriana.bellati@pec.it
Nationality: Italian
Birth place, date: Abbiategrosso (Milano), 23/07/1982
<http://sciter.unipv.eu/site/home/persona/scheda720003720.html>
Websites: https://www.researchgate.net/profile/Adriana_Bellati
<https://scholar.google.it/citations?user=H0CfDn0AAAAJ&hl=it>



ORCID ID: 0000-0002-7259-7569

CURRENT PROFESSIONAL POSITION

Post-Doc at the University of Pavia, granted by the Department of Earth and Environmental Sciences, University of Pavia.

Guest Lecturer (Professore a contratto) of the course “Specie aliene e Biodiversità animale” for the Master of Science in “Natural Sciences” at the Department of Earth and Environmental Sciences, University of Pavia.

AWARDS

National Scientific Qualification (Italian) for the position of **Associate Professor in Zoology and Anthropology** (SC 05/B1 SSD BIO/05), granted by the Italian Ministry of the Education, Universities and Research (27/07/2018 – 27/07/2027).

EDUCATION AND TRAINING

Ph.D at the University of Pavia (March 2012). Dissertation title: "Intra- and inter-population analysis of colour polymorphism in *Podarcis muralis* (Sauria: Lacertidae) using mitochondrial and nuclear markers" Awarded February 2012 (Supervisor: Prof. Paolo Galeotti).

Master Degree (Laurea specialistica, equal to MSc.) (February 2008) in Natural Sciences; University of Parma, Italy. Dissertation title (in Italian): "Differenziazione genetica e fenologia riproduttiva in due popolazioni di gheppio *Falco tinnunculus*" (Supervisor: Prof. James Tagliavini). Mark: 110/110 with honours.

Bachelor Degree (Laurea triennale, equal to BSc.) (February 2005) in Natural Sciences (Zoology); University of Milano, Italy. Dissertation title (in Italian): "Confronto tra lo spermatozoo di due specie del genere *Urodasys*" (Supervisors: Prof. Marco Ferraguti, Dr. Roberto Marotta). Mark: 110/110 with honours.

AREA OF SCIENTIF ACTIVITY

I'm an evolutionary biologist with a strong interest in **population genetics, ecology** and **herpetology**. I study remote and proximate causes that promote the **evolution** and the **variability** of populations and species. I'm similarly interested in detecting the effect of **inter-specific interactions** between native and alien species in term of genomic introgression, competition, distribution and pathogens spread and I use to address these issues by means of an **integrative approach** (i.e. molecular and ecological). My **model organisms** are **reptiles** and **amphibians**, but I also worked with birds, fishes, and crustaceans.

At the beginning of my carrier, I was **responsible for setting up a molecular laboratory** for the Department of Earth and Environmental Sciences of the University of Pavia, where I'm currently **supervising Bachelor's, Master's and PhD students**, also **coordinating all the research** programs involved in my research group.

During my PhD, I focused on **Population Genetics** and **microevolutionary processes** such as **gene flow, metapopulation dynamics** and **assortative mating**, dealing with the study of mechanisms promoting the evolution and maintenance of colour polymorphism in the **common wall lizard (*Podarcis muralis*)**. Besides my main research project, I took part in several side-projects concerning the study of both molecular and phenotypic divergences in various herpetological groups such as **dendrobatids from Costa Rica (*Oophaga granulifera*)**. By taking part in many experiments directed towards the identification of intraspecific phenotypic differences, I improved my skills in **Physiology (hormonal assay), Haematological analyses, Coloration analysis**.

During my **Post-doctoral experience**, I focused mainly on **Systematics** and **Species delimitation**, dealing with the **resolution of cryptic diversity** in species complexes. Currently, I'm using coalescent approaches of **species tree** and **time-calibrated tree** to propose new phylogenetic relationships, and apply delimitation methods to identify candidate new species. Thanks to these research projects, I also improved my skills in **Bayesian clustering algorithms**.

Currently, I'm **Post-Doc** at the University of Pavia (Italy), where I deal with several projects developed in the molecular laboratory I personally set up in 2009. My current research activities focus on: **1. Molecular identification of cryptic invasive taxa and their pathogens**, with focus on the mechanisms and effects of alien genomic introgression in autochthonous taxa; **2. Analysis of the adaptive fitness advantage of alien species and their hybrids** over autochthonous genomes, using the gen. *Pelophylax* as a model system; **3. Molecular survey of Madagascar herpetofauna** by means of integrative taxonomic approach; **4. Population and Landscape genetics** for the conservation of amphibians.

I'm currently involved in multiple **Conservation** projects to infer population structure of autochthonous taxa and to assess non-obvious barriers to gene flow by means of **Landscape genetics**. Thanks to fruitful international collaboration with the **Institute of Evolutionary Biology of Barcelona (Spain)** and **CIBIO/InBIO (Centro de Investigação em Biodiversidade e Recursos Genéticos) of Vairao (Portugal)** I sensibly increased my skills in Laboratory and Bioinformatics, recently approaching also **Next-Generation Sequencing (NGS)** techniques to solve evolutionary genetic and genomic issues.

I have a solid **Field research experience** working with on several amphibian and reptile taxa (mainly in Italy and Europe, but also in Costa Rica and Seychelles). I have thorough knowledge in **Captive Breeding** of both reptiles and amphibians. All these experiences qualified me to work with an **integrative approach** in my current position.

PREVIOUS AND CURRENT SCIENTIFIC AND/OR PROFESSIONAL ACTIVITIES

Obtained fellowships

01-10-2018 - now

Fellowship owner. Project title: "Monitoring of the herpetofauna with focus on the ecological connectivity of Parco delle Groane and neighbouring areas", granted by the Department of Earth and Environmental Sciences of the University of Pavia, Pavia, Italy. Supervisor: Prof. Mauro Fasola.

01-05-2018 - 30/08/2018

Fellowship owner. Project title: "Molecular characterization of allochthonous species", granted by the Department of Earth and Environmental Sciences of the University of Pavia, Pavia, Italy. Supervisor: Prof. Mauro Fasola.

01-12-2011 - 30/04/2018

Postdoctoral researcher. Project title: "Analysis of population genetic structure in Reptiles", granted by Department of Earth and Environmental Sciences, University of Pavia, Pavia, Italy. Supervisor: Prof. Mauro Fasola.

26-05-2008 - 28-09-2008

Fellowship owner. Project title: "Interspecific differences between two allochthonous species of *Paradoxornis* from Palude Brabbia (Varese) by molecular and morphometric approach", granted by Regione Lombardia and European Social Fund (ESF). Supervisor: Prof. Dr. Maurizio Casiraghi.

Teaching experience

01-10-2019 – 30-09-202

Guest Lecturer (Professore a contratto) of the course "Specie aliene e Biodiversità animale" for the Master of Science in "Natural Sciences" at the Department of Earth and Environmental Sciences, University of Pavia.

23-01-2017 – 30-01-2017

Teaching the training course "Analisi dei focolai e individuazione delle vie di dispersione del tarlo asiatico *Anoplophora chinensis* in Lombardia" at Laboratorio Fitopatologico Regione Lombardia, Servizio Fitosanitario/Fondazione Minoprio, Vertemate con Minoprio, Como, Italy.

29-10-2015 – 15-12-2015

Teaching the training course "Identificazione di sorgenti e vie di colonizzazione di specie invasive" at Laboratorio Fitopatologico Regione Lombardia, Servizio Fitosanitario/Fondazione Minoprio, Vertemate con Minoprio, Como, Italy.

11-15/12/2017, 09-11/30-12-2016, 02/30-12-2014, 18-11/31-12-2013, 19-11/17-12-2012

Assistant Lecturer for the course "**Systematic Zoology**" for BSc in Nature Sciences; Department of Earth and Environmental Sciences, University of Pavia, Pavia, Italy.

22/25-10-2012 - 03/04-12-2013

Teaching the training course: "Tecniche molecolari applicate all'Ecologia" for the PhD students in "Experimental Ecology and Geobotany" at the Department of Earth and Environmental Sciences of the University of Pavia, Pavia, Italy.

02-12-2011/03-02-2012, 28-02/28-04-2011, 02-11/11-12-2009, 21-10/28-11-2008

Assistant Lecturer for the course "**Zoology**" for BSc in Biological Sciences. Department of Biotechnology and Biosciences, University of Milano-Bicocca, Milano, Italy.

Invited seminars

7. Invited seminar for the course "Biologia delle Popolazioni e Comunità" (MSc in Biology): *Popolazioni, molecole e biodiversità*.
Dept. Earth and Environmental Sciences, University of Pavia.
AA 2018/2019
6. Invited seminar for the course "Gestione e Conservazione della Fauna" (MSc in Natural Sciences): *Gestione e Conservazione di anfibi e rettili*.
Dept. Earth and Environmental Sciences, University of Pavia.
AA 2017/2018
5. Invited seminar for the course "Fauna Regionale" (BSc in Natural Sciences): *Molecole e biodiversità: un approccio filogeografico*.
Dept. Earth and Environmental Sciences, University of Pavia.
AA 2017/2018
4. Invited seminar for the course "Biologia delle Popolazioni e Comunità" (MSc in Biology): *Genetica di Popolazione: principi e applicazioni*.
Dept. Earth and Environmental Sciences, University of Pavia.
AA 2017/2018
3. Invited seminar for the course "Ecologia" (Bsc in Biology): *Polimorfismo cromatico, Evoluzione e Strategie alternative*.
Dept. Earth and Environmental Sciences, University of Pavia.
AA 2014/2015
2. Invited seminar for the course "Evoluzione Biologica" (MSc in Biology): *Phylogeography and Reptiles: insight into speciation and biodiversity*.
Dept. Biotechnologies and Biosciences, University of Milano-Bicocca.
AA 2011/2012
1. Invited seminar for the course "Ecologia del comportamento" (MSc in Biology): *Color polymorphism, genes and alternative strategies*.
Dept. Earth and Environmental Sciences, University of Pavia.
AA 2010/2011

Project participation

01/04/2018 - now

"PodColor - Origin and maintenance of color polymorphisms: an integrative approach combining genomics, behavior and a population study"

PI: Dr. Catarina Pinho (A. Bellati: team member)

CIBIO/InBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos, Vairao, Portugal

Funded by FCT, Fundação para a Ciência e a Tecnologia, Portugal (02/SAICT/2017). Budget: 238,388 EUR

01/01/2018 - now

"Dal Lura alle Groane e alle Brughiere, dal Seveso al Parco Nord: Fiumi e Parchi in rete per erogare servizi ecosistemici alla città"

Consorzio per il Parco delle Groane (A. Bellati: team member)

Funded by Fondazione Cariplo. Budget: 750,000 EUR

31/01/2017 - 31/01/2018

"Molecular detection of cryptic alien hybridization in wild populations of waterfrogs (*Pelophylax* spp.) in northern Italy, and their effects on population structure and reproduction"

PI: Dr. Adriana Bellati

Department of Earth and Environmental Sciences, University of Pavia, Pavia, Italy

Funded by SEH – Societas Europaea Herpetologica, Germany. Budget: 2,000 EUR

01/01/2015 - 31/12/2018

"Caratterizzazione genetica degli individui di Testuggine palustre europea *Emys orbicularis* e di spatola europea *Platalea leucorodia* dell'Oasi di Sant'Alessio"

PI: Prof. Mauro Fasola (A. Bellati: team member)

Department of Earth and Environmental Sciences, University of Pavia, Pavia, Italy

Funded by Oasi di Sant'Alessio, Sant'Alessio con Vialone, Pavia, Italy. Budget: 15,000 EUR

10/12/2014 - 30/04/2018

"Monitoraggio genetico della popolazione di Tritone alpestre (*Ichthyosaura alpestris*) del Parco Nazionale dello Stelvio e zone limitrofe"

PI: Prof. Mauro Fasola (A. Bellati: team member)

Department of Earth and Environmental Sciences, University of Pavia, Pavia, Italy

Funded by Parco Nazionale dello Stelvio, Italy. Budget: 4,400 EUR

01-12-2012 - 01-12-2013

"Molecular characterization and population structure on anthropophilic reptiles with guidelines for damage prevention"

PI: Prof. Mauro Fasola (A. Bellati: team member)

Department of Earth and Environmental Sciences, University of Pavia, Pavia, Italy

Project founded by Società Barilla G. & R. F.lli S.p.A., Parma, Italy. Budget: 30,000 EUR

06-10-2013 - 22-10-2013

"Comparative phylogeography of *Tarentola mauritanica* and its parasites in Italy"

PI: Dr. Angelica Crottini (A. Bellati: guest researcher)

CIBIO/InBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos, Vairao, Portugal

08-07-2013 - 05-08-2013

"Molecular characterization and species delimitation in the *Anatololacerta* complex"

PI: Prof. Dr. Salvador Carranza (A. Bellati: guest researcher)

IBE-CSIC, Instituto de Biología Evolutiva, Barcelona, Spain

15-04-2013 - 16-05-2013

"Phylogeography of the genus *Anguis* across the Palearctic"

PI: Dr. Angelica Crottini (A. Bellati: guest researcher)

CIBIO/InBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos, Vairao, Portugal

15-04-2013 - 16-05-2013

"Description of a new Malagasy microhylid species (*Anura:Microhylidae*)"

PI: Dr. Angelica Crottini (A. Bellati: guest researcher)

CIBIO/InBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos, Vairao, Portugal

10-05-2011 - 20-05-2011

"Relationship between colour polymorphism, chemical signals, parasites and health in male common wall lizard (*Podarcis muralis*)"

PI: Prof. Dr. Jose Martin, Prof. Dr. Pilar Lopèz (A. Bellati: guest researcher)

Museo Nacional de Ciencias Naturales de Madrid, Madrid, Spain

15-09-2010 - 01-02-2011

"Phylogeography of *Anguis* spp. with preliminary taxonomic revision on molecular basis"

PI: Dr. Angelica Crottini (A. Bellati: guest researcher)

CIBIO/InBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos, Vairao, Portugal

01-01-2009 - 31-12-2011

"Ecological corridors and renaturation in green protected areas of North Milano"

PI: Prof. Dr. Massimo Labra (A. Bellati: team member)

Department of Biotechnology and Biosciences, University of Milano-Bicocca, Milano, Italy

Founded by Fondazione Cariplo, Milano, Italy. Budget: 185,800 EUR

Fieldwork experience

28-06-2014 - 04-07-2014

Field experience in the Pyrenees: **"Comparative approach in the study of polymorphic populations of common wall lizard *Podarcis muralis*"** (Supervisor: Dr. Guillem Pérez i de Lanuza).

CIBIO/InBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos, Vairao, Portugal.

20-06-2009 - 09-07-2009

Field work expedition in Costa Rica: **"Divergent evolution in the granular poison-dart frog, *Oophaga granulifera*: genetics, advertisement calls and colouration"**. (Supervisor: Dr. Oscar Brusa).

Department of Zoology, University of Veterinary Medicine, Hannover, Germany

26-05-2006 - 26-06-2006

Field work expedition in Seychelles (Aride Island): **"Ethology of the Seychelles magpie-robin (*Copsychus sechellarum*)"**.

Island Conservation Society of Seychelles, Seychelles islands.

SCIENTIFIC ADVISOR AND EDITORIAL ACTIVITY

Since 2016, I'm **Associate Editor of the European Journal of Zoology** (formerly the Italian Journal of Zoology), an international indexed journal published by the Italian Society of Zoologists (Unione Zoologica Italiana).

Since 2015, I'm **Associate Editor of Acta Herpetologica**, an international indexed journal published by the Societas Herpetologica Italica (SHI).

I regularly collaborate as **referee** for the following international peer-reviewed journals: Molecular Phylogenetics and Evolution, Oecologia, PLoS ONE, Biological Journal of the Linnean Society, ZooKeys, Amphibia Reptilia, Acta Herpetologica, Molecular and Cellular Probes, Herpetological Journal, Hydrobiologia, the European Journal of Zoology, Mitochondrial DNA.

I was enrolled in **the Scientific committee** of the: X Congress of the Societas Herpetologica Italica (Genova, 2014); XI Congress of the Societas Herpetologica Italica (Trento, 2016).

SUPPORTING STUDENTS and PhDs

Since 2010 ongoing: Supervisor and co-supervisor of 1 PhD Student, 14 Master's students and 12 Bachelor's students of the course "Biological Sciences" and "Natural Sciences" of the University of Pavia and Milano-Bicocca. I supervised the international internship of one Master's student of "Herpetology" from the University of Bruxelles (in 2017).

ABSTRACTS OF SCIENTIFIC CONGRESSES

(* = speaker)

43. **Bellati A.***, Seghizzi S., Bolis A., Raffa C., Gomis H., Grosso A., Delle Monache D.: Alternative outcomes of hybridization in water frogs (gen. *Pelophylax*) revealed by in vitro crossings and molecular approaches. X Congress of the Societas Europaea of Herpetology, Milano, 2-6/09/2019.
42. Bruni G., Mirabella I., Maglia M., Mezzadri S., Ambrogio A., Faraone F.P., Corti C., Razzetti E., **Bellati A.**: An updated assessment of alien water frogs distribution in Italy. X Congress of the Societas Europaea of Herpetology, Milano, 2-6/09/2019.
41. Corona S., **Bellati A.**, Obrizan S.: Phenotypic mutations of anura sampled in Chernobyl Exclusion Zone (CEZ). X Congress of the Societas Europaea of Herpetology, Milano, 2-6/09/2019.
40. **Bellati A.***, Mirabella I., Bassu S., Delaugerre M., Nulchis V., Cossu I.M., Frau S., & C. Corti: Molecular re-evaluation of the taxonomic status of some insular populations of *Pelophylax bergeri* (Anura: Ranidae) in the Western Mediterranean. XII Congress of the Societas Herpetologica Italica, Rende, Cosenza (Italy), 1-5/10/2018.
39. Bruni G., Mirabella I., Domeneghetti D., Fasola M., & **A. Bellati**: First molecular characterization of alien cryptic *Pelophylax* spp. from the Cecina basin (Pisa and Siena, Tuscany, central Italy), with evidence of hybridization with native taxa. XII Congress of the Societas Herpetologica Italica, Rende, Cosenza (Italy), 1-5/10/2018.
38. Seghizzi S., Pellitteri-Rosa D., Bernini G., Razzetti E., Bolis A., La Russa L., Fasola M., & **A. Bellati**: Molecular ecology of native and alien *Pelophylax* species in northern Italy. XII Congress of the Societas Herpetologica Italica, Rende, Cosenza (Italy), 1-5/10/2018.
37. Bolis A., Seghizzi S., Bonfanti P., Colombo A., & **A. Bellati**: Toxicity of a glyphosate-based herbicide during the early development of *Pelophylax ridibundus* (the Marsh frog) tadpoles. XII Congress of the Societas Herpetologica Italica, Rende, Cosenza (Italy), 1-5/10/2018.
36. Corona S., Bolis A., Colombo A., Bonfanti P., & **A. Bellati**: Hybridization between water frogs (gen. *Pelophylax*) and effect on hybrid survival. XII Congress of the Societas Herpetologica Italica, Rende, Cosenza (Italy), 1-5/10/2018.
35. Delle Monache D., Pellitteri-Rosa D., Donelli O., Fasola M., Rossi R., Sindaco R., Pedrotti L., & **A. Bellati**: Studio integrato della genetica del paesaggio e di popolazione del tritone alpestre *Ichthyosaura alpestris* (Caudata: Salamandridae) nel Parco Nazionale dello Stelvio. XII Congress of the Societas Herpetologica Italica, Rende, Cosenza (Italy), 1-5/10/2018.
34. Pellitteri-Rosa D., Bernini G., Delle Monache D., Tescari M.L., **Bellati A.**, & P. Galeotti: Struttura genetica ed ecologia di popolazioni lombarde di *Rana dalmatina*. XII Congress of the Societas Herpetologica Italica, Rende, Cosenza (Italy), 1-5/10/2018.

33. Raffa C., Delle Monache D., La Russa L., Bolis A., Colombo A., Bonfanti P., & **A. Bellati**: Hybridization between native and alien species of water frogs (gen. *Pelophylax*) and effects on tadpole development. XII Congress of the Societas Herpetologica Italica, Rende, Cosenza (Italy), 1-5/10/2018.
32. Andrade P., Pinho C., Afonso S., Pérez i de Lanuza G., **Bellati A.**, Pellitteri-Rosa D., Bosakova Z., Brejcha J., Carretero M.A., Feiner N., Marsik P., Paupério F., Rubin C.-J., Sabatino S., Salvi D., While G.M., Uller T., Font E., Andersson L., & M. Carneiro: Regulatory variation in pigmentation loci underlies balanced polymorphism in the wall lizard. II Joint conference on Evolutionary Biology 2018, Montpellier (France), 19-22/8/2018.
31. Andrade P., Pinho C., Afonso S., Pérez i de Lanuza G., **Bellati A.**, Pellitteri-Rosa D., Bosakova Z., Brejcha J., Carretero M.A., Feiner N., Marsik P., Paupério F., Salvi D., Uller T., While G.M., Font E., Andersson L., & M. Carneiro: Pleiotropy of pigmentation genes explains phenotypic differences among sympatric color morphs in a lizard. XVI Meeting of the European Society of Evolutionary Biology, Groningen (The Netherlands), 20-25/8/2017.
30. Chiodi A., Razzetti E., Delle Monache D., Fasola M., & **A. Bellati**: Molecular detection of cryptic alien hybridization in wild populations of water frogs (*Pelophylax* spp.) in northern Italy, and their effects on population structure and reproduction. XIX Congress of the Societas Herpetologica Europaea, Salzburg (Austria), 18-23/9/2017.
29. **Bellati A.***, Chiodi A., Bassu L., Nulchis V., Fasola M., & C. Corti: Molecular detection of cryptic lineages of *Pelophylax* spp. in Sardinia. XIX Congress of the Societas Herpetologica Europaea, Salzburg (Austria), 18-23/9/2017.
28. Chiodi A., **Bellati A.**, Bernini G., Colombo A., Bonfanti P., Raimondi E., Crottini A., & M. Fasola: Molecular detection of hybridogenetic pattern in the *Pelophylax esculentus* complex in Italy. IX Congress of the Italian Society of Evolutionary Biology, Roma (Italy), 28-30/7/2017.
27. Dufresne F., **Bellati A.**, & R. Tiberti: No sex for *Daphnia* in the Italian Alps...International Meeting on the Conservation of High Mountain Lakes, Gran Paradiso National Park, 6-8/6/2017.
26. **Bellati A.***, Scherz M.D., Rosa G.M., Glaw F., & A. Crottini: Discovery of a new species of *Plethodontohyla* helps clarify the taxonomy of the subfamily Cophylinae (Anura: Microhylida). TiBE 2016 congress on Tropical Biodiversity, Porto (Portugal), 28-29/11/2016.
25. **Bellati A.***, Pabijan M., Angelini C., Miralles A., Crochet P.-A., Manenti R., Andreone F., Eusebio Bergò P., Geniez P., Sacchi R., Ursenbacher S., & A. Crottini: Phylogeographic analysis of the Italian Slow Worm, *Anguis veronensis* Pollini, 1818, reveals a pattern of refugia within refugia, and helps characterize contact zones with the congeneric *A. fragilis*. XI Congress of the Societas Herpetologica Italica, Trento (Italy), 21-25/9/2016.
24. Pellitteri-Rosa D., Sindaco R., Rossi R., Donelli O., Delle Monache D., **Bellati A.**, & L. Pedrotti: L'utilizzo dei rifugi artificiali come valido metodo per monitorare l'erpetofauna alpina: il caso del Parco Nazionale dello Stelvio. XI Congress of the Societas Herpetologica Italica, Trento (Italy), 21-25/9/2016.
23. **Bellati A.***, Pellitteri-Rosa D., Cocca W., Crottini A., & M. Fasola: First evidences of complex phylogeographic history of Italian populations of the Moorish gecko *Tarentola mauritanica* (Linnaeus, 1758) revealed by fine-scale molecular markers. X Congress of the Societas Herpetologica Italica, Genova (Italy), 15-18/10/2014.

22. Cocca W., **Bellati A.**, Pellitteri-Rosa D., Dall'Asta A., & M. Fasola: A multilocus approach to identify the source of introduced populations. The case of the Moorish gecko *Tarentola mauritanica* in northern Italy. X Congress of the Societas Herpetologica Italica, Genova (Italy), 15-18/10/2014.
21. Pérez i de Lanuza G., **Bellati A.**, Pellitteri-Rosa D., Fasola M., & M.A. Carretero: Subtle spectral differences between polychromatic Iberian and Italian populations of *Podarcis muralis*. XIII Iberian Congress of Herpetology, Aveiro (Portugal), 30/9-4/10-2014.
20. Bernini G., **Bellati A.**, Pellegrino I., Negri A., & P. Galeotti: A molecular approach to conservational issues: the case of *Austropotamobius italicus* (Crustacea: Decapoda) in Northern Italy. V Congress of the Italian Society of Evolutionary Biology, Trento (Italy), 28-31/08/2013.
19. **Bellati A.***, Pellitteri-Rosa D., Cocca W., Sacchi R., Casiraghi M., Fasola M., & P. Galeotti: Molecular evidence of genetic differentiation among sympatric colour morphs of the common wall lizard (*Podarcis muralis*). VIII International Symposium on the Lacertids of the Mediterranean basin, Koper (Slovenia), 3-6/6/2013.
18. **Bellati A.***, Carranza S., Fasola M., Grieco C., & R. Sindaco: First molecular characterization of the genus *Anatololacerta* and validation of morphological subspecies with mitochondrial markers. VIII International Symposium on the Lacertids of the Mediterranean basin, Koper (Slovenia), 3-6/6/2013.
17. Pellitteri-Rosa D., Martín J., López P., **Bellati A.**, Sacchi R., Fasola M., & P. Galeotti: Comparison of femoral gland secretion's chemical composition between male colour morphs in common wall lizard (*Podarcis muralis*). VIII International Symposium on the Lacertids of the Mediterranean basin, Koper (Slovenia), 3-6/6/2013.
16. Sacchi R., Mangiacotti M., Scali S., Sannolo M., Pellitteri-Rosa D., **Bellati A.**, Galeotti P., Fasola M., & M.A.L. Zuffi: Condition dependent sexual dimorphism in the common wall lizard: a geometric morphometric study in the Tuscan Archipelago. VIII International Symposium on the Lacertids of the Mediterranean basin, Koper (Slovenia), 3-6/6/2013.
15. **Bellati A.***, Razzetti E., Resteghini M., Sacchi R., Pellitteri Rosa D., Casiraghi M., Bernini F., Galeotti P., & M. Fasola: First molecular characterization of invasive alien populations of *Pelophylax kurtmuelleri* (Gayda, 1940) and new records from Italy. IX Congress of the Societas Herpetologica Italica. Bari (Italy), 26-30/11/2012.
14. Sacchi R., Scali S., Pellitteri-Rosa D., **Bellati A.**, Ghitti M., Cocca W., Gentilli A., Pupin F., Rubolini D., Di Paoli A., Mangiacotti M., Capelli A., Maiocchi V., Cavigioli L., Tettamanti S., Galeotti P., & M. Fasola: Colour polymorphism in Common wall lizards (*Podarcis muralis*): causes and consequences. IX Congress of the Societas Herpetologica Italica, Bari (Italy), 26-30/9/2012.
13. **Bellati A.***, Pellitteri-Rosa D., Sacchi R., Nistri A., Galimberti A., Casiraghi M., Fasola M., & P. Galeotti: Variabilità morfologica e divergenza molecolare: uno studio sulle sottospecie di *Podarcis muralis* (Laurenti, 1768) dell'Arcipelago toscano. LXXII Congress of the Unione Zoologica Italiana, Bologna (Italy), 5-8/09/2011.
12. **Bellati A.***, Sticco M., Galimberti A., Sandionigi A., Scali S., & M. Casiraghi: Prima caratterizzazione molecolare del complesso *Natrix natrix*. LXXII Congresso Nazionale dell'Unione Zoologica Italiana, Bologna (Italy), 5-8/09/2011.
11. Tiberti R., **Bellati A.**, Cocca W., Galimberti A. Approccio integrato per la caratterizzazione di popolazioni alpine di *Daphnia*. LXXII Congresso Nazionale dell'Unione Zoologica Italiana, Bologna (Italy), 5-8/09/2011.

10. Pellitteri-Rosa D., Cavagnini F., **Bellati A.**, & E. Razzetti: Land register of ponds and pools for the protection of amphibians in Oltrepò Pavese (Northern Italy). VIII Congress of the Societas Herpetologica Italica, Chieti, 22-26/09/2010. 9.
9. **Bellati A.***, Pellitteri-Rosa D., Sacchi R., Galimberti A., Casiraghi M., Nistri A., Fasola M., & P. Galeotti: Mitochondrial analysis of polymorphic insular populations of *Podarcis muralis* (Laurenti, 1768) from the Tuscan Archipelago (Italy), ascribed to different morphological subspecies. VII International Symposium on the Lacertids of the Mediterranean Basin, Palma de Maiorca (Spain), 6-9/09/2010.
8. Pellitteri-Rosa D., Sacchi R., Di Paoli A., Ghitti M., **Bellati A.**, Fasola M., & P. Galeotti: Analysis of colour morphs variation in *Podarcis muralis* by using RGB scale. VII International Symposium on the Lacertids of the Mediterranean Basin, Palma de Maiorca (Spain), 6-9/09/2010.
7. **Bellati A.***, Pellitteri-Rosa D., Sacchi R., Galimberti A., Casiraghi M., Nistri A., Fasola M., & P. Galeotti: Comparing morphological variability and molecular divergence: a preliminary study in *Podarcis muralis* (Laurenti, 1768) from the Tuscan Archipelago (Italy). IV Congress of the Italian Society of Evolutionary Biology, Milano (Italy), 2-4/09/2010.
6. Galimberti A., Crottini A., Boto A., Serra L., Barbuto M., **Bellati A.**, Baccei S.G., & M. Casiraghi: Molecular tools help resolving a taxonomic enigma: the case of *Paradoxornis webbianus* and *Paradoxornis alphonisianus* (Aves: Paradoxornithidae). IV Congress of the Italian Society of Evolutionary Biology, Milano (Italy), 2-4/09/2010.
5. Galimberti A., Romano D., Genchi M., Paoloni D., Vercillo F., Bizzarri L., Barbuto M., Ferri E., **Bellati A.**, Ragni B., & M. Casiraghi: DNA barcoding discriminates between potentially cryptic species related to *Taenia taeniaeformis* harbored by Italian wild and domestic cats. II Conference of the European Consortium for the Barcode of Life (ECBOL2), Braga (Portugal), 2-4/06/2010.
4. Barbuto M., Montesanto G., Alfano N., Galimberti A., **Bellati A.***, Caruso D., Lombard B., & M. Casiraghi: Integrated approach for the identification of oniscidea isopods. II Conference of the European Consortium for the Barcode of Life (ECBOL2), Braga (Portugal), 2-4/06/2010.
3. Barbuto M., **Bellati A.**, Bruni I., Casiraghi M., Cozzolino S., Cristofolini G., Crottini A., De Mattia F., Ferri E., Frati F., Galimberti A., Labra M., Mantovani L., Minelli A., Moretti C., usacchio A., & D. Stracka: Il network nazionale di Biosistemica - www.biosistemica.unimib.it. LXIX Congress of the Unione Zoologica Italiana, Senigallia, Ancona, 22-25/09/2008.
2. Casagrande S., **Bellati A.***, La Fata I., & J. Tagliavini: Differenziamento genetico e fenologia riproduttiva in una popolazione di gheppio *Falco tinnunculus*. LXIX Congress of the Unione Zoologica Italiana, Senigallia, Ancona, 22-25/09/2008.
1. Mantovani L., **Bellati A.**, Galimberti A., & M. Casiraghi: Il DNA Barcoding e l'identificazione di insetti (Diptera) rilevanti in ambito forense nel Nord Italia (Milano). LXIX Congress of the Unione Zoologica Italiana, Senigallia, Ancona (Italy) 22-25/09/2008.

SCIENTIFIC PRODUCTION

Full papers published on international indexed journal (ISI)

26. Andrade P., Pinho C., Pérez i de Lanuza G., Afonso S., Brejcha J., Rubin C-J., Wallerman O., Pereira P., Sabatino S.J., **Bellati A.**, Pellitteri-Rosa D., Bosakova Z., Bunikis I., Carretero M.A., Feiner N., Marsik P., Paupério F., Salvi D., Soler L., While G.M., Uller T., Font E., Andersson L., Carneiro M. (2019) Regulatory changes in pterin and carotenoid genes underlie balanced color polymorphisms in the wall lizard. *Proceedings of the National Academy of Sciences*, 116(12): 5633-5642.
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25. Pérez i de Lanuza G., **Bellati A.**, Pellitteri-Rosa D., Font E., Carretero M.A. (2019) Colour variation between different lineages of a colour polymorphic lizard. *Journal of Zoology* 380(3): 175-187.
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24. Bolis A, Pellitteri-Rosa D, Bellati A (2019) Cross-specific mortality and differential occurrence of aberrant phenotypes in tadpoles according to *P. kl. esculentus* hemiclones' assortment. *Salamandra*, 55(2): 175-187.
23. **Bellati A.***, Bassu L., Nulchis V., & C. Corti (2019) Detection of alien *Pelophylax* species in Sardinia (western Mediterranean, Italy). *BioInvasions Records*, 8(1): 8-25.
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22. Cossu I.M., Frau S., Delfino M., Chiodi A., Corti C., & **A. Bellati** (2018) First report of *Bufo bufo* (Linnaeus, 1758) from Sardinia (Italy). *Acta Herpetologica*, 13(1): 43-49.
DOI: http://10.13128/Acta_Herpetol-21867
21. **Bellati A.**, Scherz M.D., Megson S., Hyde Roberts S., Andreone F., Rosa G.M., Noël J., Randrianirina J.E., Fasola M., Glaw F. & A. Crottini (2018) Resurrection and re-description of *Plethodontohyla laevis* (Boettger, 1913) and transfer of *Rhombophryne alluaudi* (Mocquard, 1901) to the genus *Plethodontohyla* (Microhylidae, Cophylinae). *Zoosystematics and Evolution*, 94(1): 109-135.
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19. Chiozzi G., Stiassny M.L.J., Alter E., De Marchi G., Mebrahtu Y., Tessema M., Asmamaw B., Fasola M. & **A. Bellati** (2017) Fishes in the desert: mitochondrial variation and phylogeography of *Danakilia* (Actinopterygii: Cichlidae) and *Aphanius* (Actinopterygii: Cyprinodontidae) in the Danakil Depression of northeastern Africa. *Mitochondrial DNA Part A, DNA Mapping, Sequencing, and Analysis*, 22: 1-16.
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18. Pellitteri-Rosa D., **Bellati A. (first co-authorship)**, Cocca W., Gazzola A. & M. Fasola (2017) Urbanization affects refuge use and habituation to predators in a polymorphic lizard. *Animal Behaviour*, 123(1): 359-367. DOI: <https://doi.org/10.1016/j.anbehav.2016.11.016>
17. Bernini G., **Bellati A.**, Pellegrino I., Negri A., Ghia D., Fea G., Sacchi R., Nardi P.A., Mauro F. & P. Galeotti (2016) Complexity of biogeographic pattern in the endangered crayfish *Austropotamobius italicus* in northern Italy: molecular insights of conservation concern. *Conservation Genetics*, 17(1): 141-154.
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16. Galimberti A., Sandionigi A., Bruno A., **Bellati A.** & M. Casiraghi (2015) DNA barcoding in mammals: what's new and where next?. *Hystrix*, 26(1): 13-24.
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15. Pellitteri-Rosa D., Liuzzi C. & **A. Bellati** (2015) First report of adult *Podarcis siculus* (Rafinesque-Schmaltz, 1810) predation by *Tarentola mauritanica* (Linnaeus, 1758). *Herpetozoa*, 28(1-2): 89-92.
14. Sacchi R., Mangiacotti M., Scali S., Sannolo M., Zuffi M.A.L., Pellitteri-Rosa D., **Bellati A.**, Galeotti P. & M. Fasola (2015) Context-dependent expression of sexual dimorphism in common wall lizards (*Podarcis muralis*). A test with island populations. *Biological Journal of the Linnean Society*, 114(3): 552-565.
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13. **Bellati A.***, Carranza S., Garcia-Porta J., Fasola M. & R. Sindaco (2015) Cryptic diversity within the *Anatololacerta* species complex (Squamata: Lacertidae) in the Anatolian Peninsula: evidence from a multi-locus approach. *Molecular Phylogenetics and Evolution*, 82(Part A): 219-233.
DOI: <http://dx.doi.org/10.1016/j.ympev.2014.10.003>
12. **Bellati A.***, Tiberti R., Cocca W., Galimberti A., Casiraghi M., Bogliani G. & P. Galeotti (2014) A dark shell hiding large variability: a molecular insight into the evolution and conservation of melanic *Daphnia* populations in the Alps. *Zoological Journal of the Linnean Society*, 171(4): 697-715.
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11. Pellitteri-Rosa D., Martín J., López P., **Bellati A.**, Sacchi R., Fasola M. & P. Galeotti (2014) Chemical polymorphism in male femoral gland secretions matches polymorphic coloration in Common wall lizards (*Podarcis muralis*). *Chemoecology*, 24(2): 67-78.
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10. Domeneghetti D., Bruni G., Fasola M. & **A. Bellati** (2013) Discovery of alien water frogs (gen. *Pelophylax*) in Umbria, with first report of *P. shqipericus* for Italy. *Acta Herpetologica*, 8(2): 171-176.
DOI: http://dx.doi.org/10.13128/Acta_Herpetol-13338
9. Gvoždík V., Benkovský N., Crottini A., **Bellati A.**, Moravec J., Romano A., Sacchi R. & D. Jandzik (2013) An ancient lineage of slow worms, genus *Anguis* (Squamata: Anguidae), survived in the Italian Peninsula. *Molecular Phylogenetics and Evolution*, 69(3): 1077-1092.
DOI: <http://10.1016/j.ympev.2013.05.004>
8. Galeotti P., Sacchi R., Pellitteri-Rosa D., **Bellati A.**, Cocca W., Gentili A., Scali S. & M. Fasola (2013) Colour polymorphism and alternative breeding strategies: effects of parent's colour morph on fitness traits in the common wall lizard. *Evolutionary Biology*, 40(3): 385-394.
DOI: <http://10.1007/s11692-012-9222-3>
7. Sacchi R., Pellitteri-Rosa D., **Bellati A.**, Di Paoli A., Ghitti M., Scali S., Galeotti P. & M. Fasola (2013) Colour variation in the polymorphic common wall lizard (*Podarcis muralis*): an analysis using the RGB colour system. *Zoologischer Anzeiger*, 252(4): 431-439.
DOI: <http://10.1016/j.jcz.2013.03.001>
6. Brusa O., **Bellati A.**, Meuche I., Mundy N.I. & H. Pröhl (2013) Divergent evolution in the polymorphic granular poison-dart frog, *Oophaga granulifera*: genetics, colouration, advertisement calls and morphology. *Journal of Biogeography*, 40(2): 394-408.
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5. Sacchi R., Pellitteri-Rosa D., Capelli A., Ghitti M., Di Paoli A., **Bellati A.**, Scali S., Galeotti P. & M. Fasola (2012) Studying the reproductive biology of the common wall lizard using ultrasonography. *Journal of Zoology*, 287(4): 301-310.
DOI: <http://10.1111/j.1469-7998.2012.00917.x>
4. Pellitteri-Rosa D., Sacchi R., Pupin F., **Bellati A.**, Cocca W., Gentili A., Galeotti P. & M. Fasola (2012) Testing the ability to store sperm: an experimental manipulation of mating opportunities in the common wall lizard, *Podarcis muralis*. *Acta Herpetologica*, 7(1): 111-118. DOI: <http://dx.doi.org/10.13128/Acta Herpetol-9890>
3. Sacchi R., Pellitteri-Rosa D., **Bellati A.**, Scali S., Tronconi D., Galeotti P. & M. Fasola (2012) Biological correlates of two dorsal pattern types in the Common Wall Lizard, *Podarcis muralis* (Laurenti, 1768). *Herpetozoa*, 25(1-2): 3-11.
2. De Marchi G., Fasola M., Chiozzi G., **Bellati A.** & P. Galeotti (2012) Sex discrimination of crab plovers (*Dromas ardeola*) by discriminant function analysis of morphometric traits. *Waterbirds*. doi: 35(2): 332-337.
DOI: <http://dx.doi.org/10.1675/063.035.0214>
1. **Bellati A.***, Pellitteri-Rosa D., Sacchi R., Nistri A., Galimberti A., Casiraghi M., Fasola M. & P. Galeotti (2011) Molecular survey of morphological subspecies reveals new mitochondrial lineages in *Podarcis muralis* (Squamata: Lacertidae) from the Tuscan Archipelago (Italy). *Journal of Zoological Systematics and Evolutionary Research*, 49(3): 240-250.
DOI: <http://10.1111/j.1439-0469.2011.00619.x>

Full papers published on not indexed journals

2. Doria G., Petri M., **Bellati A.**, Tiso M. & E. Pistarino (2013) *Rhabdophis* in the Museum of Genova with with description and molecular analysis of a new species from Sumatra (Reptilia, Serpentes, Colubridae, Natricinae). *Annali del Museo Civico di Storia Naturale di Genova*, 105: 139-153.
1. **Bellati A.** (2011) Genetic survey of polymorphic populations of *Podarcis muralis* (Sauria: Lacertidae) using molecular markers. *Scientifica Acta*, 5: 46-54.

Book Chapters

3. **Bellati A.**, Razzetti E. (2016) *Pelophylax lessonae* (Camerano, 1882) (Rana di Lessona); *P. kl. esculentus* (Linnaeus, 1758) (Rana esculenta). In: Stoch F., Genovesi P. (ed.), Manuali per il monitoraggio di specie e habitat di interesse comunitario (Direttiva 92/43/CEE) in Italia: specie animali. ISPRA, Serie Manuali e linee guida, 141/2016, p- 238-239.
2. **Bellati A.**, Razzetti E. (2016) *Pelophylax ridibundus* (Pallas, 1771) (Rana ridibonda). In: Stoch F., Genovesi P. (ed.), Manuali per il monitoraggio di specie e habitat di interesse comunitario (Direttiva 92/43/CEE) in Italia: specie animali. ISPRA, Serie Manuali e linee guida, 141/2016, p. 240-241.
1. Bernardi M., **Bellati A.**, Menegon M. (2015) *La specie tra evoluzione e conservazione*. In: Minelli A. (ed.), *Descrivere e Interpretare il Vivente*. pp.49-90, Armando Editore, Roma.

OUTREACH ACTIVITY

Oral communications by invitation

7. "Invasioni criptiche e minacce alla conservazione del complesso delle rane verdi: evidenze genetiche" at Corte di Giarola, Parco Fluviale Regionale del Fiume Taro, Collecchio, Parma, Italy.
22/4/ 2016
6. "Il commercio incontrollato di anfibi in Italia: invasioni criptiche e minacce alla conservazione del complesso delle rane verdi (gen. *Pelophylax*)" at Workshop HerpeThon2015 "Allevamento e commercio di anfibi e rettili: fra rischi e opportunità di conservazione", Department of Neurosciences, University of Torino, Torino, Italy.
18/9/2015
5. "Il complesso delle rane verdi (gen. *Pelophylax*): evoluzione, biodiversità e attuali minacce alla sua conservazione in Italia e in Europa" at Meeting GPSO (Gruppo Piemontese Studi Ornitologici), Sede del Parco del Po torinese Cascina Le Vallere, Moncalieri, Torino, Italy.
22/11/2014
4. "Multi-locus innovative approaches for resolving phylogenies: the case of the *Anatololacerta* species complex (Squamata: Lacertidae)" at XXXIII Congress of the Willi Henning Society, Museo delle Scienze di Trento, Trento, Italy.
7/7/ 2014
3. "Genetica delle specie aliene: il caso delle rane verdi in Italia" at Museo Tridentino di Storia Naturale, Trieste, Italy.
7/6/ 2013
2. "Colour polymorphism, alternative breeding strategies and assortative mating in common wall lizard (*Podarcis muralis*): effects on fitness traits and genetic divergence among morphs" at Evolutionary Symposium of the Italian Society of Evolutionary Biology, Ferrara, Italy.
15/12/2012
1. "Genetica non invasiva: un aiuto concreto per la conservazione dell'orso bruno europeo (*Ursus arctos*)" at Foresteria della Riserva di Naturale Giovetto di Paline, Brescia, Italy.
25/10/2011

Interviews

2. "L'invasione delle rane dei Balcani" at **Geo&Geo**, Roma (Italy).
14/6/2018
1. "Perché le rane verdi rischiano l'estinzione?" at **Telepavia**, Pavia (Italy).
7/7/2014

LANGUAGE SKILLS

Italian (native) - English (advanced) - Portuguese (basic) – Spanish (basic)

