

Curriculum Vitae et Studiorum

e-mail: luca.santini@uniroma1.it

Website: <http://ecaslabor.com/>

ORCID ID: 0000-0002-5418-3688.

Current and past position

2024 – ongoing: Associate Professor at the Department of Biology and Biotechnologies “Charles Darwin”, Sapienza University of Rome, Italy.

2021 – 2024: Researcher type B (i.e. assistant professor) at the Department of Biology and Biotechnologies “Charles Darwin”, Sapienza University of Rome, Italy.

2019 – 2021: Researcher level III at the Italian National Research Centre (CNR), Institute of Research on Terrestrial Ecosystems (IRET).

2017 – 2019: Researcher level III (Veni Grant n. 0.16.Veni.181.031) at Department of Environmental Science, Radboud University, Nijmegen, Netherlands.

2016 – 2017: Postdoctoral research fellow at Department of Environmental Science, Radboud University, Nijmegen, Netherlands.

2016 – Visiting researcher at Laboratoire d'Écologie Alpine à Grenoble (France) for a research in Collaboration with Dr. Wilfried Thuiller. The period is funded by the “Brusarosco” award provided by the Italian Ecological Society (S.It.E.) (March-July).

2015 – 2016 - Postdoctoral research fellow at the Department of Biology and Biotechnologies “Charles Darwin”, Sapienza University of Rome, Italy.

2011 – 2015 - PhD student at the Department of Biology and Biotechnologies “Charles Darwin”, Sapienza University of Rome, Italy.

National Academic Qualification

National Academic Qualification to Associate Professor in Ecology (05/C1) from 06/04/2017 to 28/03/2029

National Academic Qualification to Associate Professor in Zoology and Anthropology (05/B1) from 06/04/2017 to 28/03/2029

National Academic Qualification to Full Professor in Ecology (05/C1) from 10/03/2025 to 10/03/2037

National Academic Qualification to Full Professor in Zoology and Anthropology (05/B1) (05/B1) from 14/03/2025 to 14/03/2037

Research consultancy and technical reports

November – February 2024 – Estimation of population size for species in the Habitat Directive for the Italian Mammal Society (ATI) for the periodic Natura 2000 reporting.

March – July 2024 - A pilot assessment of baseline biodiversity for future rewilding plans in Alfinia plateau (Umbria, Italy)

Dec 2015 – Jan 2016 - Update on the analyses for the European project “Bioscore 2” led by Alterra - Wageningen UR

(NL).

Nov – Dec 2015 - Research consultant for the Zoological Italian Union (UZI) for developing the methodology to be employed to estimate the species distribution and population size of the wolf (*Canis lupus*) for the Italian National Action Plan for the Wolf (2015).

2014 – 2016 - Responsible for the analyses on mammals in the European project “How much biodiversity does Natura 2000 cover?” led by Alterra - Wageningen UR (NL).

2014 – 2015 - Responsible for the analyses on mammals in the European project “Bioscore 2” led by Alterra - Wageningen UR (NL).

Education

2015 - PhD in Animal Biology, 27/3/2015, Department of Biology and Biotechnologies “Charles Darwin”, Sapienza University in Rome. Thesis: "Dispersal in large-scale conservation analyses on mammals: a trait-based approach". Supervisor: Dr. Carlo Rondinini.

2010 - Masters degree in Natural Science "Nature conservation", 6/10/2010, La Sapienza University in Rome. Mark 110/110 cum laude. Thesis: "The activity pattern in *Lemur catta* and his ecological correlates in two gallery forests, south-east Madagascar". Supervisors: Dr. Giuseppe Donati (Oxford Brookes University and Pisa University) and Prof. Luigi Boitani (La Sapienza University, Rome).

2008 - Bachelor degree in Natural Science, 7/07/2008, La Sapienza University in Rome. Mark 110/110. Thesis: “The Brachininae of Italian fauna: Corology and zoogeography”. Supervisor: Prof. Augusto Vigna Taglianti.

2004 - High school diploma, 2004, Liceo Virgilio, mark 90/100.

Postgraduate courses

2021 – 2023 – QuID: “Percorso formativo biennale sull’innovazione della didattica”, 18th Oct. - 22nd June 2023, Rome, Sapienza University.

2017 – “A primer of causal inference for conservation biologists”. Cartagena, Colombia. 20th Jul.. Lecturer: Achaz Von Hardenberg.

2014 – “International Summer School on Bayesian Modelling: An Introduction for Ecologists and Environmental Scientists”, Heathland Centre, Island of Lygra, Norway. 15th-19th Sept. Lecturers: Joe Chipperfield, Florian Hartig and Jörn Pagel. Course run in partnership with and supported by University of Bergen, University of Freiburg and University of Hohenheim.

2012 – “Modelling dispersal and connectivity in fragmented landscapes”, UFZ in Leipzig, Germany. 21st-25th May, 2012. Lecturers: Guy Pe'er (organizer), Justin Travis, Greta Bocedi, Andreas Schmitz, Gunnar Oehmichen, Reinhard Klenke, Karin Frank, Karin Johst, Jenny Hodgson.

Spoken languages

- Italian: Mother tongue
- English: Advanced written and spoken

- TOEFL IBT, score 107/120, 2011

- First Certificate in English, British Institutes, 2010.
 - Spanish: Intermediate written, Advanced spoken
- Homologation certificate to Spanish high school diploma (Homologación al Título de Bachiller), Ministerio de Educación y Ciencia, 2005.
 - French: Elementary, written and spoken

Computer skills

- Advanced knowledge of R programming, GRASS GIS, QGIS, Photoshop, Office, OpenOffice
- Good knowledge of PostgreSQL and BASH programming
- Elementary knowledge of Matlab and Python

Member of scientific societies:

2022 – ongoing: Italian Chapter of Society for Conservation Biology (SCB)

2013 – 2015: Society for Conservation Biology (SCB)

2014 – 2015: Italian Theriological Society (ATIt)

Grants (PI = Principal investigator)

2024 – Fondi di ateneo 2023 (progetti grandi): “Analysing the impact of global change on European insects through the lens of macroecology” (65,340 Euro)

2023 – PRIN “UrBiS - Biogeography of urban green spaces: direct and indirect drivers of biodiversity and ecosystem services in Rome” (231,462 Euro) (PI)

2023 – CESAB (Centre De Synthèse et d'analyse sur la biodiversité) Project “IMPACTS: French biodiversity in the Anthropocene – impacts and drivers of spatial and temporal response”.

2022 - Horizon 2021-2022: “NaturaConnect - Designing a resilient and coherent trans-European Network for Nature and People”

2023 – Fondi Ateneo 2022 “Identifying synergies between Human Drivers of biodiversity loss” (10,000 Euro)

2022 - Fondi Ateneo 2021: “ClimExp: Assessing species' exposure to climate change to support extinction risk assessments for the IUCN Red List” (14,800 Euro + postdoc contract 23.787 Euro) (PI)

2021 – Funding for congresses, seminars and workshops, Sapienza University internal grant: “Bridging the gap: connecting people to conservation biology” – launch event of the Italian Chapter of the Society for Conservation Biology” (1200 Euro) (PI)

2020 - “Testing automated approaches to prioritise IUCN Red List reassessments”, Global Wildlife Conservation. (27,815.21 Euro) (PI)

2020 - “Accelerating IUCN Red List assessments for rapid and effective biodiversity monitoring (sRedList)” (216,835.6 Euro at iDiv in Leipzig for 3 years of workshops, 2(+1)-year postdoc, and postdoc travelling expenses). (PI)

2017 - Veni grant 2017 (NWO, The Netherlands). Project 016.Veni.181.031 “The role of Megafauna in shaping

ecosystems: insights into rewilding” (249,900 Euro) **(PI)**

2017 - PBL grant for Project n. 31129795 “Habitat suitability modelling for amphibians at the global scale” (20,660 Euro).

2015 - Grant for research project from Sapienza University of Rome, Italy. Fondi di avvio alla ricerca 2014: “Hotspots of mammal species at risk from climate change: the role of life history traits and external pressure” (9000 euro).

2014 - Money grant for young researchers project from Sapienza University of Rome, Italy. Fondi di avvio alla ricerca 2014: “Connectivity of the global network of protected areas for terrestrial mammals” (2000 Euro) **(PI)**

Awards

2016 - Daikin award 2016 for the best PhD thesis in Conservation Biology (2000 Euro)

2013 - ATIT Best paper award 2014. “Santini et al. 2013. Ecological correlates of dispersal distance in terrestrial mammals. *It J Mamm* 24(2): 1-6” (500 Euro)

2011 - API award 2011 for best oral presentations (250 Euro)

Fellowships

2020 - Rita Levi Montalcini Fellowship, project: “Automatizing extinction risk assessments for efficient biodiversity monitoring” (185,181.44 Euro)

2015 - ATIT fellowship to attend the workshop “The impact of climate changes on animal populations”. 9-14 November. Erice, Italy (500 Euro)

2015 - Brusarosco Award 2015 for best project of young researcher, supporting 5 months of research at Laboratoire d'Écologie Alpine in Grenoble under the supervision of Dr. Wilfried Thuiller (5000 Euro)

2015 - ECCB-ICCB Travel Reimbursement Award 2015 to attend ICCB-ECCB in Montpellier, France (250 Euro)

2014 - Fellowship from the Cost Action “HarmBio” for “Short Term Scientific Mission 2014” at Aberdeen University, UK (2500 Euro)

2013 - Fellowship from the Cost Action “HarmBio” for “Short Term Scientific Mission 2013” at Aberdeen University, UK (1800 Euro)

2011 - EFP fellowship to attend the Conference “4th EFP 2011, Almada, Portugal” (250 Euro)

2011 - API fellowship to attend the Conference “4th EFP 2011, Almada, Portugal” (250 Euro)

2006 - “Borsa di collaborazione” 2006-2007, Department of Animal and Human Biology, Università “La Sapienza”

2005 - “Borsa di collaborazione” 2005-2006, Department of Animal and Human Biology, Università “La Sapienza”

Teaching

2024 – Intensive course for PhD students of the doctoral school “Biologia Ambientale ed Evoluzionistica”: “Introduction to Predictive Modeling in Ecology” (8h, 1 CFU).

2022 – **ongoing** - Bachelor course “Conservation Biology” at Sapienza University of Rome (6 CFU).

2021 - Training school “A primer on Species Distribution Modeling in ecology and conservation” (8h), 14th - 15th

October.

2021 – ongoing – Contributes to the course for PhD students of the doctoral school “Biologia Ambientale ed Evoluzionistica”: “Hints and tips for publishing in ecology, conservation, and environmental journal”

2020 - ongoing - Master course “Vertebrate Zoology” at Sapienza University of Rome (6 CFU).

2019 - Bachelor course “Introduction to R programming for biologists” at Radboud University (3 CFU).

2018-2019 - Master course “Biodiversity and ecological assessment” at Radboud University (3 CFU).

2016-2017 - Module “Protected areas assessment and planning” in the Master course “Biodiversity and ecological assessment” at Radboud University.

2012-2014 - Gave lectures concerning animal dispersal, habitat connectivity and fragmentation in the Master course in Conservation Biology held by Dr. Carlo Rondinini (2012-2014). Sapienza University of Rome.

Teaching seminars

2023 – Short course: “Hints and tips for publishing in conservation, ecology and environmental journals” (4h), Challenging Conservation, 1st conference of SCB Italy.

2018 - Seminar on “The use of Machine Learning approaches in Ecological Research” for the PhD students of the Department of Environmental Science at Radboud University. 8 May 2018.

2014 - Seminar on “Programming in R” to the PhD students of Environmental and Evolutionary Biology at Sapienza Università di Roma. 26 March 2014.

Student supervision

Bachelor students

2024 – Daniele Della Nebbia: “L’impatto del parrocchetto dal collare sugli ecosistemi urbani italiani”.

2024 – Eleonora Lenci: “Ottimizzazione dell’analisi dei dati di *camera trap* in studi di conservazione: dalla *citizen science* al *machine learning*”

2024 – Federica Di Stefano: “Inquinamento Acustico Terrestre e Marino: Effetti sulle Biodiversità e strategie di Mitigazione”

2024 – Costantino Pontani: “La berta maggiore: minacce e conservazione”

2024 – Giorgia Varchi: “Analisi del ruolo di Acquari e Giardini Zoologici per la conservazione della biodiversità e percezione del pubblico”

2024 – Elisa Bettini: “Effetti del by-catch sulle tartarughe marine nel mar Mediterraneo: revisione dei gap di conoscenza”.

2024 – Sonia Zouaoui: “Il ruolo della matrice sui paesaggi frammentati”.

2024 – Nicole Grande: “Applicazioni di CRISPR-Cas9 per la conservazione delle specie”.

- 2024** – Sara Hamidi: “L’influenza delle recinzioni per la conservazione dei leoni”.
- 2024** – Chiara Congedi: “Ruolo ecosistemico, minacce e conservazione degli squali”.
- 2023** - Flavia Marotta: “La territorialità nei mammiferi: una proposta di classificazione”.
- 2023** – Lorenzo Santia: “Il valore economico della biodiversità”.
- 2023** - Sveva Fortuna: “Analisi dell’invasione della *Vespa velutina*: valutazione degli effetti sull’ecosistema e approcci di controllo”.
- 2023** – Alessio Filadi: “Influenza dei fattori climatici sulla distribuzione del parassitoide *Cylindromyia bicolor* e del suo ospite *Rhaphigaster nebulosa*”.
- 2023** - Elisa Abbondanza: “Applicazione degli indici bioacustici per il monitoraggio dell’avifauna in contesto urbano”.
- 2023** - Mario Pierini: “Analisi degli impatti del gatto domestico sugli ecosistemi in qualità di specie invasiva”.
- 2023** - Eva Mariana Acuna: “Il cinghiale selvatico: strategie di conservazione in Italia e coesistenza tra l'uomo e la fauna selvatica”.
- 2023** - Giulia Spoletti: “Conflitto e coesistenza tra uomo e fauna selvatica”.
- 2023** - Eros Spinozzi: “Inquinamento Acustico Marino: Effetti sui Cetacei e loro Mitigazione”.
- 2023** - Vanessa Sabatini: “Strategie di conservazione per contrastare il bracconaggio dei rinoceronti”.
- 2022** - Eden Findo: “Pianificazione e gestione delle aree protette in un contesto di cambiamento climatico”.
- 2022** - Clara Amman: “L’impatto della megafauna erbivora sul paesaggio in Europa”.
- 2022** – Vincenzo Anzidei: “Differenze nella morfologia dei lepidotteri nella Lista Rossa della IUCN tra specie insulari e continentali”. (Co-supervisor)
- 2021** - Andrea Zampetti: “Aggression and Conflict: an Overview of Mammalian Mating Systems”.
- 2021** - Gioia Adornato: “Climate change vulnerability in Amphibians and Reptiles”.
- 2014** - Jacopo Pagani, “L’influenza dei tratti biologici sul tasso di dispersione dei mammiferi terrestri”.
- 2012** - Simona Picardi, “Il dispersal nei mammiferi e le sue implicazioni in conservazione”.

Master students

- 2024** – Giulia Sperning: "Tratti funzionali associati ai pattern di attività dei primati".
- 2024** – Marta Polizzi: "Effetti del cambiamento climatico in una popolazione ripariale di chirotteri: risposta fisiologica ed ecologica nel vespertilio di Daubenton (*Myotis daubentonii*)".
- 2024** – Andrea Santini: “Distribuzione e zone di transizione dei fenotipi puri delle popolazioni di biacco *Hierophis viridiflavus viridiflavus* e *Hierophis viridiflavus carbonarius* in Italia”.
- 2024** - Manuel Vicca: “Pattern di abbondanza e densità della specie di lucertola "Podarcis siculus" in relazione alla dimensione di aree verdi urbane e a variabili ambientali”.
- 2024** – Marco Quaranta: “Confronto tra gli approcci di N-mixture e Distance Sampling per la stima di popolazione di

lucertole”.

2024 – Daniele Saracino: Effetto dei sentieri forestali su attività e diversità dei chiroteri.

2024 - Guendalina Francesconi: “Altruismo e condivisione del cibo nei cebi dai cornetti (*Sapajus* spp.)”.

2023 – Giuseppe Coiro: “Influenze ambientali e antropiche sui pattern di attività della fauna selvatica del Monte Cimino (VT)”.

2023 – Sanja Jelena Gargano: “Trend spazio temporale delle variazioni di densità di popolazione di *Loxodonta* africana: Influenze dei fattori naturali ed antropici dagli anni 60 ad oggi”.

2023 - Sofia Silvestri: “Estimating generation time of amphibians to enhance climate risk assessment in the Red List”.

2023 - Martina Fernando: “Distanze di *dispersal* nei mammiferi terrestri: influenza dei tratti ecologici, del *bias* sessuale e di età”.

2023 - Andrea Zampetti: “Stima di densità con fototrappole: confronto tra due metodi e implicazioni di un approccio di machine learning”.

2023 – Francesca Ferretti: “Monitoraggio bioacustico passivo della comunità di chiroteri nella città di Roma”.

2023 - Matteo Giuliani: “Valutazione degli indici acustici come indicatori di diversità dell’avifauna”.

2022 - Giulia Boratto: “Studio dei pattern di abbondanza delle popolazioni di *Tursiops truncatus*, *Stenella coeruleoalba*, *Delphinus delphis* nei mari Europei”.

2022 - Laura Paltrinieri: “Relazione tra stime di probabilità di presenza relativa e densità di popolazione: un confronto tra specie in diverso stato di conservazione”. (RELATORE)

2022 - Davide Fundarò: “Pattern di abbondanza dei cetacei nei mari europei”.

2021 - Nicolò Pranzini: “Estimating large carnivore populations at a global scale: Application for tigers and leopards”. Università di Torino.

2020 - Giordano Mancini: “L'effetto della frammentazione dell'habitat sul rischio di estinzione dei primati neotropicali”.

2019 - 2020 - Shibely Soto, “Assessing connectivity among protected areas for the Jaguar (*Panthera onca*) in Mexico”. Radboud University.

2019 - 2020 - Giordano Mancini, “Habitat fragmentation effect on the risk of extinction of neotropical primates”. Sapienza University of Rome.

2018 - 2019 - Steven Kelderman, “Patterns of functional diversity across environmental gradients”. Radboud University.

2018 - Thomas Hamersma, “Predator-prey size relationship in mammals”. Radboud University.

2018 - Elodie Le Quellec, “Extinction risk vulnerability in Birds”. Radboud University.

2018 - Louise Prevot, “Assessing the effect of land cover change on European ungulates”. Radboud University.

2018 - Erin Henry, “Testing Bergman's rule in terrestrial vertebrates”. Radboud University.

2017 - Pedro Lorenzo Cruz, “Life history theory in vertebrates”. Radboud University.

2013 - 2014 - Giulia Cristallini, “Il ruolo del sistema di aree protette italiano nella conservazione dei mammiferi terrestri”.

Postgraduate students

2017 - 2018 - Marta Cimatti, “Predicting large carnivores expansion in Europe”. Radboud University.

PhD students

2024 – ongoing – Alice Turchi: “Cetaceans under global change”. Sapienza Università di Roma. (SUPERVISOR).

2024 – ongoing – Daniele Saracino: “The dark side of Rome: drivers, threats, and ecosystem services of urban bats”. Sapienza Università di Roma. (SUPERVISOR)

2023 – ongoing – Giorgia Castiello: “Passive bioacoustic monitoring of bird and bat communities in temperate forests: the impact of forest management”. Sapienza Università di Roma. (SUPERVISOR)

2023 – ongoing – Andrea Zampetti: “Animal population density: scaling up local estimates for applications in monitoring and conservation”. Sapienza Università di Roma. (SUPERVISOR)

2021 – ongoing – Giordano Mancini: “Stima dell'esposizione ai cambiamenti climatici per valutare il rischio di estinzione nella Lista Rossa IUCN”. Sapienza Università di Roma. (CO-SUPERVISOR)

2020 – ongoing – Davide Mirante, “The effect of ecotourism on wildlife spatial and temporal patterns”. Sapienza University. (SUPERVISOR)

2020 – ongoing – Giordano Mancini, “Assessing species’ exposure to climate change to support extinction risk assessments for the IUCN Red List”. Sapienza University. (SUPERVISOR)

2018 – 2023 - Selwyn Hoeks, “The role of Megafauna in shaping ecosystems”. Radboud University. (SUPERVISOR)

2017 – 2020 – Mirza Cengic, “Habitat suitability modelling for amphibians at the global scale”. (ADVISOR)

2017 – 2023 – Juan Gallego Zamorano, “Quantifying biodiversity responses to human pressures: a cross-scale approach”. (ADVISOR)

2016 – 2023 – Melinda de Jonge, “Accounting for species interactions in species distribution modelling”. (ADVISOR)

2016 – 2020 - Coline Boonman, “Functional trait based vegetation modelling”. Radboud University. (SUPERVISOR)

Participation to evaluation committees

14th March 2019 - External examiner of the MSc thesis of Calyne Nasambu Khamila “Assessing the trade-off between forest productivity and animal biodiversity” at Geo-Information Science and Earth Observation Faculty of the University of Twente.

17th Dec. 2020 - External examiner of the PhD defence of Harith Omar Morgadinho Farooq “Toward Data-Driven Biodiversity Conservation in Africa” at the Aveiro University in Portugal.

Participation to selection committees

Dec. 11th 2017 - Selection of one PhD student at the Environmental Science Department in Radboud University within

the VENI project n. 016.Veni.181.031.

May 23rd 2016 - Selection of two PhD students at the Environmental Science Department in Radboud University within the ERC project n. 647224.

Workshops

2016 - Bioscore 2.0 concluding workshop. 21 June, Spoorwegmuseum in Utrecht (NL).

2015 - Invited expert in the workshop “Protected Area connectivity: an assessment for Aichi target 11”. 17 December, WCMC Cambridge.

2015 - HARMBIO Final workshop. 7 – 10 December, Museum of Natural History in South Kensington, London.

2015 - “The impact of climate changes on animal populations”. Director: Prof. Marco Apollonio. 9-14 November, "Ettore Majorana" Foundation and Centre for Scientific Culture, Erice, Italy.

2015 - HARMBIO workshop. 4th meeting of WG1, 19 – 21 January, German Centre for Integrative Biodiversity Research (iDIV) in Leipzig, Germany.

2014 - BioScore 2.0 Workshop. 16 October. Mundo-b, Bruxelles, Belgium.

2014 - HARMBIO workshop. 3rd meeting of WG1, WG2, WG4, 2nd meeting of WG3. 8 – 10 April, German Centre for Integrative Biodiversity Research (iDIV) in Leipzig, Germany.

2013 - “KBA Thresholds workshop”, IUCN Key Biodiversity Areas. 1-5 December. Sapienza University at the Fondazione BioParco in Rome.

2013 - “Modelling dispersal”, Biaowie a, Poland 13-17 May. Organizer: Dr. Kamil Barto and Dr. Justin Travis.

2012 - HARMBIO workshop. 1st meeting of WG1 and WG2. 8 – 9 November, Sapienza Università di Roma.

Events organization

2024 – Symposium “Supporting national and global Red List assessments via the sRedList platform”, ECCB Conference 2024 18/06/2024, Bologna.

2023 – ClimBATS Cost Action meeting at the Botanical garden in Rome. 26th-27th April, Rome.

2021 - Training school on: “A primer on Species Distribution Modeling in ecology and conservation”, 14th-15th October, Online event.

2015 - Symposium “The (macro)ecology of animal species decline” at the “Ecology at the interface” congress, 21-25th September, Rome.

Invited seminars

2021 - “The human footprint on macroecological patterns in the Anthropocene” (~20 minutes). 18/11/2021. Environmental Research 2021 virtual conference.

2022 – “An introduction to distribution models in ecology and conservation”. Invited webinar for the CYBO webinar series (Conference for Young Botanists). 9/05/2022.

2020 - “Patterns of population density in terrestrial vertebrates and their application in conservation” (~50 minutes).

10/11/2020. Department of Zoology, Oxford University.

2019 - “The biodiversity crisis and global conservation assessments” (~ 45 minutes) within the project “Deaf Communication without a Shared Language”. Prof. O.A. Crasborn, Radboud University.

Congresses

2024 – ECCB Congress, Bologna, Italy. 17-21 June. 1 Presentation and 1 Poster.

2024 – 'Cambiamento della Biodiversità nell'Antropocene', Fano, Italy, 10-11 April. 1 Presentation.

2022 - “Bridging the gap: un ponte tra biologia della conservazione e società” of the Society for Conservation Biology Italy Chapter onlus.

2021 - Environmental Research 2021, Virtual Annual Conference, 15-19 November. Invited Speaker, Presentation: “The human footprint on macroecological patterns in the Anthropocene.”

2019 - ICCB Congress, Kuala Lumpur, Malaysia, 22-25 Jul. 1 Oral communication: “Parameter settings and uncertainty in modelling species distribution under climate change” and 1 Poster: “Assessing the accuracy population density predictions in mammals for conservation analyses”.

2019 - NAEM Conference, 12-13 January, Lunteren, The Netherlands. 1 Presentation.

2019 - IBS International Biogeography Society Conference, Malaga, Spain, 8-12 Jan. 2 Posters.

2018 - BES Macroecology conference, St. Andrew, Scotland, 10-11 July. 1 Poster: “One strategy doesn't fit all: determinants of urban adaptation in mammals”.

2017 - ESA EO Open Science Conference, Frascati, Italy, 25-28 Sep. Oral communication: “Using land use time series to monitor species extinction risk under the Red List framework”.

2017 - ICCB Congress, Cartagena, Colombia, 22-26 July. Oral communication: “Predicting population density for conservation applications”

2017 - BES Macroecology conference, 5-7 July, London, UK. Poster 1: “Global drivers of population density in terrestrial vertebrates”; Poster 2: “Shifting baselines in macroecology”.

2017 – 3° Convegno Nazionale Piccoli Mammiferi "I Piccoli Mammiferi fra gestione e conservazione", Colle Val D'Elsa (SI), 8–9 novembre 2017

2016 - SItE/UZI/SIB Congress, 30th August - 2nd September, Milan. Oral communication: “What determines population abundance in animals? Life-history and environmental correlates of population density in terrestrial vertebrates and perspectives for predictions”.

2015 - EEF/SItE Ecology at the Interface, 21-25th September, Rome. Oral communication: “Human driven body size reduction of terrestrial mammal communities”. Poster: “Human pressures predict species’ geographic range size better than biological traits”.

2015 - ICCB 27th International Congress for Conservation Biology / 4th European Congress for Conservation Biology, August 2-6, Montpellier - France. Oral communication: “Modeling spread rate in terrestrial mammals and the ability to track a shifting climate: a trait space approach”. Posters: “Connectivity of the global network of protected areas”; “Human pressures predict species’ geographic range size better than biological traits”.

2014 - XI ATIT Congress, Civitella Alfedena, Italy, 7-10 May. Oral communication: “Biological determinants of spreading rate in terrestrial mammals”. Poster: “Connectivity of the global network of protected areas for terrestrial mammals”.

2013 - XI INTECOL Congress (International Congress of Ecology) in London, England, 18-23 August. Poster:

“Shifting gap analysis goals from representation to persistence”.

2012 - ECCB Congress (European Congress of Conservation Biology) in Glasgow, Scotland, from 28/8 to 1/9. Oral communication: “New Methods to Define Spatially Discrete Mammal Populations”.

2011 - 4th EFP Congress (European Federation for Primatology) in Almada, Portugal, 14-17 September. Oral communication: “Cathemeral activity in Ring-tailed Lemurs, *Lemur catta*”.

2011 - XX API's National congress (National primatological association) in Parco Natura Viva (VR), 10-13 April. Oral communication: “An (Un)expected Nocturnal Life: 24h Activity in Ring-tailed Lemurs”.

Publications

1. Mancini G., **Santini L.**, Cazalis V., Ficetola G.F., Meiri S., Roll U., Silvestri S., Pincheira-Donoso D., Di Marco M. Generation length of the world's amphibians and reptiles. *Ecography*, doi: 10.1111/ecog.07527
ACCEPTED
2. Mirante D., **Santini L.**, Costantini D., Benítez-López A. 2024. Glucocorticoid responses of wildlife to anthropogenic stressors are influenced by disturbance type and species traits. *Functional Ecology*, doi: 10.1111/1365-2435.14741
3. Gérard S., Decaëns T., Butt K.R., Briones M.J.I., Capowiez Y., Cluzeau D., Hoeffner K., Le Bayon R.C., Marchán D.F., Marsden C., Muys B., Pelosi C., Pérès G., Phillips H.R.P., **Santini L.**, Thuiller W., Hedde M. 2024. Putting earthworm conservation on the map: Shortfalls and solutions for developing earthworm conservation. *Biological Conservation*, ACCEPTED
4. Zampetti A., Mirante D., Palencia P., **Santini L.** 2024. Towards an automated protocol for wildlife density estimation using camera-traps. *Methods in Ecology & Evolution*, ACCEPTED
5. **Santini, L.**, Fernando M., Mancini G., Di Marco M. 2024. The neglected role of sex-biased dispersal in range-shift prediction under climate range. *Diversity & Distributions*, doi: 10.1111/ddi.13942
6. Prima M.C., Renaud J., Witté I., Suarez L., Rouveyrol P., Fernando M., Sacchi A., Cosentino F., **Santini L.**, Maiorano L., Thuiller W. 2024. A comprehensive framework to assess multi-species landscape connectivity. *Methods in Ecology & Evolution*, doi: 10.1111/2041-210X.14444
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1. Iacucci A., **Santini L.** 2021. Il ritorno di lupi, orsi e linci: una sfida per l'Europa. Repubblica
2. Rondinini C. & **Santini L.** 2016. 2020, l'anno che verrà: Un'analisi di medio termine verso gli obiettivi internazionali per la biodiversità. "Sapere, Idee e progressi della scienza". Edizioni Dedalo. Bimestrale Ottobre 2016. ISSN 0036-4681 - anno 82°, n. 5 - 978-88-220-9421-6

Editorial activity

Track record available at: <https://publons.com/author/1188346/luca-santini#stats>

Senior Editor: *Diversity and Distributions* (2019-ongoing)

Associate Editor: *Diversity and Distributions* (2017-2019)

Reviewer for: *American Journal of Primatology, Animal Behaviour, Behavioral Ecology and Sociobiology, Biodiversity Conservation, Biological Conservation, Bioscience, Biotropica, BMC Ecology, Communications Biology, Conservation Biology, Conservation Letters, Current Biology, Diversity and Distributions, Ecology Letters, Ecography, Ecology and Evolution, Ecosphere, Environmental Conservation, European Journal of Wildlife Research, Frontiers in Biogeography, Frontiers in Ecology and Evolution, Global Change Biology, Global Ecology and Biogeography, Hystrix the Italian Journal of Mammalogy, International Journal of Primatology, Journal of Applied Ecology, Journal of Biogeography, Landscape Ecology, Mammalian biology, Mammal Review, Movement Ecology, Nature, Nature Communications, Nature Ecology and Evolution, One Earth, Oryx, PLoS ONE, Science Advances, Scientific Reports.*

External reviewer of PhD theses:

- Sandra Blazquez-Cabrera, PhD student at Universidad Politécnica de Madrid (2017). Title: “Multi-scale analysis of habitat availability and connectivity and its application to the Iberian lynx (*Lynx pardinus*) case study”.
- Harith Farooq, PhD student at Universidade de Aveiro, Portugal (2020). Title: “Towards data-driven biodiversity conservation in Africa”.
- Siirke Piirainen, PhD student at University of Helsinki (2024). Title: “Modelling changes in occurrence probabilities and abundances of species in the Anthropocene based on multi-source environmental data”.

Reviewer for projects: The Leakey Foundation, Israel Science Fundation, Royal Society Wolfson Fellowships

Experience in the field

- Between October 2008 and July 2010 I participated to several field activities on birds and mammals: 1) I recorded the reproductive behaviour of fallow deers (*Dama dama*) in the leks (Castel Porziano, 2008); 2) I collected biometric measurements on culled Fallow deers (*Dama dama*) and Boars (*Sus scrofa*), and analysed their dental formulas and reproductive organs (Castel Porziano, 2008-2009); 3) I researched the behavioural ecology of ring-tailed lemur (*Lemur catta*) (Master's thesis project - Madagascar 2009-2010); 4) I participated to the estimate of ungulate abundance in Castel Porziano (2010); 5) I monitored migratory bird species (Ponza, 2010); 6) I collected data on the habitat selection of the barbastelle (*Barbastella barbastellus*) (Atri, 2011).

Experience in captivity

- Between March and December 2008 I collaborated regularly as a volunteer with rescue centre of wild animals in Rome “Lipu”.
- I worked as an intern at the Unit of Cognitive Primatology and Primate Center of CNR (National Research Council) assisting Dr. Valentina Truppa in conducting two projects regarding visual cognition and implicit learning in Tufted capuchin monkeys (*Cebus apella*). December 2010 - May 2011.