

Curriculum Vitae et Studiorum

Personal information

Surname: Santini
First name: Luca
Address: Via Mogadiscio 12, 00199, Rome, Italy
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Date of birth: 10/07/1985
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CV highlights

- PhD in Animal Biology (Sapienza University of Rome, March 2015); MSc cum laude in Natural Science (October 2010); BSc in Natural Science (July 2008)
- 10 prizes/grants/awards received from academic and non-academic institutions, both national and international
- >50 articles published in ISI-ranked journals, >5 among book sections and technical reports
- Google Scholar: H-index = 23, Total citations > 2200 citations (start 2013)
- Senior Editor for *Diversity and Distributions*; reviewer of >30 international scientific journals
- Experience with academic teaching and supervision of BSc, MSc and PhD students (2013-present)
- Main research topics: Conservation Biogeography, Macroecology, Spatial Ecology, Global Change Biology
- Technical skills: R programming, GIS, Statistical modelling, Database management
- Italian National Qualification for Associate Professorships in Zoology and Ecology (Abilitazione Scientifica Nazionale come Professore di II fascia per i settori 05/B1 e 05/C1)
- Member of international scientific societies (SCB, ATIT)

Current and past position

2021-ongoing: 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.

Research consultancy and technical reports

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).

2015-2016 - 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

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:

2013-present: Society for Conservation Biology (SCB)

2014-present: Italian Theriological Society (ATIt)

Grants (PI = Principal investigator)

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, 3-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”

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 and Supervised thesis

- 2020** - 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** - Lectures in the 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

- 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

- 2014** - Jacopo Pagani, "L'influenza dei tratti biologici sul tasso di dispersione dei mammiferi terrestri". Sapienza Università di Roma.
- 2012** - Simona Picardi, "Il dispersal nei mammiferi e le sue implicazioni in conservazione". Sapienza Università di Roma.

Master students

- 2019 - ongoing** - 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”. Sapienza Università di Roma.

Postgraduate students

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

PhD students

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

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

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

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

2016 – ongoing - 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. 4rd 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”, Bia owie a, Poland 13-17 May. Organizer: Dr. Kamil Barto and Dr. Justin Travis.
- 2012** - HARMBIO workshop. 1rd meeting of WG1 and WG2. 8 – 9 November, Sapienza Università di Roma.

Events organization

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

Invited seminars

- 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

- 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** - 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, London, UK. Poster 1: “Global drivers of population density in terrestrial vertebrates”; Poster 2: “Shifting baselines in macroecology”.
- 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. Conenna I., **Santini L.**, Cabeza M., Rocha R., Monadjem A., Russo D. (2021) Global patterns of functional trait variation along aridity gradients in bats. *Global Ecology and Biogeography*, ACCEPTED
2. Benítez-López A., **Santini L.**, Gallego-Zamorano J., Milà B., Walkden P., Huijbregts M., Tobias J.A. 2020. The island rule explains consistent patterns of body size evolution across terrestrial vertebrates. *Nature Ecology and Evolution*, ACCEPTED
3. Cimatti M., Ranc N., Benítez-López A., Maiorano L., Boitani L., Cagnacci F., Čengić M., Ciucci P., Huijbregts M.A.J., Krofel M., López Bao J., Selva N., Andren H., Bautista C., Cirovic D., Hemmingmoore H., Reinhardt I., Marenče M., Mertzanis Y., Pedrotti L., Trbojević I., Zetterberg A., Zwijacz-Kozica T., **Santini L.** 2020. Large carnivore expansion in Europe is associated with human population density and land cover changes. *Diversity and Distributions*, doi: 10.1111/ddi.13219
4. Gonzalez-Suarez M., Gonzalez-Voyer A., von Hardenberg A., **Santini L.** 2020. The role of brain size on population density in mammals. *Journal of Animal Ecology*, doi: 10.1111/1365-2656.13397
5. Tucker M., **Santini L.**, Carbone C., Mueller T. 2020. Mammal population densities at a global scale are higher in human-modified areas. *Ecography* doi: 10.1111/ecog.05126

6. Hoeks S., Huijbregts M.A.J., Busana M., Harfoot M.B.J., Svenning J-C , **Santini L.** 2020. Mechanistic insights into the role of large carnivores for ecosystem structure and functioning. *Ecography* doi: 10.1111/ecog.05191
7. Dallas T., **Santini L.**, Decker R., Hasting A. 2020. Weighing the evidence for the abundant-centre hypothesis. *Biodiversity Informatics* 15(3): 81-91
8. **Santini L.**, Benítez-López A., Čengić M., Maiorano L., Huijbregts, M.A.J. Assessing the reliability of species distribution projections in climate change research. bioRxiv doi: 10.1101/2020.06.10.143917
9. Dallas T., Pironon S., **Santini L.** 2020. The abundant-centre is not all that abundant: a comment to Osorio-Olvera et al. 2020. bioRxiv doi: 10.1101/2020.02.27.968586
10. Benítez-López A., **Santini L.**, Gallego-Zamorano J., Milà B., Walkden P., Huijbregts M., Tobias J.A. 2020. The island rule explains consistent patterns of body size evolution across terrestrial vertebrates. bioRxiv doi: 10.1101/2020.05.25.114835
11. Dallas T., **Santini L.** 2020. The influence of stochasticity, landscape structure, and species traits on abundant-centre relationships. *Ecography* doi: 10.1111/ecog.05164
12. Boonman C.C.F., Benítez-López A., Schipper A.M., Thuiller W., Anand M., Cerabolini B.E.L, Cornelissen J.H.C., Gonzalez-Melo A., Hattingh W.N., Higuchi P., Laughlin D.C., Onipchenko V.G., Peñuelas J., Poorter L., Soudzilovskaia N.A., Huijbregts M.A.J., **Santini L.** 2020. Assessing the reliability of predicted plant trait distributions at the global scale. *Global Ecology and Biogeography* 29(6): 1034-1051
13. Donati G., Campera M., Crescent M., Balestri M., Barresi M., Kesch K., Ndremifidy K., Philemon, Rabenantoandro J., Racevska E., Randriatafika F., Ravaolahy M., Ravoahangy A.M., Roma M., Rowe F., **Santini L.**, Serra V., Zander S.L., Tsagnangara C., Vincelette M., Ramanamanjato J.B. 2020. Life in a fragment: evolution of foraging strategies of translocated collared brown lemurs, *Eulemur collaris*, over an 18-year period. *American Journal of Primatology* 82(4): e23106
14. Eppley T., **Santini L.**, Tinsman J., Donati G. Do functional traits offset the effects of fragmentation? The case of large-bodied diurnal lemur species. *American Journal of Primatology* 82(4): e23104
15. Gallego-Zamorano J., Benítez- López A., **Santini L.**, Hilbers J.P., Huijbregts M.A.J., Schipper A.M. 2020. Combined effects of land use and hunting on distributions of tropical mammals. *Conservation Biology*. doi: 10.1111/cobi.13459
16. Benítez-López A., **Santini L.** 2020. Game of Tenure: the role of “hidden” citations on researchers’ ranking in Ecology. *Frontiers of Biogeography*. doi: 10.21425/F5FBG45195
17. Sykes L., **Santini L.**, Etard A., Newbold T. 2020. Different forms of rarity interact to determine species' responses to land use. *Conservation Biology* 34(3): 688-696
18. Campera M., **Santini L.**, Balestri M., Nekaris K.A.I., Donati G. Elevation gradients of lemur abundance emphasise the importance of Madagascar’s lowland rainforest for conservation of endemic taxa. *Mammal Review* 50(1): 25-37
19. Burns K., **Santini L.**, Zhan A. 2019. Building a better future for Diversity & Distributions. *Diversity and Distributions* 25(7): 1010-1011
20. Benítez-López A., **Santini L.**, Schipper A.M., Busana M., Huijbregts M.A.J. 2019. Intact but empty forests? Patterns of hunting-induced mammal defaunation in the tropics. *PLoS Biology* 17(5): e3000247
21. **Santini L.**, Butchart S.H.M., Rondinini C., Benítez-López A., Hilbers J.P., Schipper A., Cengic M., Tobias J.A., Huijbregts M.A.J. 2019. Applying habitat and population density models to land cover time series to inform IUCN Red List assessments. *Conservation Biology* 33(5): 1084–1093

22. **Santini L.**, González-Suárez M., Russo D., Gonzalez-Voyer A., von Hardenberg A., Ancillotto L. 2019. One strategy doesn't fit all: determinants of urban adaptation in mammals. *Ecology Letters* 22(2): 365-376
23. Peterson A.T., Anderson R.P., Beger M., Bolliger J., Brotons L., Burridge C.P., Cobos M.E., Cuervo-Robayo A.P., Di Minin E., Diez J., Elith J., Embling C.B., Escobar L.E., Essl F., Feeley K.J., Hawkes L., Jiménez-García D., Jimenez L., Green D.M., Knop E., Kühn I., Lahoz-Monfort J.J., Lira-Noriega A., Lobo J.M., Loyola R., MacNally R., Machado-Stredel F., Martínez-Meyer E., McCarthy M., Merow C., Nori J., Nuñez-Penichet C., Osorio L., Pyše P., Rejmánek M., Ricciardi A., Robertson M., Rojas Soto O., Romero-Alvarez D., Roura-Pascual N., **Santini L.**, Schoeman D.S., Schröder B., Soberon J., Strubbe D., Thuiller W., Traveset A., Treml E.A., Václavík T., Varela S., Watson J.E.M., Wiersma Y., Wintle B., Yanez-Arenas, Zurell D. 2019. Open Access Solutions for Biodiversity Journals: Don't Replace One Problem with Another. *Diversity and Distributions* 25(1): 5-8
24. **Santini L.**, Pironon S., Maiorano L., Thuiller W. Addressing common pitfalls does not provide more support to geographical and ecological abundant-centre hypotheses. *Ecography* 42(4): 696-705
25. Verde Arregoitia L.D., Hernández-Canchola G., **Santini L.**, Schweizer M., Cabrera-Garrido M.Y., León-Paniagua L.S. 2018. Co-occurrence and character convergence in two Neotropical bats. *Journal of Mammalogy* 99(5): 1055-1064
26. **Santini L.**, Isaac N.J.B., Maiorano L., Ficetola G.F., Huijbregts M.A.J., Carbone C., Thuiller W. 2018. Global drivers of population density in terrestrial vertebrates. *Global Ecology and Biogeography* 27(8): 968-979
27. **Santini L.**, Isaac N.J.B., Ficetola G.F. 2018. TetraDENSITY: a database of population density estimates in terrestrial vertebrates. *Global Ecology and Biogeography* 27(7): 787-791
28. **Santini L.**, Benítez-López A., Ficetola G.F., Huijbregts M.A.J. 2018. Length – Mass allometries in Amphibians. *Integrative Zoology* 13(1): 36-45
29. Donati G., **Santini L.**, Eppley T.M., Arrigo-Nelson S.J., Balestri M., Boinski S., Bollen A., Bridgeman L.B., Campera M., Carrai V., Chalise M.K., Derby A., Hohmann G., Kinnaid M.F., Koenig A., Kowalewski M., Lahann P., McLennan M.R., Nekaris A.K.I., Nijman V., Norscia I., Ostner J., Polowinsky S.Y., Schülke O., Schwitzer C., Stevenson P.R., Talebi M.G., Tan C., Tomaschewski I., Vogel E.R., Wright P.C., Ganzhorn J.U. 2017. Low Levels of Fruit Nitrogen as Drivers for the Evolution of Madagascar's Primate Communities. *Scientific Reports* 7(1): 14406
30. **Santini L.**, González-Suárez M., M., Rondinini C., Di Marco M. 2017. Shifting baseline in macroecology? Unraveling the influence of human impact on mammalian body mass. *Diversity and Distributions* 23(6): 640-649
31. Mori E., Iacucci A., Castiglia R., **Santini L.** 2017. Sexual-size dimorphism in two synanthropic rat species: Comparison and eco-evolutionary perspectives. *Mammalian Biology* 83: 78-80
32. **Santini L.**, Belmaker J., Costello M.J., Pereira H.M., Rossberg A.G., Schipper A.M., Ceausu S., Dornelas M., Hilbers J.P., Hortal J., Huijbregts M.A., Navarro L.M., Schiffrs K., Visconti P., Rondinini C. 2017. Assessing the suitability of diversity metrics to detect biodiversity change. *Biological Conservation* 213: 341–350
33. Hilbers J.P., **Santini L.**, Visconti P., Schipper A.M., Pinto C., Rondinini C., Huijbregts. 2017. Setting population targets for mammals using body mass as a predictor of population persistence. *Conservation Biology* 31(2): 385-393 (**Joint first author**)
34. Ranc N., **Santini L.**, Rondinini C., Boitani L., Poitevin F., Angerbjorn A., Maiorano L. 2017. Performance tradeoffs in target-group bias correction for species distribution models. *Ecography* 40(9): 1076-1087
35. **Santini L.**, Saura S., Rondinini C. 2016. A composite network approach for assessing multi-species connectivity: an application to road defragmentation prioritisation. *PLoS ONE* 11(10): e0164794

36. **Santini L.**, Cornulier T., Bullock J.M., Palmer S.C.F., White S.M., Hodgson J.A., Bocedi G., Travis J.M.J. 2016. A trait-based approach for predicting species responses to environmental change from sparse data: How well might terrestrial mammals track climate change?. *Global Change Biology* 22(7): 2415-2424
37. Di Marco M., **Santini L.**, Visconti P., Mortelliti A., Boitani L., Rondinini C. 2016. Using habitat suitability models to scale up population persistence targets. *Hystrix, Italian Journal of Mammalogy* 27(1): 1-7
38. Schipper A., Belmaker J., Dantas M., Navarro L., Böhning-Gaese K., Costello M., Dornelas M., Foppen R., Joaquín H., Huijbregts M., Martin B., Queiroz C., Rossberg A., **Santini L.**, Schiffrers K., Steinmann Z., Visconti P., Rondinini C., Pereira H., 2016. Contrasting changes in the abundance and diversity of North American bird assemblages over a 40 year period. *Global Change Biology* 22(12): 3948-3959
39. Ancillotto L., **Santini L.**, Ranc N., Maiorano L., Russo D. 2016. Extraordinary range expansion in a common bat: the potential roles of climate change and urbanisation. *The Science of Nature* 103(15) (**Joint first author**)
40. **Santini L.**, Saura S., Rondinini C. 2016. Connectivity of the global network of protected areas. *Diversity and Distributions* 22(2): 199-211
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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)

Revisore per: *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 Communications, Oryx, PLoS ONE, 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".

Reviewer for projects: The Leakey Foundation.

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.