

## Dr. Margarita Triguero-Mas

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### PROFESSIONAL PROFILE

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Dr. Margarita Triguero-Mas is an affiliated research scientist at the Mariana Arcaya's research group at the Department of Urban Studies from the Massachusetts Institute of Technology (DUSP-MIT), where she coordinates the research collaboration "Environmental justice, urban planning and public health" (a collaboration with the Barcelona Laboratory for Urban Environmental Justice and sustainability, BCNUEJ). She is also the co-coordinator of the research area of "Urban environment, health and equity" at BCNUEJ and the leader of the research line "Urban greenspaces and environmental health justice" at the Hospital del Mar Medical Research Institute and Autonomous University of Barcelona. She is a social environmental scientist working at the intersection of public health, urban planning and environmental justice and a world expert on the health impacts of urban nature, with a particular focus on health equity. Apart from book chapters, she has co-authored more than 50 papers published in peer reviewed journals (google scholar h-index=29, >4800 citations). In 2020 she was among the 1% most cited scientists in the world.

She has experience and expertise in the specific areas of: (i) self-perceived general and mental health, cognitive function, and stress; (ii) exposure assessment and specific exposure factors such as gentrification, indoor and outdoor air pollution, green space, UV exposure, noise, temperature, rainfall and physical activity, and (iii) she also has experience and expertise in specific methodologies both quantitatively using questionnaires and technology such as GIS, smartphones, personal sensors and remote sensing but also qualitative data collection and participatory action research. She is currently leading two research projects looking at how the Covid-19 pandemic has changed public space use, perceptions and gentrification/touristification processes and how these changes have impacted the health of women and other marginalized genders (FEMPUBLICBCN: <http://www.bcneuj.org/projects/fempublicbcn/>). At the same time that she is the scientific co-coordinator of EC funded GreenLULUs project (<http://www.bcneuj.org/projects/greenlulus/>), that examines if benefits from greenspaces are distributed among all local residents. She also co-led the DonesJardins (<http://www.bcneuj.org/projects/donesjardins/>) and the Rooftop gardens (<http://www.bcneuj.org/projects/rooftop-gardens-barcelona/>) projects. Moreover, she was also co-investigator of the DECHM project exploring the impact of temperature and rainfall in mortality and hospitalizations in Mozambique, and the EC funded PHENOTYPE project (<http://phenotype.eu/en/>). She was also involved in the EC funded project ICEPURE (<https://cordis.europa.eu/docs/results/227020/final1-final-report-icepure-227020-final-v1.pdf>) that examined exposure to and health effects of solar UV exposure, and the ARIBA project on air pollution and reproduction.

### EDUCATION

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PhD	<b>Pompeu Fabra University</b> (Barcelona, Spain) <b>Doctorate in Biomedicine</b> <ul style="list-style-type: none"><li>• Specialization in Public Health</li><li>• Dissertation: "<i>Natural outdoor environments and adults' health: associations, effect modifiers and mediators</i>" (Supervisor: Prof. Mark J. Nieuwenhuijsen,</li></ul>	2012-2017
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ISGlobal - CREAL). Marked Excellent with International mention.

- Funding: AGAUR PhD grant (Catalan Government, 2013-2017). CIBERESP PhD stay grant (Spanish Ministry of Economy and Competitiveness, 2014) for a three-months stay in Staffordshire University, United Kingdom.

MPH	<b>Pompeu Fabra University</b> (Barcelona, Spain) <b>Master's in Public Health</b> <ul style="list-style-type: none"><li>• Specialization in environmental health</li><li>• Thesis: <i>"Personal sun behaviour and sunburn, suntan and vitamin D production during winter beach holiday"</i> (Supervisors Prof. Mark J. Nieuwenhuijsen and Dr. Payam Dadvand, CREAL)</li></ul>	2010-2012
Bachelor's Degree	<b>Autonomous University of Barcelona</b> (Barcelona, Spain) <b>Undergraduate degree in Environmental Science</b> <ul style="list-style-type: none"><li>• Final degree thesis (with Olomí Sola M): <i>"Local perception of protected areas. A case study in Dandeli Wildlife Sanctuary"</i> (Under the supervision of Prof. Victoria Reyes-García, Ethnoecology Laboratory, ICTA-UAB). Honour thesis.</li></ul>	2003-2008

## ACADEMIC POSITIONS AND AFFILIATIONS

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2021-Present	<i>Affiliated research scientist (2021-present)</i> <i>Coordinator of the research collaboration MIT-BCNUEJ of "Environmental justice, urban planning and public health" (2021-present)</i> <b>Mariana Arcaya's research lab: Massachusetts Institute of Technology (MIT) – Department of Urban Studies and Planning (DUSP)</b> My research focuses on exploring how the built environment affects gentrification processes and health (in)equity, with a particular focus on dynamic time-space factors. My academic work is divided between collaborations coordination, supervision, research design, analysis and interpretation of results.	
2016-Present	<i>Associated researcher (2016-2018; 2021-present)</i> <i>Leader of the UAB-IMIM research line "Urban greenspaces and environmental (health) justice" (2020-present)</i> <i>Co-coordinator of the BCNUEJ research area of "Urban environment, health and equity" (2018-present)</i> <i>Postdoctoral researcher (2018-2021)</i> <b>Barcelona Laboratory for Urban Environmental Justice and Sustainability (BCNUEJ): Autonomous University of Barcelona – Institute of Environmental Science and Technology (ICTA) – Hospital del Mar Medical Research Institute (IMIM)</b> My research focuses on evaluating the health (in)equity effects of urban planning decisions and policies related to healthier cities. My academic work is divided between research and team coordination, supervision, research design, data collection, management, analysis and interpretation of results and writing.	
2017-Present	<i>Associated researcher (2018-2021)</i> <i>Postdoctoral researcher (2017-2018)</i> <b>Barcelona Institute for Global Health (ISGlobal)</b> My research focused on the environmental factors (air pollution and meteorological factors) affecting mortality and hospitalizations in high- and low-income countries. My academic work was divided between research design, data collection, management, analysis and interpretation of results.	
2012-2017	<i>PhD researcher</i> <b>Barcelona Institute for Global Health (ISGlobal)/ Centre for Research in Environmental Epidemiology (CREAL)</b> My research focused on the health effects of natural outdoor environments (including vegetated and water ones) in high-income countries, as part of the FP7 funded project PHENOTYPE (Positive Healthy Effects on the Natural Outdoor environment in TYPical Populations of different regions in Europe). My academic work was divided between research design, coordination with national and	

international collaborators, data collection, data management, analysis and interpretation of epidemiological data.

2008-2012 *Research assistant*

**Centre for Research in Environmental Epidemiology (CREAL)**

I supported research on health effects of air pollution and ultraviolet radiation exposure in high-income countries, as part of the ARIBA (Air pollution and Reproduction In BARcelona) project and the FP7 funded project ICEPURE (The Impact of Climatic and Environmental factors on Personal Ultraviolet Radiation Exposure). My work was divided between national coordination, data collection (air pollution and UVR sampling, specifically PM<sub>2.5</sub>, PAHs, NO<sub>x</sub>, UVR, blood and urine collection with primary laboratory processing), data management and primary analysis of epidemiological data.

2007-2008 *Research Assistant*

**Autonomous University of Barcelona – Institute of Environmental Science and Technology (ICTA)**

As a member of the Ethnoecology Laboratory, my research focused on local knowledge and perceptions of a natural protected area in India. My academic work was divided between data collection, data management, primary analysis and interpretation of results.

## GRANTS AND SCHOLARSHIPS

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2018-2020 **Juan de la Cierva postdoctoral grant.** Postdoctoral grant awarded by the Spanish Ministry of Economy and Competitiveness (State agency). **Ranked 1<sup>st</sup> in my field.** This is the **most prestigious non-field specific postdoctoral grant in Spain** for those that have up to 2 years of experience since completion of PhD.

2013-2017 **AGAUR PhD grant.** Pre-doctoral grant awarded by the Catalan Government (State agency) [248/1094 applications awarded].

2014 **PhD stay grant** (September 2014 – December 2014). Pre-doctoral grant awarded by the Spanish Ministry of Economy and Competitiveness (State agency).

## AWARDS AND HONOURS

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2021 **World expert.** Included among the 0.1% of most relevant researchers on Parks in the last 10 years according to ExpertScap). Ranked 8 of 9122 researchers in the world in the Parks field (<https://expertscape.com/ex/parks%2C+recreational>).

2021 **Scientific research award** “COVID funds” from Barcelona Town Council. Only 30% of those participating were awarded.

2020 **Most cited scientists in the world.** Ranked as 1 of the 6389 most cited scientists in the world (i.e. within 1% of the most cited scientists) by Clarivate Analytics. 1 of the 2493 cross-field scientists selected.

2020 **Sustainability Travel Award.** One of the four travel awards from the journal, *Sustainability*, to attend the “Creating the Healthiest Nation: Preventing Violence” (AHPA – American Public Health Association) conference held online due to COVID-19.

2018 **Selected for a prestigious ERC-Starting grant postdoctoral position**

2018 **ISES-ISEE Travel Award.** Award from the International Society of Exposure Science and the International Society for Environmental Epidemiology to attend the “Addressing complex local and global issues in environmental exposure and health (ISES-ISEE 2018)” conference in Ottawa, Canada.

2017 **PhD International mention.** Awarded by Pompeu Fabra University, Barcelona, Spain.

2017 **CREAL PhD thesis submission stipend**

## PUBLICATIONS

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### PEER-REVIEWED PUBLICATIONS (Click on the title to access)

SCOPUS - h index = 25; 3288 citations. GOOGLE SCHOLAR - **h index = 29; 4803 citations**

58 Anguelovski I, Cole H, O'Neill E, Baró F, Kotsila P, Sekulova F, Pérez-del-Pulgar C, Shokry G, Garcia-Lamarca M, Argüelles L, Connolly J, Honey-Rosés J, López-Gay A, Fontán-Vela M, Matheney A, Oscilowicz E, Binet A, **Triguero-Mas M (coordinating author)** (*Accepted*) Gentrification pathways and their health impacts on historically marginalized residents in Europe and North America: Global qualitative evidence from 14 cities. *Health & Place*

57 **Triguero-Mas M**, Anguelovski I, Cole HVS (2021). Healthy cities after COVID-19 pandemic: the just ecofeminist healthy cities approach. *Journal Epid & Comm Health* (<http://dx.doi.org/10.1136/jech-2021-216725>) [Essay]

56 Zayas-Costa M, Cole HVS, Anguelovski I, Connolly JJT, Bartoll X, **Triguero-Mas M (coordinating author)** (2021). Mental health outcomes in Barcelona: The interplay between gentrification and greenspace. *Int J Environ Res Public Health*. 18(17), 9314. (<https://doi.org/10.3390/ijerph18179314>)

55 López-Gay A, Spikjer J, Cole H, Marques AG, **Triguero-Mas M**, Anguelovski I, Marí-Dell'Olmo M, Módenes JA, Álamo-Junquera D, López-Gallego F, Borrell C (2021). Sociodemographic determinants of intra-urban variations in COVID-19 incidence. The case of Barcelona. *Journal of Epidemiology & Community Health*. 0:1-7. (<http://dx.doi.org/10.1136/jech-2020-216325>)

54 Ribeiroa AI\*, **Triguero-Mas M\* (1<sup>st</sup> author co-authorship)**, Jardim Santosa C, Gómez-Nieto A, Cole H, Anguelovski H, Martins Silva F, Baró F (2021). Exposure to nature and mental health outcomes during COVID-19 lockdown. A comparison between Portugal and Spain. *Environment International*. V154: 106664. (<https://doi.org/10.1016/j.envint.2021.106664>)

53 Pérez-del-Pulgar C, Anguelovski I, Cole HVS, Bont J, Connolly J, Baró F, Díaz Y, Fontán-Vela M, Duarte-Salles T\*, **Triguero-Mas M\* (coordinating co-author)**. (2021) The relationship between residential proximity to outdoor play spaces and children's mental and behavioral health: the importance of neighborhood socio-economic characteristics. *Environmental Research*. V200: 111326. (<https://doi.org/10.1016/j.envres.2021.111326>)

52 Soueid L, **Triguero-Mas M\* (corresponding author)**, Dalmau A, Barrera-Gómez J, Alonso L, Basagaña X, Thieden E, Wulf HC, Diffey B, Young AR, Nieuwenhuijsen MJ, Dadvand P. (In press) Estimating personal ultraviolet radiation exposure through time spent outdoors, ambient levels and modelling approaches. *British Journal of Dermatology*.

51 **Triguero-Mas M**, Anguelovski I, García-Lamarca M, Argüelles L, Pérez del Pulgar C, Shokry G, Connolly JJT, Cole HVS. (2021) Natural outdoor environments' health effects in gentrifying neighborhoods: disruptive green landscapes for underprivileged neighborhood residents. *Social Science and Medicine*, V2179: 113964 (<https://doi.org/10.1016/j.socscimed.2021.113964>)

50 Ho JY, Zijlema WL, **Triguero-Mas M**, Donaire-Gonzalez D, Valentín A, Ballester J, Chan EYY, Goggins WB, Mo PKH, Kruize H, van den Berg M, Gražuleviciene R, Gidlow CJ, Jerrett M, Seto EYW, Barrera-Gómez J\*, Nieuwenhuijsen MJ\*. (2021) Does surrounding greenness moderate the relationship between apparent temperature and physical activity? Findings from the PHENOTYPE project. *Environmental Research*, V197: 110992, 1-10 (<https://doi.org/10.1016/j.envres.2021.110992>)

49 Cole H, Anguelovski I, Connolly J, Garcia Lamarca M, Perez del Pulgar C, Shokry G, **Triguero-Mas M**. (2021) Adapting the Environmental Risk Transition Theory for Urban Health Inequities: An observational study examining complex environmental riskscapes in seven neighborhoods in Global North cities. *Social Science and Medicine*, V277: 113907, 1-12 (<https://doi.org/10.1016/j.socscimed.2021.113907>).

48 Cole HVS, Mehdipanah R, Gullón P, **Triguero-Mas M** (2021) Breaking down and building up: Gentrification, its drivers, and urban health inequality. *Current Environmental Health Reports*. (<https://doi.org/10.1007/s40572-021-00309-5>)

- 47 Marselle MR, Hartig T, Cox DTC, Bell S, Knapp S, Lindley S, **Triguero-Mas M**, Böhning-Gaese K, Cook PA, de Vries S, Heintz-Buschart A, Hofmann M, Irvine KN, Kabisch N, Kolek F, Kraemer R, Markevych I, Martens D, Müller R, Nieuwenhuijsen M, Potts JM, Stadler J, Walton S, Warber SL, Bonn A. (2021) Pathways linking biodiversity to human health: A conceptual framework. *Environment International*. V150: 106420, 1-22 (<https://doi.org/10.1016/j.envint.2021.106420>).
- 46 Baró F, Camacho DA, Pérez del Pulgar C, **Triguero-Mas M**, Anguelovski I. (2021) School greening: right or privilege? Examining urban nature within and around primary schools through an equity lens. *Landscape and Urban Planning*. 208:104019, 1-11 (<https://doi.org/10.1016/j.landurbplan.2020.104019>).
- 45 Oscilowicz E, Honey-Roses J, Anguelovski I, **Triguero-Mas M\***, Cole H\* (**coordinating co-author**) (2020). Young families and children in gentrifying neighbourhoods: How gentrification reshapes use and perception of green play spaces. *Local environment*, 25:10, 765-786 (<https://doi.org/10.1080/13549839.2020.1835849>).
- 44 **Triguero-Mas M**, Anguelovski I, Cirac-Claveras J, Connolly J, Vazquez A, Urgell-Plaza F, Cardona-Giralt N, Sanyé-Mengual E, Alonso J, Cole H (2020) Quality of life benefits of urban rooftops gardening for people with intellectual disability or mental health disorders. *Prev Chronic Disease*, V17: E126, 1-13 (<http://dx.doi.org/10.5888/pcd17.200087>).
- 43 Watson C, Nieuwenhuijsen MJ, **Triguero-Mas M**, Cirach M, Maas C, Gidlow C, Kruize H, Andrusaityte S, Grazuleviciene R, Zijlema WL (2020) The association between natural outdoor environments and common somatic symptoms. *Health and Place*, 64:102381, 1-13 (<https://doi.org/10.1016/j.healthplace.2020.102381>).
- 42 Cole HVS, Anguelovski I, Baró F, Garcia-Lamarca M, Kotsila P, Pérez-del-Pulgar C, Shokry G, **Triguero-Mas M**. (2020) The Covid-19 Pandemic: Power and privilege, gentrification, and urban environmental justice in the global North. *Cities & Health*, 1-5 (<https://doi.org/10.1080/23748834.2020.1785176>). [Commentary & debate]
- 41 Vert C, Gascon M, **Triguero-Mas M**, Ranzani O, Márquez S, Carrasco G, Arjona L, Koch S, Llopis M, Donaire-Gonzalez D, Elliot LR, White M, Fleming LE, Nieuwenhuijsen M (2020). Physical and mental health effects of repeated short walks in a blue space environment: a randomised crossover study. *Enviro Res*, 188: 109812, 1-15 (<https://doi.org/10.1016/j.envres.2020.109812>).
- 40 Anguelovski I, Brand AL, Connolly JTT, Corbera E, Kotsila P, Steil J, Garcia-Lamarca M, **Triguero-Mas M**, Cole H, Baró F, Langemeyer J, Pérez del Pulgar C, Shokry G, Sekulova F, Agüelles Ramos L (2020) Expanding the boundaries of justice in urban greening scholarship: Towards an emancipatory, antisubordination, intersectional, and relational approach. *Annals of the American Association of Geographers*, V110:6, 1743-1769 (<https://doi.org/10.1080/24694452.2020.1740579>).
- 39 Zijlema W, **Triguero-Mas M**, Cirach M, Gidlow C, Kruize H, Grazuleviciene R, Nieuwenhuijsen M, Litt J. (2020). Understanding correlates of neighborhood aesthetic ratings: a European-based four city comparison. *Urban Forestry & Urban Greening*, 47: 126523, 1-12 (<https://doi.org/10.1016/j.ufug.2019.126523>).
- 38 Kondo MC & **Triguero-Mas M (1st author co-authorship)**, Donaire-Gonzalez D, Seto E, Valentín A, Hurst G, Carrasco-Turigas G, Masterson D, Ambrós A, Dedele A, Ellis N, Grazulevicius T, Swart W, Davis N, Maas J, Jerret M, Gražulevičienė R, Gidlow CJ, Nieuwenhuijsen MJ. (2020) Momentary mood response to natural outdoor environments in four European cities. *Environment International*, 134: 105237, 1-9 (<https://doi.org/10.1016/j.envint.2019.105237>).
- 37 Kruize H, van Kamp I, van den Berg M, van Kempen E, Wendel-Vos W, Ruijsbroek A, Swart W, Maas J, Gidlow C, Smith G, Ellis N, Hurst G, Masterson D, **Triguero-Mas M**, Cirach M, Gražulevičienė R, van den Hazel P, Nieuwenhuijsen M. (2020) Exploring mechanisms underlying the relationship between the natural outdoor environment and health and well-being - Results from the PHENOTYPE project. *Environment International*, 134: 105173, 2-10 (<https://doi.org/10.1016/j.envint.2019.105173>).
- 36 **Triguero-Mas M**, Martínez-Solanas È, Barrera-Gómez J, Agis D, Pérez N, Reche C, Alastuey A, Querol X, Pérez K, Basagaña X. (2019). Public transport strikes and their relationship with air pollution, mortality and hospital admissions. *American Journal of Epidemiology*, 189: 2, 116-119 (<https://doi.org/10.1093/aje/kwz202>).
- 35 Anguelovski I, **Triguero-Mas M**, Connolly JTT, Kotsil P, Shokry G, Pérez Del Pulgar C, Garcia-Lamarca M,

- Argüelles L, Mangione J, Dietz K, Cole H (2019) Gentrification and health in two global cities: a call to identify impacts for socially-vulnerable residents. *Cities & Health*, 4:1, 40-49. (<https://doi.org/10.1080/23748834.2019.1636507>) [Commentary]
- 34 Preuss M, Nieuwenhuijsen M, Marquez S, Cirach M, Dadvand P, **Triguero-Mas M**, Gidlow C, Grazuleviciene R, Kruize H, Zijlema W (2019) Low childhood nature exposure is associated with worse mental health in adulthood. *Int J Environ Res Public Health* 16(10), 1809, 1-18 (doi:10.3390/ijerph16101809)
- 33 Zijlema W, Christian H, **Triguero-Mas M**, Cirach M, van den Berg M, Maas J, Gidlow C, Kruize H, Wendel-Vos W, Andrusaityte S, Grazuleviciene R, Litt J, Nieuwenhuijsen MJ. (2019) Dog ownership, the natural outdoor environment and health: a cross-sectional study. *BMJ Open* 9:5, e023000, 1-10 (doi:10.1136/bmjopen-2018-023000)
- 32 Cole HVS, **Triguero-Mas M**, Connolly JJT, Anguelovski I (2019) Determining the health benefits of green space: Does gentrification matter? *Health & Place*. V57: 1-11 (<https://doi.org/10.1016/j.healthplace.2019.02.001>)
- 31 van den Berg M, van Poppel M, van Kamp I, Ruijsbroek A, **Triguero-Mas M**, Gidlow C, Nieuwenhuijsen MJ, Grazuleviciene R, van Mechelen W, Kruize H, Maas J. (2019). Do physical activity, social cohesion, and loneliness mediate the association between time spent visiting green space and mental health? *Environment and Behavior*. Vol. 51(2) 144–166 (DOI: 10.1177/0013916517738563)
- 30 Zijlema W, Avila-Palencia I, **Triguero-Mas M**, Gidlow C, Maas J, Kruize H, Andrusaityte S, Grazuleviciene R, Nieuwenhuijsen MJ (2018) Active commuting through natural environments is associated with better mental health: Results from the PHENOTYPE Project. *Environment International*; V121, part 1: 721-727 (<https://doi.org/10.1016/j.envint.2018.10.002>)
- 29 Anguelovski I, Cole H, Connolly J, **Triguero-Mas M** (2018). Do green neighbourhoods promote urban health justice? *Lancet Public Health*, 3(6):e270 [Correspondence]
- 28 Gidlow CJ, Maas J, **Triguero-Mas M**, Ellis N, Masterson D, van den Berg M, van Kempen E, Smith G, Kruize H, Swart W, Grazuleviciene R, Hurst G, Dedele A, Cirach M, Nieuwenhuijsen MJ (2018). Development of the Natural Environment Scoring Tool (NEST). *Urban Forestry & Urban Greening*, 29, 322-333 (<https://doi.org/10.1016/j.ufug.2017.12.007>)
- 27 Basagaña X, **Triguero-Mas M**, Agis D, Pérez N, Reche C, Alastuey A, Querol X. (2018). Effect of public transport strikes on air pollution levels in Barcelona (Spain). *Sci Total Environ*; 610-611: 1076-1082 (<http://dx.doi.org/10.1016/j.scitotenv.2017.07.263>)
- 26 Cole H, **Triguero M**, Connolly JJT, Anguelovski IA (2017) Longitudinal and Spatial Analysis Assessing Green Gentrification in Historically Disenfranchised Neighborhoods of Barcelona: Implications for Health Equity. *Journal of Transport and Health*. 5: Supplement, S44 (<https://doi.org/10.1016/j.jth.2017.05.333>) [Conference abstract]
- 25 van den Berg M, van Poppel M, Smith G, **Triguero-Mas M**, Andrusaityte S, van Kamp I, van Mechelen W, Gidlow C, Grazuleviciene R, Nieuwenhuijsen MJ, Kruize H, Maas J. (2017). Does time spent on visits to green space mediate the associations between the level of residential greenness and mental health? *Urban Forestry & Urban Greening*; 25, 94-102 (<http://dx.doi.org/10.1016/j.ufug.2017.04.010>)
- 24 **Triguero-Mas M**, Donaire-Gonzalez D, Seto E, Valentín A, Smith G, Carrasco-Turigas G, Masterson D, van den Berg M, Ambròs A, Martínez-Íñiguez T, Dedele A, Grazulevicius T, Voorsmit M, Cirach M, Cirac-Claveras J, Wendel-Vos W, Jerret M, Gražulevičienė R, Kruize H, Gidlow CJ, Nieuwenhuijsen MJ. (2017). Living close to natural outdoor environments in four European cities: adults' contact with the environments and physical activity. *Int J Environ Res Public Health*; 14 (10), 1162, 1-21 (doi:10.3390/ijerph14101162)
- 23 **Triguero-Mas M**, Donaire-Gonzalez D, Seto E, Valentín A, Martínez D, Smith G, Hurst G, Carrasco-Turigas G, Masterson D, van den Berg M, Ambròs A, Martínez-Íñiguez T, Dedele A, Ellis N, Grazulevicius T, Voorsmit M, Cirach M, Cirac-Claveras J, Swart W, Clasquin E, Ruijsbroek A, Maas J, Jerret M, Grazuleviciene R, Kruize H, Gidlow CJ, Nieuwenhuijsen MJ. (2017). Natural outdoor environments and mental health: stress as a possible mechanism. *Environ Res*; 159: 629-638 (<http://dx.doi.org/10.1016/j.envres.2017.08.048>)
- 22 Mueller N, Rojas-Rueda D, Basagaña X, Cirach M, Cole-Hunter T, Dadvand P, Donaire-Gonzalez D, Foraster M, Gascon M, Martinez D, Tonne C, **Triguero-Mas M**, Valentín A, Nieuwenhuijsen MJ. (2017). Health impacts related

to urban and transport planning: A burden of disease assessment. *Environ Int*; 107: 243-257 (<http://dx.doi.org/10.1016/j.envint.2017.07.020>)

21 Markevych I, Schoierer J, Hartig T, Chudnovsky A, Hystad P, Dzhambov AM, de Vries S, **Triguero-Mas M**, Brauer M, Nieuwenhuijsen MJ, Lupp G, Richardson EA, Astell-Burt T, Dimitrova D, Feng X, Sadeh M, Standl M, Heinrich J, Fuertes E. (2017). Exploring pathways linking greenspace to health: Theoretical and methodological guidance. *Environ Res*; 158: 301-317 (<http://dx.doi.org/10.1016/j.envres.2017.06.028>)

20 Jerret M, Donaire-Gonzalez D, Popoola O, Jones R, Cohen RC, Almanza E, de Nazelle A, Mead I, Carrasco-Turigas G, Cole-Hunter T, **Triguero-Mas M**, Seto E, Nieuwenhuijsen MJ. (2017). Validating novel air pollution sensors to improve exposure estimates for epidemiological analyses and citizen science. *Environ Res*; 158: 286-294 (<http://dx.doi.org/10.1016/j.envres.2017.04.023>)

19 Ruijsbroek A, Mohnen SM, Droomers M, Kruize H, Gidlow C, Gražulevičiene R, Andrusaityte S, Maas J, Nieuwenhuijsen MJ, **Triguero-Mas M**, Masterson D, Ellis N, van Kempen E, Hardyns W, Stronks K, Groenewegen PP. (2017). Neighbourhood green space, social environment and mental health: an examination in four European cities. *Int J Public Health*; 62: 657-667 (doi:10.1007/s00038-017-0963-8)

18 Zijlema WL, **Triguero-Mas M**, Smith G, Cirach M, Martinez D, Dadvand P, Gascon M, Jones M, Gidlow C, Hurst G, Masterson D, Ellis N, van den Berg M, Maas J, van Kamp J, van den Hazel P, Kruize H, Nieuwenhuijsen MJ, Julvez J. (2017). The relationship between natural outdoor environments and cognitive functioning and its mediators. *Environ Res*; 155: 268-275 (<http://dx.doi.org/10.1016/j.envres.2017.02.017>)

17 **Triguero-Mas M**, Gidlow CJ, Martínez D, de Bont J, Carrasco-Turigas G, Martínez-Íñiguez T, Hurst G, Masterson D, Seto E, Jones MV, Nieuwenhuijsen MJ. (2017). The effect of randomised exposure to different types of natural outdoor environments compared to exposure to an urban environment on people with indications of psychological distress in Catalonia. *PLoS One*; 12(3): e0172200 (DOI:10.1371/journal.pone.0172200)

16 Nieuwenhuijsen MJ, Khreis H, **Triguero-Mas M**, Gascon M, Dadvand P. (2017). Fifty shades of green; pathway to a healthy urban living. *Epidemiology*; 28(1): 63-71 (DOI: 10.1097/EDE.0000000000000549)

15 Mueller N, Rojas-Rueda D, Basagaña X, Cirach M, Cole-Hunter T, Dadvand P, Donaire-Gonzalez D, Foraster M, Gascon M, Martinez D, Tonne C, **Triguero-Mas M**, Valentín A, Nieuwenhuijsen M. (2017). Urban and transport planning related exposures and mortality: a health impact assessment for cities. *Environ Health Perspect*; 125(1): 89-96 (<http://dx.doi.org/10.1289/EHP220>)

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- 3 Dadvand P, de Nazelle A, **Triguero-Mas M**, Schembari A, Cirach M, Amoly E, Figueras F, Basagaña X, Ostro B, Nieuwenhuijsen MJ. (2012). Surrounding Greenness and Exposure to Air Pollution During Pregnancy: An Analysis of Personal Monitoring Data. *Environ Health Perspect*; 120(9): 1286–90 (<http://dx.doi.org/10.1289/ehp.1104609>)
- 2 Olomí-Solà M, Zorondo-Rodríguez F, **Triguero-Mas M**, Jha N, Reyes-García V. (2012). Local Residents' Knowledge about Protected Areas: A Case Study in Dandeli Wildlife Sanctuary, India. *Society & Natural Resources*; 25(4): 410-420 (<http://dx.doi.org/10.1080/08941920.2011.591034>)
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## BOOKS AND BOOK CHAPTERS

**Triguero-Mas M**, Kellogg WA. “Is Cleveland’s vision of a ‘green city on a blue lake’ a path for social equity or green gentrification?” in “City and Social Injustice: 21 Tales from North America and Europe”. Eds. Isabelle Anguelovski and James Connolly. Routledge. In press.

**Triguero-Mas M**, Fontán-Vela M, Dommerholt T. “Can community mobilization be inclusive of the Black population in its fight against green gentrification?” in “City and Social Injustice: 21 Tales from North America and Europe”. Eds. Isabelle Anguelovski and James Connolly. Routledge. In press.

Kotsila P, Oscilowicz E, Sekulova F, **Triguero-Mas M**, Honey-Rosés J, Anguelovski I. “Barcelona’s greening paradox as an emerging global city and tourism destination” in “City and Social Injustice: 21 Tales from North America and Europe”. Eds. Isabelle Anguelovski and James Connolly. Routledge. In press.

## OTHER PUBLICATIONS (Click on the title to access those available online)

BCNUEJ “Research summary. Research on urban justice in Barcelona 2017-2021 for policymakers and planners” 2021

**Triguero-Mas M.** “Transitioning to sustainable mobility with equity and just lenses: how to prevent environmental gentrification and enhance social equity?” in “Urban Mobility after Covid-19: Long-term strategies for the sustainable mobility transition in European cities”. Eds. Hannah Abdullah and Eloi Serrano Robles. CIDOB. 2021.

Valdivia B, **Triguero-Mas M**, Cole H, Anguelovski I. “La salud de las mujeres en Sants-Montjuïc antes de la pandemia de covid-19 y en la actualidad: la importancia de los Jardins de la Rambla de Sants y los procesos de gentrificación y turistificación de los barrios colindantes” [Women’s health in Sants-Monjuïc before the Covid-19 pandemic and nowadays: the importance of Jardins de la Rambla de Sants and gentrification and touristification processes]. Barcelona Laboratory for Urban Environmental Justice and Sustainability, 2021.

Oscilowicz E, Lewartowska E, Levitch A, Luger J, Hajtmarova S, O’Neill E, Planas Carbonell A, Rivera Blanco C, Monroe E, Anguelovski I, Argüelles Ramos L, Baró F, Calderón Argelich A, Camacho D, Christensen H, Connolly J, Dommerholt T, Gallez E, García Lamarca M, Honey-Rosés J, Kotsila P, Matheney A, Neidig J, Pérez del Pulgar C, Sekulova F, Shokry G, Maia AT, **Triguero-Mas M**, Ullstrom S, Wahlund M. “Policy and planning tools for urban green justice”. Barcelona Laboratory for Urban Environmental Justice and Sustainability, 2021

Shokry G, Anguelovski I (leading authors). Other contributing authors (in alphabetical order): Amorim-Maia AT, Argüelles L, Baró F, Calderón-Argelich A, Cole H, Connolly J, Matheney AG, Kotsila P, García-Lamarca M, Langemeyer J, Lewartowska E, Oscilowicz E, Pérez del Pulgar C, Sekulova F, **Triguero-Mas M**. “Bringing nature back to the metropolis for all”. In: Metropolis Observatory. Issue Paper #12. 2021

Cirac-Claveras J, **Triguero-Mas M**, Connolly J, Cole H, Sanyé-Mengual E, Anguelovski I. “Estudi avaluatiu del programa d'hortos en terrats de l'Ajuntament de Barcelona per a persones amb discapacitat intel·lectual i/o problemàtiques derivades de la salut mental”[Evaluation of the Barcelona Town Council rooftop gardens program for people with intellectual disability or mental health disorders]. Barcelona Laboratory for Urban Environmental Justice and Sustainability, 2018.

**Triguero-Mas M.** “Planificación urbana y salud” in “La renaturalització de la ciutat” [Renaturalizing the city]. Ed. Diputació de Barcelona. Barcelona: 2019

**Triguero-Mas M**, Cole H, Anguelovski I, Connolly JJT, Nieuwenhuijsen MJ. “Espacios verdes y salud en Barcelona: revisión de la evidencia más reciente”. 2017.

**Triguero-Mas M.** “Natural outdoor environments and adults’ health: associations, effect modifiers and mediators”. Pompeu Fabra University. 2017

## **R&D CONTRACTS, RESEARCH PROJECTS AND GRANTS**

2021-2021	Strengthening the impact of public spaces to improve health and wellbeing in Barcelona: an intersectional feminist approach (FEMPUBLIC). (2021-ongoing) Barcelona Town Council Scientific research award “COVID funds” <ul style="list-style-type: none"> <li>• <b>Competitive call</b></li> <li>• PI: Margarita Triguero-Mas, Helen Cole</li> <li>• 97 831 euros</li> </ul>	<b>Co-PI</b>
2020-ongoing	Dones Jardin - Health of women in Sants-Montjuïc: the importance of public space and gentrification pre/post Covid-19 outbreak (2020-2021) Serveis de Gènere i Polítiques del Temps - Barcelona Town Council <ul style="list-style-type: none"> <li>• Non-competitive contract.</li> <li>• PI: Margarita Triguero-Mas, Helen Cole</li> <li>• 6 researchers from UAB-ICTA.</li> <li>• 7 480 euros</li> </ul>	<b>Co-PI</b>
2016-ongoing	GREENLULUS – Green Locally Unwanted Land Uses (2016-2021) <b>European Research Council, H2020</b> <ul style="list-style-type: none"> <li>• Competitive call.</li> </ul>	<b>Scientific co-coordinator of the quantitative sub-study.</b> Postdoctoral (2018-) and

	<ul style="list-style-type: none"> <li>• PI: Isabelle Anguelovski.</li> <li>• 11 researchers from UAB-ICTA.</li> <li>• 1 453 868 euros</li> </ul>	associated researcher (2016-2018)
2018	<p>Rooftop Gardens - Inclusion, health, and well-being for socially vulnerable participants: The Municipality of Barcelona rooftop garden programs for people with disabilities (2018). Institut Municipal de Persones amb Discapacitat (IMPD) -Barcelona Town Council</p> <ul style="list-style-type: none"> <li>• Non-competitive contract.</li> <li>• PI: Isabelle Anguelovski, Margarita Triguero-Mas</li> <li>• 6 researchers from UAB-ICTA.</li> <li>• 7 500 euros</li> </ul>	<b>Co-PI</b>
2018-2021	<p>Hälsosamma omgivningsmiljöer [Healthy environmental environments] (2018-2021). <b>Swedish Research Council for Health Working Life and Welfare</b></p> <ul style="list-style-type: none"> <li>• Competitive call.</li> <li>• PI: Mare Lohmus (Karolinska Institute).</li> <li>• 8 researchers from Karolinska Instutet (Sweden) and Umeå University (Sweden).</li> <li>• 556 271.03 euros</li> </ul>	Postdoctoral collaborator
2018-2020	<p>ATENC!Ó - Citizens' science to analyse the effect of pollution on the cognitive function of adolescents (2018-2020). <b>RecerCaixa</b></p> <ul style="list-style-type: none"> <li>• Competitive call.</li> <li>• PI: Xavier Basagaña and Digna Couso (ISGlobal and CRECIM)</li> <li>• 11 researchers from ISGlobal and CRECIM (Spain).</li> <li>• 99 362.40 euros</li> </ul>	Postdoctoral collaborator
2017-2018	<p>Direct effects of climate on health in Mozambique (DECHM) (2017-2018). <b>ISGlobal internal funding</b></p> <ul style="list-style-type: none"> <li>• Non-competitive call.</li> <li>• PI: Xavier Basagaña (ISGlobal).</li> <li>• 16 researchers from ISGlobal and Centro de Investigação em saúde de Manhica (Mozambique).</li> <li>• 48 837 euros</li> </ul>	Postdoctoral researcher
2012-2017	<p>PHENOTYPE - Positive Healthy Effects of the Natural Outdoor environment in TYPical Populations of different regions in Europe (2012-2017). <b>European Comission (FP7-ENV)</b></p> <ul style="list-style-type: none"> <li>• Competitve call.</li> <li>• PI and coordinator: Mark J. Nieuwenhuijsen (CREAL/ISGlobal).</li> <li>• 48 researchers from CREAL/ISGlobal, National Institute for Public Health and the Environment (The Netherlands), Staffordshire University (UK), Vytauto Didziojo Universitetas (Lithuania), University of Geneva (Switzerland), Vereniging voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en patientzorg (The Netherlands), Public health services Gelderland Midden (The Netherlands), University of California Berkeley (USA).</li> <li>• 3 499 403 euros</li> </ul>	<b>National fieldwork coordinator.</b> Predoctoral researcher
2008-2012	<p>ICEPURE - The Impact of Climatic and Environmental factors on Personal Ultraviolet Radiation Exposure (2008-2012).</p>	<b>National fieldwork coordinator.</b> Research

## European Commission (FP7)

assistant

- Competitive call.
- PI: Mark J. Nieuwenhuijsen (CREAL). Coordinator: Anthony R. Young. (King's College London).
- 26 researchers from CREAL, Bispebjerg Hospital (Denmark), King's College (UK), University of Veterinary Medicine (Austria), Medical University of Lodz (Poland), Danish Meteorological Institute (Denmark).
- 3 497 616 euros

2008-2009 ARIBA – Air pollution and Reproduction In BARcelona (2008-2009).  
**Spanish Ministry of Economy and Competitiveness (MINECO)**

**Local fieldwork coordinator.** Research assistant

- Competitive call.
- PI: Mark J. Nieuwenhuijsen.
- 5 researchers from CREAL.

## INTERNATIONAL FIELDWORK AND STAYS IN RESEARCH CENTRES

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Fieldwork site: **Portland, US.** From 29th June to 25th July 2019. Post-doctoral research fieldwork.

Fieldwork site: **Denver, US.** From 15<sup>th</sup> to 29<sup>th</sup> June 2019. Post-doctoral research fieldwork.

Fieldwork site: **Cleveland, US.** From 21<sup>st</sup> May to 15<sup>th</sup> June 2019. Post-doctoral research fieldwork.

Research stay: **Centro de Investigação em saúde de Manhica (CISM). Manhica, Mozambique.** From 20th November to 13th December 2017. Post-doctoral stay.

Research stay: **Staffordshire University. Stoke-on-Trent, United Kingdom.** From 15th September to 21st December 2014. Doctoral stay.

Research stay: **Bispebjerg Hospital. Copenhagen, Denmark.** From 25th to 29th January 2010. Stay as a guest research assistant under training.

Fieldwork site: **Dandeli (Karnataka), India.** From 2<sup>nd</sup> February 2008 to 18<sup>th</sup> May 2008. Undergraduate research fieldwork.

## GENERAL TEACHING EXPERIENCE

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*Instructor*, “Interdisciplinary approaches to Planetary health” course for the **Master’s Degree** in Planetary Health (Open University Catalonia, UOC). October-February 2021.

*Instructor*, “Planetary health: answering the challenges of the Anthropocene” course for the **Master’s Degree** in Planetary Health (Open University Catalonia, UOC). October-February 2021.

*Instructor*, “Gentrification and health – what about green gentrification?” course for the **Master’s Degree** in Public Health (University of Michigan). October 2021.

*Instructor*, “Nature based solution” for the **postgraduate degree** in Architecture and Health from Sert School (Catalonia Architects Association, COAC). June 2021.

*Guest lecturer*, “Public health and urban environment” for the **Master’s Degree** in Research on health and quality of life from Illes Balears University (UIB). 14<sup>th</sup> May 2021.

*Co-organizer and co-Instructor*, “Post Covid public space transformations” workshop for the **Master’s Degree** in International Cooperation: Sustainable Emergency Architecture from International University of Catalonia (UIC). December 2020.

*Co-Instructor*, “Political ecology” for the **Master’s Degree** in Interdisciplinary Studies in Environmental, Economic and Social Sustainability from Autonomous University of Barcelona (UAB) (session titled “Urban health and

Environmental Justice”). January 2020.

*Co-Instructor*, “Urban environmental justice” for the **Master’s Degree** in Political Ecology from Autonomous University of Barcelona (UAB) (session titled “Urban health and Environmental Justice”). November 2019.

*Instructor*, “Environmental epidemiology and risks management” for the **Undergraduate degree** in Environmental Science from Autonomous University of Barcelona (UAB) (session titled “Nature and human health”). March 2018, March 2017.

*Instructor*, “Global Urban Lab” for the **Undergraduate degree** students from Rice University (session titled “Sustainable urban planning”). 13<sup>th</sup> March 2017.

*Guest lecturer*, “Lecturers and professional practice” for the **Master’s Degree** in Landscaping from Polytechnic University of Catalonia (UPC) (session titled “Natural spaces and our health”). November 2016.

*Instructor*, “Environmental health” for the **Undergraduate degree** in Environmental Science from Autonomous University of Barcelona (UAB) (session titled “Nature and human health”). March 2016.

*Instructor*, “Biophilic cities: renaturalization to regenerate cities” for the **Technical course** from Barcelona Menéndez Pelayo International University (CUIMPB-Centre Ernest Lluch) (session titled “Urban planning and health: green and blue spaces”). November 2015.

*Instructor*, “Scientific evidence on nature health benefits” for the **Postgraduate course** in Nature as a place to learn: outdoor learning projects from King Juan Carlos University from Madrid. November 2015.

## **SUPERVISORY EXPERIENCE**

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### **Doctoral theses:**

2020-Ongoing: Breton-Carbonneau AC. **PhD thesis, co-supervisor**. Autonomous University of Barcelona (Spain). PhD in Environmental Science and Technology.

### **Master theses:**

2021-Ongoing: Cuenca Cuenca V. **Master thesis, co-supervisor**. Pompeu Fabra University (Spain). Public health master.

2020- Ongoing: Rodgman M. **Master thesis, co-supervisor**. University Bremen (Germany). Masters in Ecology.

2020-2021: Manzano Espriu X. **Master thesis, co-supervisor**. Autonomous University of Barcelona (Spain). Interdisciplinary Studies in Environmental, Economic and Social Sustainability master.

2020-2021: Sánchez Valdivia MI. **Master thesis, co-supervisor**. Pompeu Fabra University (Spain). Public health master.

2019-2020: O’Neill E. **Master’s thesis, co-supervisor** Autonomous University of Barcelona (Spain). Interdisciplinary Studies in Environmental, Economic and Social Sustainability master.

2019-2020: Zayas M. **Master’s thesis, co-supervisor**. Pompeu Fabra University (Spain). Public health master.

2018-2019: Soueid L. **Master’s thesis, co-supervisor** Pompeu Fabra University (Spain). Public health master.

2013-2014: Avila Palencia I. **Master’s thesis, co-supervisor**. Pompeu Fabra University (Spain). Public health master.

### **Final degree theses:**

2019-2020: Labrado A. **Final degree thesis, co-supervisor**. Barcelona University (Spain). Biomedical sciences degree.

2018-2019: Roset Pérez B, Estrada Teve I. **Final degree thesis, co-supervisor**. Autonomous University of Barcelona (Spain). Environmental Sciences degree.

2013-2014: García Martínez, L. **Final degree thesis, supervisor**. Vic University (Spain). Environmental Sciences degree.

### **Internships:**

2021-Ongoing: Bisjak HK. Degree internship. Leuphana University (Germany). Global Environmental and Sustainability studies and psychology.

2021-Ongoing: Ghira Z. PhD internship co-supervision. University of Sassari (Italy). Architecture and environment.

2021-Ongoing: Iordanoglou M. Master internship co-supervision. Autonomous University of Barcelona (Spain). Interdisciplinary Studies in Environmental, Economic and Social Sustainability master.

2021- Ongoing: Lewartowska E. Master internship co-supervision. Roskilde University (Denmark). International Development and Global studies master.

2020-Ongoing: Chica Castells L. Master internship co-supervision. Autonomous University of Barcelona (Spain). Interdisciplinary Studies in Environmental, Economic and Social Sustainability master.

2020-Ongoing: Bretschko S. Master internship co-supervision. Lund University (Sweden). Master in Environmental Studies and Sustainability.

2020- 2021: Bueno A. Master internship co-supervision. University of Amsterdam (The Netherlands). Master's in urban studies.

2020-2021: Rodgman M. Master internship co-supervision. University Bremen (Germany). Masters in Ecology.

2019-2020: Fontán Vela M. Medical Residency Research Rotation co-supervision. Alcalá University, National Medical School (Spain). Medicine degree.

2018-2019: Wahlund M. Master internship co-supervision. Lund University (Sweden). Human geography master.

2013-2014: Wright, M. Degree internship. The University of Sheffield (UK). Biomedical Sciences degree.

2013-2014: Korta, J. Degree internship. The University of Sheffield (UK). Biochemistry degree.

2012-2013: García Martínez L. Degree internship. Vic University (Spain). Environmental Sciences degree.

2011-2012: Castañeda Menacho G. Degree internship. Autonomous University of Barcelona (Spain). Environmental Sciences degree.

2010-2011: García, M. Degree internship. Autonomous University of Barcelona (Spain). Environmental Sciences degree.

2010-2011: Álvarez, S. Professional training internship. Institut Rubió i Tudurí (Spain). Profesional training on management and organization of natural resources and landscaping.

### **Other substantial doctoral student advising:**

2020-Ongoing: Calderón-Argelich A. **PhD thesis, co-developer** (co- supervision of one of the papers). Autonomous University of Barcelona, Spain. PhD in Environmental Science and Technology

2016-Ongoing: Pérez del Pulgar Frowein C. **PhD thesis, co-developer** (main supervision of one of the papers). Autonomous University of Barcelona, Spain. PhD in Environmental Science and Technology

2016-2020: Vert C. **PhD thesis, co-developer** (co-supervision of one of the papers). Pompeu Fabra University,

Spain. PhD in Biomedicine.

### **Other substantial master student advising:**

2021-Ongoing: Chica Castells L. **Master's thesis, co-developer**. Autonomous University of Barcelona (Spain). Interdisciplinary Studies in Environmental, Economic and Social Sustainability master.

2020-2021: Glenton J. **Master's thesis, co-developer**. University of Oslo, Norway. Social Anthropology master.

2019-2020: Oscilowicz E. **Master's thesis, co-developer**. The University of British Columbia, Canada. Masters of community and regional planning.

## **EVALUATION EXPERIENCE**

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- Examiner of 1 PhD thesis protocol: Biomedicine – Pompeu Fabra University (1 in 2021).
- KU Leuven (University of Leuven, Belgium) competitive grants evaluation (2021)
- Examiner of 8 Master's theses: Public Health - Pompeu Fabra University (7 in 2020), Interdisciplinary Studies in Environmental, Economic and Social Sustainability – Autonomous University of Barcelona (1 in 2019).
- Examiner of 1 final degree thesis: Environmental sciences – Autonomous University of Barcelona (1 in 2019).

## **ORGANIZATION OF R&D ACTIVITIES**

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- **Organizer of scientific seminar series.** “Environmental justice, urban planning and public health”. Convening entity: MIT, and BCNUEJ-UAB-ICTA-IMIM. Dates: 10<sup>th</sup> February 2021-Ongoing.
- **Research coordinator of international webinars.** “Nature and health”. Convening entity: Girona University (UdG). Dates: 2021.
- **Co-organizer of a workshop with national experts.** “Gentrification and health”. Convening entity: BCNUEJ-UAB-ICTA-IMIM, ASPB, CED. Type of entity: State agency. City convening entity: Barcelona, Spain. Date: 6<sup>th</sup> February 2020.
- **Coordinator of workshop with international experts.** “Nature to plan healthy and equitable urban settlements”. Convening entity: ISGlobal. Type of entity: State agency. City convening entity: Barcelona, Spain. Date: 13<sup>th</sup> February 2017.

## **EDITORIAL ACTIVITY**

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- Associate editor for People and nature (2020 – ongoing)
- Guest editor for IJERH Special Issue on the health benefits of nature exposure and green exercise [https://www.mdpi.com/journal/ijerph/special\\_issues/\\_NEGE\\_\(In process, 2021\)](https://www.mdpi.com/journal/ijerph/special_issues/_NEGE_(In process, 2021))
- Peer-review of– between others-: Applied Geography, Ecology & Society, Environmental Health Perspectives, Environmental pollution, Environmental Research, Health & Place, International Journal of Public Health, Journal of exposure science and environmental epidemiology, Nature Sustainability, Science of the Total Environment, Social Science and Medicine, The Lancet Planetary Health, Urban Forestry and Urban Greening.

## **PAST OR CURRENT PROFESSIONAL AFFILIATIONS**

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American Public Health Association (2020-ongoing), International Society for Environmental Epidemiology (2015-2017, 2018-2019), Environmental Scientists school (2008-2015).

## **WORKS SUBMITTED AND PRESENTED AT NATIONAL OR INTERNATIONAL CONFERENCES**

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“Natural outdoor environments, gentrification and health of underprivileged neighborhood residents in five cities from the Global North”. Name of the conference: EDRA 52- Detroit! Just Environments: Transdisciplinary Border Crossing. Type of event: Conference. Type of participation: Participatory – symposium speaker. City of event: Detroit, US (virtual). 2nd May 2021.

“PHENOTYPE project: human health and greenspaces”. Name of the conference: XVIII Spanish National forestry congress. Type of event: Congress. Type of participation: Participatory – **Invited speaker**. City of event: Vitoria-Gasteiz, Spain. Online. 21-25 June 2021.

“Gentrification, residential green spaces and mental health in Barcelona (Mental health and greenspace in Barcelona: Are gentrification and social class effect modifiers?)”. Name of the conference: American Public Health Association (APHA) 2020 conference - Creating the Healthiest Nation: Preventing Violence. Type of event: Conference. Type of participation: Participatory – seminar speaker. City of event: San Francisco, US (finally virtual conference due to COVID-19). 26<sup>th</sup> October 2020.

“Quiet zones and gentrification”. Name of the conference: Acusticat. 3<sup>rd</sup> Catalan congress on noise. Type of event: congress. Type of participation: Participatory- **Invited speaker**. City of event: Sant Cugat, Spain (online). 14<sup>th</sup> October 2020.

“Examining the relationship between green space, gentrification and health in New York City”. Name of the conference: Urban Transitions 2018. Integrating urban and transport planning, environment and health for healthier urban living. Type of event: Conference. Type of participation: Participatory - seminar speaker. City of event: Sitges, Spain. 26<sup>th</sup> November 2018.

“Is temperature linked to mortality and hospitalizations in Africa settings?”. Name of the conference: International Society of Environmental Epidemiology Conference 2018 - Addressing Complex Local and Global Issues in Environmental Exposure and Health. Type of event: Conference. Type of participation: Participatory - seminar speaker. City of event: Ottawa, Canada. 28<sup>th</sup> August 2018.

“How public transport strikes affect the health of our citizens. (Mortality and hospital admissions during public transport strikes: Is air pollution changing the association?)”. Name of the conference: International Society of Environmental Epidemiology Conference 2018 - Addressing Complex Local and Global Issues in Environmental Exposure and Health. Type of event: Conference. Type of participation: Participatory – poster. City of event: Ottawa, Canada. 28<sup>th</sup> August 2018.

“Natural environments and health: PHENOTYPE project”. Name of the conference: XXV Congreso de la Asociación Española de Médicos Naturistas. Type of event: Conference. Type of participation: Participatory – **Invited plenary speaker**. City of event: Barcelona, Spain. 21<sup>st</sup> November 2016.

“Natural outdoor environments and mental health: social interactions and stress as possible mechanisms”. Name of the conference: International Society of Environmental Epidemiology Conference 2016 - Old and new risks: challenges for environmental epidemiology. Type of event: Conference. Type of participation: Participatory – poster. City of event: Rome, Italy. 1<sup>st</sup> September 2016.

“Natural environments and health: associations and mechanisms”. Name of the conference: 43rd Congress on National parks and public gardens (Spanish associations of public parks and gardens). Type of event: Conference. Type of participation: Participatory – **Invited plenary speaker**. City of event: Huesca, Spain. 27<sup>th</sup> May 2016.

“Is being in natural outdoor environments associated to mood, mental health, vitality and somatisation?”. Name of the conference: International Society of Environmental Epidemiology 2015 Young Conference Connect to shape the future. Type of event: Conference. Type of participation: Participatory - Plenary speaker. City of event: Utrecht, The Netherlands. 3<sup>rd</sup> November 2015.

“Natural outdoor environments and physical activity”. Name of the conference: International Society of Environmental Epidemiology 2015 Young Conference Connect to shape the future. Type of event: Conference. Type of participation: Participatory – seminar speaker. City of event: Utrecht, The Netherlands. 2<sup>nd</sup> November 2015.

“Natural outdoor environments and physical and mental health”. Name of the conference: International Society of Environmental Epidemiology Conference 2015 Addressing environmental health inequalities. Type of event: Conference. Type of participation: Participatory – seminar speaker. City of event: São Paulo, Brazil. 2<sup>nd</sup> September 2015.

“Green spaces and mood, somatisation, vitality, and mental health”. Name of the conference: International Society of Environmental Epidemiology Conference 2015 Addressing environmental health inequalities. Type of event: Conference. Type of participation: Participatory – seminar speaker. City of event: São Paulo, Brazil. 1<sup>st</sup> September

2015.

“Natural outdoor environments and engagement in physical activity”. Name of the conference: International Society of Environmental Epidemiology Conference 2015 Addressing environmental health inequalities. Type of event: Conference. Type of participation: Participatory – seminar speaker. City of event: São Paulo, Brazil. 1<sup>st</sup> September 2015.

“PHENOTYPE: a project protocol” and “The effect of different types of natural outdoor environments on people with poor mental health in Catalonia”. Name of the conference: ALTER-Net Researchers – Nature and urban wellbeing: nature-based solutions to societal challenges. Type of event: Conference. Type of participation: **Invited plenary speaker** and 2 posters. City of event: Ghent, Belgium. 19<sup>th</sup> May 2015

“Positive health effects of the natural outdoor environment in typical populations of different regions in Europe”. Name of the conference: Interreg IVC - Green infrastructure: concepts, methodologies and application meeting. Type of event: Conference. Type of participation: Participatory – **Invited plenary speaker**. City of event: Barcelona, Spain. 4<sup>th</sup> December 2012

“Urban policies and health determinants: transport and open green/blue spaces”. Name of the conference: Urban - Nexus: Dialogue Café. Type of event: Conference. Type of participation: Participatory – **Invited plenary speaker**. City of event: Barcelona, Spain. 17<sup>th</sup> October 2012

## **WORKS SUBMITTED AND PRESENTED AT NATIONAL OR INTERNATIONAL SEMINARS, WORKSHOPS AND/OR COURSES**

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“Disruptive green landscapes: health inequities and climate injustices”. Name of the event: to-B. Effects of climate change on health and equity. Type of event: Webinar. Reason for participation: **Invited speaker**. City of event: Bologna, Italy (Virtual). Organised by Il Grupo to-B. 28th September 2021.

“Beyond healthy greenspaces: Gentrification and health equity considerations”. Name of the event: Public space research group seminars. Type of event: Seminar series. Reasons for participation: **Invited speaker**. City of event: New York City, US (Virtual). Organised by City University New York (CUNY). 17th September 2021.

“Covid-19 lockdown and nature exposure”. Name of the event: Nature and Health. Innovative practices for an effective integration. Type of event: Seminar series. Reasons for participation: **Invited speaker**. City of event: Girona, Spain (Virtual). Organised by Girona University (UdG) and Nature Conservation Network (XCN). 29th June 2021

“Disruptive green landscapes”. Name of the event: Planning and health equity. Type of event: Seminar. Reasons for participation: **Speaker**. City of event: Barcelona, Spain-Boston, US (Virtual). Organised by DUSP-MIT and BCNUEJ. 1st June 2021

“Cities and health: the role of environment and natural spaces”. Name of the event: Environmental health, unequal health. Type of event: Debate. Reasons for participation: **Invited speaker**. City of event: Palma de Mallorca, Spain. Organised by Caixaforum. La Caixa. 19<sup>th</sup> May 2021.

“Environmental justice in the context of towards less polluted and more liveable cities: Urban access regulations & low-traffic neighbourhoods”. Name of the event: Urban Mobility after Covid-19: Long-term strategies for the sustainable mobility transition in European cities. Type of event: Webinar. Reasons for participation: **Invited speaker** (panel discussion). City of event: Barcelona, Spain. Online. Organised by CIDOB’s Global Cities Programme in collaboration with the Chair for Social Economy at Technocampus – Pompeu Fabra University. 12th-14th April 2021.

“Nature and health: natural spaces and biodiversity”. Name of the event: Urban biodiversity. Promotion and preservation”. Type of event: Course. Reasons for participation: **Invited speaker**. City of event: Barcelona, Spain (online). Organised by Diputació de Barcelona. 18<sup>th</sup> November 2020.

“Measuring gentrification combining social, economic and real estate change”. Name of the event: Gentrification and health workshop. Type of event: Workshop. Reasons for participation: **Invited speaker**. City of event: Barcelona, Spain. Organized by BCNUEJ (UAB-ICTA, IMIM) and Barcelona Public Health Agency (ASPB). 7th February 2020.

“Summary of findings from PHENOTYPE studies and beyond: mediating pathways and moderators”. Name of the event: Exploring pathways linking biodiversity to human health and well-being. Type of event: Workshop. Reasons for participation: **Invited speaker**. City of event: Hanover, Germany. Organised by Helmholtz Centre for Environmental Research – UFZ; German Centre for Integrative Biodiversity Research (iDiv). 25<sup>th</sup>-27<sup>th</sup> September 2019.

“Inclusion, health, and well-being for socially vulnerable participants: The Municipality of Barcelona’s rooftop gardens program for people with disabilities”. Name of the event: IMIM scientific seminars. Type of event: Seminar. Reasons for participation: **Invited speaker**. City of event: Barcelona, Spain. Organised by IMIM. 27<sup>th</sup> January 2019.

“Green space and health: differences by population subgroups”. Name of the event: At “Beyond re-naturing cities: Integrating social justice and health equity in urban greening”. Event of the “Nature & health” seminar series. Official side event of the 11<sup>th</sup> International Forum on Urbanisms (IFOU) Congress 2018: Reframing urban resilience implementation: Aligning sustainability and resilience. Type of event: Workshop. Reasons for participation: **Invited speaker**. City of event: Barcelona, Spain. Organised by IUCN, ICLEI, UAB, ICTA, BCNUEJ, ENT environment & management, IMIM, Somnatura, XCT. 13<sup>th</sup> December 2018.

“Green gentrification and health: the case of New York City”. Name of the event: Health National School seminar (Alcalá University). Type of event: Seminar. Reasons for participation: **Invited speaker**. City of event: Madrid, Spain. Organised by Heart Healthy Hoods project, European Research Council (ERC). 24<sup>th</sup> October 2018.

“Determining the health benefits of urban green spaces: does gentrification matter?” Name of the event: Competing for urban space - neighbourhood change and population dynamics. Type of event: Conference. Reasons for participation: **Invited speaker**. City of event: Cerdanyola del Vallès, Spain. Organised by Centre d’Estudis Demogràfics (CED), MOVIPOL project, Economy Industry and competitiveness ministry. 11<sup>th</sup> July 2018.

“Green environments and physical activity”. Name of the event: Exploring potential pathways linking greenness and green spaces to health: workshop for experts. Type of event: Workshop. Reasons for participation: **Invited speaker**. City of event: Munich, Germany. 22<sup>nd</sup> September 2016.

“Scientific evidence: how nature benefits our health?” Name of the event: Technical workshop 2016 at Montesquiu Castle (Diputació de Barcelona). Type of event: Course. Reasons for participation: **Invited speaker**. City of event: Montesquiu, Spain. 31<sup>st</sup> May 2016.

“The effect of different types of natural outdoor environments on people with poor mental health in Catalonia”. Name of the conference: 2nd ISGlobal-CREAL PhD Symposium. Type of event: Symposium. Type of participation: Speaker. City of event: Barcelona, Spain. 4<sup>th</sup> November 2015.

“Natural (green) spaces and health”. Name of the event: Iberflora meeting. Type of event: Seminar. Reasons for participation: **Invited speaker**. City of event: Valencia, Spain. 1<sup>st</sup> October 2015.

“Natural outdoor environments and mental and physical health”. Name of the event: CREAL weekly scientific seminar. Type of event: Seminar. Reasons for participation: Speaker. City of event: Barcelona, Spain. 29<sup>th</sup> May 2015.

“Natural (green) spaces and health”. Name of the event: Scientific debates from Barcelona Public Health Agency. Type of event: Workshop. Reasons for participation: **Invited speaker**. City of event: Barcelona, Spain. 26<sup>th</sup> May 2015.

“Natural outdoor environments and mental and physical health”. Name of the event: CREAL air pollution group monthly scientific seminar. Type of event: Seminar. City of event: Barcelona, Spain. 10<sup>th</sup> February 2015.

“The effect of different types of natural outdoor environments on people with mental health problems in Catalonia”. Name of the event: Staffordshire University weekly scientific seminar. Type of event: Seminar. Reasons for participation: Speaker. City of event: Stoke-on-Trent, United Kingdom. 16<sup>th</sup> October 2014.

“Positive health effects of the natural outdoor environment in typical populations of different regions in Europe”. Name of the event: Public health Thursdays at Catalonia Public Health Agency. Type of event: Seminar. Reasons for participation: **Invited speaker**. City of event: Barcelona, Spain. 25<sup>th</sup> March 2013.

“Positive health effects of the natural outdoor environment in typical populations of different regions in Europe”. Name of the event: Barcelona parks and gardens technical seminar. Type of event: Seminar. Reasons for participation: **Invited speaker**. City of event: Barcelona, Spain. 14<sup>th</sup> March 2013.

## SELECTED KNOWLEDGE TRANSFER AND DISSEMINATION ACTIVITIES (Click on the title to access)

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### Newspaper:

- Anguelovski I, Triguero-Mas M, Baró F. “Construir la resiliencia social y Ambiental de Barcelona en tiempos post-Covid-19” [Building social and environmental resilience in Barcelona during post-Covid-19]. 10<sup>th</sup> July 2020
- Anguelovski I, Argüelles L, Cole H, Connolly J, Dietz K, Garcia-Lamarca M, Kotsila P, Leurent T, Mangione J, Pérez del Pulgar C, Shokry G, **Triguero-Mas M** “Gentrificación: un riesgo para la salud” [Gentrification: a risk for our health] in El Periódico. 4th November 2018
- Mueller N, **Triguero-Mas M** “El enemigo no es la Bicicleta” [The enemy is not the bicycle] in El Periódico. 30th January 2018.

### Radio:

- Interviewed in La Cope show “Migdia Cope Catalunya i Andorra”. 22nd May 2020. Featured as part of the story “Viure envoltats d'espais verds és beneficiós per a la nostra salut” [Living nearby green spaces is beneficial for our health]
- Interviewed in Radio Huesca (Cadena Ser) show “Hoy por hoy”. 27th May 2016.

### Television:

- Interviewed in TV2 show “El escarabajo verde”. 19<sup>th</sup> October 2018. Interviewed as part of the story “Sedientos de verde”.
- Featured in Betevé story about PHENOTYPE project experimental study in Barcelona. 2013.

### Blog articles:

- **Triguero-Mas M**, Fontán-Vela M. “Portland’s lauded sustainability still falls short on racial justice” in BCNUEJ (UAB-ICTA-IMIM) blog in collaboration with Unidisciplined Environments political ecology blog (WEGO-Int). 1st June April 2021
- Baró F, Camacho D, Pérez del Pulgar C, **Triguero-Mas M**, Anguelovski I “The privilege of greener schools” in BCNUEJ (UAB-ICTA-IMIM) and UAB Divulga and LASEG blogs. 1st March 2021
- **Triguero-Mas M** “Will Cleveland’s greening efforts perpetuate racial inequalities?” in BCNUEJ (UAB-ICTA-IMIM) blog in collaboration with Unidisciplined Environments political ecology blog (WEGO-Int). 21<sup>st</sup> April 2020
- **Triguero-Mas M** “Green gentrification and the struggles over Denver housing rights” in BCNUEJ (UAB-ICTA-IMIM) blog in collaboration with Unidisciplined Environments political ecology blog (WEGO-Int). 5<sup>th</sup> November 2019
- **Triguero-Mas M**, Toran R “Urban green spaces decrease mortality” in Associació catalana de comunicació científica (Catalan Association of Scientific Communication) blog. 8<sup>th</sup> June 2016.

### Other dissemination talks, seminars and activities:

- Anguelovski I, Baró F, Argüelles Ramos L, Cañizares A, Cole H, Connolly J, Garcia-Lamarca M, Honey-Rosés J, Jimenez L, Kotsila P, López-Gay A, Oscilowicz E, Pérez del Pulgar C, Rivera C, Sekulova F, Shokry G, **Triguero-Mas M** (Research team) “To green or not to green: four stories of urban (in)justice in Barcelona. Bougleux A (Film director). BCNUEJ (UAB-ICTA).
- “Quien quiere volver a una ciudad contaminada? Las ciudades en un escenario post-COVID” [Who wants to get back to the polluted city? Cities after COVID]. Online. Organized by Greenpeace, Spain. 3rd June 2020.
- Avila-Palencia I, Basagaña X, Cabrera A, Carrasco G, Curto A, Dadvand P, Daher C, Eleta I, Fiestas B, Foraster M, Gascon M, Khreis H, Martinez È, Nieuwenhuijsen M, Mueller N, Rojas D, Rubio P, Sarukhan A, Solano M, Sunyer J, Toran R, **Triguero M**, Zijlema W “5 keys to healthier cities”. ISGlobal. 2018
- Interviewed for the book “Baños de bosque, una propuesta de salud” (Instituto DKV de la Vida Saludable), 2017

## SELECTED OTHER COMMUNITY SERVICES

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### Membership:

- Women in Global Health Spanish Chapter, core group
- 500women scientists (<https://request500womenscientists.org/profile/7986>)
- Member of the core group of the “**Taula Salut i Natura de Catalunya**” a transdisciplinary working group that aims to define a communal strategy to work towards human health and nature in Catalonia.

### Activities to build a different academia (Click on the title to access):

- Active participation in the development of a group to address gender and power dynamics at UAB-ICTA (2021-ongoing)
- Active participation in the development of an internal document for the BCNUEJ-UAB-ICTA-IMIM research group and the dissemination of an illustrated brief vignette around care in academia (2019-2020) and on the authorship guidelines for the BCNUEJ-UAB-ICTA-IMIM research group (2019, 2021).
- Participation in reflections around women in academia. “What’s it like to be women in science and academia? We asked our Lab members” published in BCNUEJ blog in English and [in Mujeres Con Ciencia webpage in Spanish]. (19th March 2019).

## OTHER TRAINING (details only for selected courses over 10 hours):

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- Self-skills courses: Peer mentoring in biomedicine (2020); Time management in science: how to get the best out of your day (2020).
- Interpersonal skills courses: Effective team playing to achieve your goals - from bummer to booster (2014); Effective international collaborations: communicating for success (2014).
- Writing courses: Becoming a scientific writer: Putting the 'Why' before the 'How' (2015); Write it clearly: fundamentals of good scientific writing (2012); Methodology of biomedical publications (Introductory course) (2012).
  - Effective writing for biomedical professionals (2015). Type of training: Course. City awarding entity: Oxford, United Kingdom. Awarding entity: **Oxford University**. Duration in hours: 16 hours.
- Speaking courses: Taking your place in the world (2017); But what do you do? How to explain your research to people who know nothing about your science (2012); Illustrate your science talk with imagination (2012); Conference presentation skills (2012).
  - Taking your place in the world (2017). Type of training: Course. City awarding entity: London, United Kingdom. Awarding entity: **Regents University, United Kingdom**. Duration in hours: 16 hours.
- Good practice courses: Science in Action (2012).
- Statistics, GIS courses:
  - **Spatial analysis with R** (2021). Type of training: Course. City awarding entity: Cerdanyola del Vallès, Spain. Awarding entity: Autonomous University of Barcelona, Spain. Duration in hours: 30 hours.
  - **Health in numbers: quantitative methods in clinical and public health research** (2012-2013). Type of training: Course. City awarding entity: Cambridge, United States of America. Awarding entity: **Harvard University**, United States of America. Duration in hours: 120 hours. Qualification: 99%.
  - Assessing the built environment for physical activity (2012-2013). Type of training: Course. City awarding entity: Philadelphia, United States of America. Awarding entity: Built environment assessment training (BEAT) institute, **University of Pennsylvania – School of Medicine**. Duration in hours: 20 hours.
  - **ArcGis 9.X (ArcView) course** (2011). Type of training: Course. City awarding entity: Bellaterra, Spain. Awarding entity: LIGIT-Autonomous University of Barcelona (UAB). Duration in hours: 20 hours.
  - Urban Ecology and climate change (2010). Type of training: Cours. City awarding entity: Barcelona, Spain. Awarding entity: Eco-union. Duration in hours: 30 hours. Qualification: 9.56 over 10.

## LANGUAGE SKILLS

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**English** (C2, fluent), **Catalan** (C2, proficiency; native), **Spanish** (C2, proficiency; native).

## **OTHER SKILLS**

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- Proficiency with **STATA, R**, Microsoft Office (word, excel, powerpoint), Zotero, Endnote.
- Basic knowledge of NVivo, ArcMap, SPSS, Access, Miramón, Mendeley.