



João Monteiro

Funções de docente ao abrigo do estatuto de bolsheiro da FCT @ Universidade de Coimbra and Universidade Aberta
Researcher at CITTA
PhD. Student at FCTUC
Comissão para a elaboração das cláusulas técnicas do concurso da nova rede dos SMUTC's
Founder and General Meeting President at Associação Reabilita Coimbra

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🎓 GNH-3727-2022

Scopus 57653402000



HONORS AND AWARDS

3% Best Students Award
University of Coimbra (FCTUC)

Editor's Choice Award
Sustainability – Q1 journal

VOLUNTEERING EXPERIENCES

Associação Reabilita Coimbra
Founder member and General Meeting President
Non-profit association that aims to provide better living conditions to people, rebuilding houses and institutions.

Just a Change Portugal
Volunteer and trainee

TOURISM MANAGEMENT

Corpo de Deus Apartments in Coimbra
Manager (COO)
Administration and reservation management; Concierge; Public relations and Housekeeping

PROFESSORSHIPS & RESEARCH POSITIONS

- 09/2023 – Present **Universidade de Coimbra - Portugal**
Docente ao abrigo do estatuto de bolsheiro
Departamento de Engenharia Civil (DEC)
- 09/2022 – Present **Universidade Aberta - Portugal**
Docente ao abrigo do estatuto de bolsheiro
Departamento de Ciências e Tecnologias (DeCT)
- 09/2018 - Present **CITTA - Portugal**
Research Centre for Territory, Transports and Environment
Research Group 1 – Planning and Environmental Assessment (PEA) – Junior Researcher

EDUCATION

- 09/2018 - Present **Doctoral Program in Spatial Planning**
University of Coimbra (FCTUC) & University of Porto (FEUP) - Portugal
Form & Function: Benchmarking Real and Ideal Cities
Team: Prof. Dr. João Coutinho; Prof. Dr. Nuno Sousa; Prof Doutor Eduardo Natividade
- 09/2011 – 01/2019 **Master's degree in civil engineering**
University of Coimbra (FCTUC) - Portugal
Urbanism, Transport Planning and Transports Infrastructure (grade: 17/20)
MSc in Civil Engineering (grade: 13/20)

RESEARCH PROJECTS

- 2018- Present **Form and Function:**
Benchmarking Real and Ideal Cities
- 2020 – 2022 **CITYDEMICS**
Planning Cities for Pandemics
Santander UC award program
- 2019 – 2021 **City Index**
Developing and evaluating city active mobility

LANGUAGES

Portuguese – Native speaker
English C1 + B2 – University of Cambridge
Spanish B1 – Elementary School

EDITOR

- Guest editor for Emerald Publishing: Municipal Engineering (Q3 scopus). Theme: Digital Twins: Shaping the Future of Municipal Engineering Planning and Management

SCIENTIFIC REVIEWER

SAGE – Environment and Planning B: 1 review
Institution of Civil Engineers – Municipal Engineer: 3 reviews
MDPI – International Journal of Environmental Research and Public Health: 4 reviews
MDPI – Land: 3 reviews
MDPI – International Journal of Geo-Information: 3 reviews
MDPI – Buildings: 3 reviews
MDPI – Sustainability: 7 reviews

CONFERENCE PUBLICATIONS

CEES, 2023

Coutinho-Rodrigues, J., Monteiro, J., Sousa, N. & Natividade-Jesus, E. (2023). The impact of city form and active modes of transport on urban mobility energy consumption, CEES 2023, 2nd International Conference on Construction, Energy, Environment & Sustainability, 27-30 June, Funchal, Portugal (Accepted for publication)

PLURIS, 2018

Monteiro, J., Sousa, N., Natividade Jesus, E. & Coutinho-Rodrigues, J. (2018). Metodologia multicritério para avaliação da adequabilidade da infraestrutura viária urbana à bicicleta, PLURIS 2018: Atas do 8^o Congresso Internacional Luso-Brasileiro para o Planeamento Urbano, Regional, Integrado e Sustentável. ISSN: 2525-7390, 1-12.

PUBLICATIONS

Energies – Q1

Monteiro J, Sousa N, Natividade-Jesus E, & Coutinho-Rodrigues J. (2024). Challenges ahead on sustainable cities: An urban form and transport system review, *Energies* (Accepted for submission)

Land – Q2

Monteiro J, Carrilho AC, Sousa N, Oliveira LKd, Natividade-Jesus E, & Coutinho-Rodrigues J. (2023). Do we Live where it is pleasant? Correlates of perceived pleasantness with socioeconomic variables, *Land*, 12(4):878. <https://doi.org/10.3390/land12040878>

Municipal Engineer – ICE – Q3

Monteiro, J., Sousa, N., Pais, F., Coutinho-Rodrigues, J., Natividade-Jesus, E. (2023). Planning cities for pandemics: A review of urban and transport planning lessons from COVID-19, *Municipal Engineer – Proceedings of the Institution of Civil Engineers*, 0(0), <https://doi.org/10.1680/jmuen.22.00030>

International Journal of Geo-Information – Q1

Monteiro, J., Para, M., Sousa, N., Natividade-Jesus, E., Ostorero, C. & Coutinho-Rodrigues, J. (2023). Filling in the spaces: Compactifying cities towards accessibility and active transport, *International Journal of Geo-Information*, 12(3). <https://doi.org/10.3390/ijgi12030120>

International Journal of Geo-Information – Q1

Monteiro, J., Sousa, N., Natividade-Jesus, E. & Coutinho-Rodrigues, J. (2023). The potential impact of cycling on urban transport energy and modal share: A GIS-based methodology, *International Journal of Geo-Information*, 12(2). <https://doi.org/10.3390/ijgi12020048>

Environment and Planning B: Urban Analytics and City Science – Q1

Sousa, N., Monteiro, J., Natividade-Jesus, E. & Coutinho-Rodrigues, J. (2023). The impact of geometric and land use elements on the perceived pleasantness of urban layouts, *Environment and Planning B: Urban Analytics and City Science*, 0(0). <https://doi.org/10.1177/23998083221129879>

Engineering Sustainability – ICE – Q2

Pais, F., Monteiro, J., Sousa, N., Coutinho-Rodrigues, J. & Natividade Jesus, E. (2022). A multicriteria methodology for maintenance planning of cycling infrastructure, *Proceedings of the Institution of Civil Engineers – Engineering Sustainability*. <https://doi.org/10.1680/jensu.21.00088>

Sustainability – Q1 (editor's choice award)

Monteiro, J., Sousa, N., Natividade Jesus, E. & Coutinho-Rodrigues, J. (2022). Benchmarking city layouts: A methodological approach and an accessibility comparison between a real city and the Garden City, *Sustainability*; 14(9):5029. <https://doi.org/10.3390/su14095029>

SUPERVISIONS

Msc. Civil Engineering, UFMG: Universidade Federal de Minas Gerais – Brazil 2023/2024
Patrícia Santos – A percepção dos cidadãos de Belo Horizonte sobre a agradabilidade urbana

Msc. Civil Engineering, University of Coimbra, FCTUC – Portugal 2022/2023
Bernardo Coelho – Accessibility and pleasantness impact on the house market prices.

Bachelor's degree in Sustainable Cities – ISEC, Portugal 2021/2022
Tomás Paixão – Public transport networks in Coimbra

Msc. Civil Engineering, UFMG, Universidade Federal de Minas Gerais – Brazil 2021/2022
Ana Clara Carrilho – The effects of pleasantness on social-economic factors: A study of Belo Horizonte, Brazil.

Msc. Civil Engineering, Politecnico di Torino, Italy 2020/2021
Marvin Para - Innovative tools for urban regeneration planning. The study of alternatives for accessibility to the city of Coimbra (Strumenti innovativi per la pianificazione della rigenerazione urbana. Lo studio delle alternative per l'accessibilità alla città di Coimbra)

Bachelor's degree in Sustainable Cities – ISEC, Portugal 2020/2021
Claudia Sousa – Active and sustainable mobility

CONFERENCE PRESENTATIONS

PLURIS 2018 / Civil Engineering Department, University of Coimbra, Portugal

OTHER TEACHING EXPERIENCE

Exercise sheet for Sistemas de Engenharia and Métodos de Apoio à Decisão em Sustentabilidade Urbana - 2023

OTHER PUBLICATIONS

Coimbra já é uma cidade de 15-minutos? – Coimbra Colectiva, 11/01/2024.
<https://coimbracolectiva.pt/historias/coimbra-ja-e-uma-cidade-dos-15-minutos/>

LECTURES AND INVITED SPEAKER

FCTUC – University of Coimbra 05/2023
Bachelor in Smart and Sustainable Cities

FCTUC – University of Coimbra 05/2023
Msc. In Civil Engineering

FCTUC – University of Coimbra 02/2023
Msc. and PhD. in Energy for Sustainability

ISEC – Coimbra Institute of Engineering 05/2022
Msc. In Sustainable and Intelligent Cities

FCTUC – University of Coimbra 12/2022
Msc. in Urban and Transport Planning

ISEC – Coimbra Institute of Engineering 12/2021
openDEC: Civil Engineering and Sustainable Cities

FCTUC – University of Coimbra 12/2021
Msc. in Urban and Transport Planning

ISEC – Coimbra Institute of Engineering 12/2020
openDEC: Civil Engineering and Sustainable Cities

FCTUC – University of Coimbra 10/2020
Msc. and PhD. in Energy for Sustainability

STAFF AND EVENTS ORGANIZATION EXPERIENCE

DEC Planning Summit – Creator and Organizer; Civil Engineering Department, University of Coimbra, Portugal 2023

Ph.D. Students Committee – Área de Urbanismo, Transportes e Vias de Comunicação, University of Coimbra, Portugal 2023-Present

FCTUC Electoral Committee, University of Coimbra, Portugal 2019/2020

PLURIS 2018 Staff, Civil Engineering Department, University of Coimbra, Portugal 2019

SOFT SKILLS

- Effective communication, teamwork, responsibility, problem-solving and leadership skills;
- High motivation and enthusiasm towards work and tasks at hand;
- Time management, decision-making, goal setting, multitasking and problem solving;
- Softwares: Geographic Information Systems (GIS): ArcGIS and QGIS; Microsoft Office; Optimization: Xpress; CAD: Autocad, Autocad 3D, Robot; SketchUp, Google Pro Earth
- Musical skills including 6 years of basic music knowledge – ability to play different instruments, capability of writing and comprehending written music; Certificate of merit by the Associated Board of the Royal Schools of Music, London (UK).