



Centro de Estudos de Gestão  
do Instituto Superior Técnico

**CEGIST Researcher Snapshot: Meet Our Team**

# Series of LinkedIn posts that showcase the researchers' and staff's professional achievements and their personal interests



A large, semi-transparent watermark of a building with the CEGIST logo is visible in the background.

**Tânia Ramos**  
Associate Professor

**Research Interests** Routing, Reverse Logistics, Waste Management

**Selected Publications**

- Planning a sustainable reverse logistics system: Balancing costs with environmental and social concerns
- The smart waste collection routing problem: Alternative operational management approaches
- A solution methodology for a smart waste collection routing problem with workload concerns: computational and managerial insights from a real case study

**Impact** Increase resource efficiency (SDG 9), reduce environmental impact of the waste collection activity (SDG 11), and increase service level provided to the citizens by reducing the number of overflowing bins (SDG 6)

**Personal Interests** Travel, Solve Enigmas/Mysteries, Dance

<https://cegist.tecnico.ulisboa.pt/>

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**Mariana Oliveira**  
PhD Student

**Research Interests** Operations Research, Optimization, Health Services

**Selected Publications**

- Assessing the impact of patient prioritization on operating room schedules
- Flexible master surgery scheduling: combining optimization and simulation in a rolling horizon approach
- A systematic literature review on the utilization of extended operating room hours to reduce surgical backlogs

**Impact** Increase service level by reducing waiting times for elective surgeries (SDG 3), reduce geographical imbalance in access to surgical treatment (SDG 10) and reduce costs and increase resource efficiency and resilience of health systems (SDG 11)

**Personal Interests** Travel, Crocheting, Reading

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# CEGIST Researcher Snapshot: Meet Our Team Goals



- Introduce our researchers and staff to the public through a series of LinkedIn posts
- Highlights each researcher's interests, publications, contributions to social impact through the Sustainable Development Goals, and personal interests
- Staff are also included in the snapshots, as they are a vital component in the success of our center, with adapted highlighted fields
- Increase LinkedIn followers and engagement by highlighting the diverse and impactful work of CEGIST

CEGIST | Centre for Management Studies of Instituto Su... ...

1,202 followers  
2yr •

🔍 CEGIST Researcher Snapshot: Meet Our Team

Today, we have the honor of introducing you to Professor **José Rui Figueira**, Full Professor and a distinguished researcher in Operations Research and Decision Aiding. 🌟 He is also the PI of the MOSAIC Research Group and former president of CEGIST (2019-2022). With a wealth of expertise in Multi-Objective Optimization, Multiple Criteria Decision Making, and Mixed Integer Linear Programming, Professor José Rui Figueira was awarded in 2017 with the Gold Medal of the International Society on Multi-Criteria Decision-Making and he is shaping the future of Operations Research and Decision-Aiding, as one of Coordinators of the European Working Group on MCDA and the President Elected of the International Society on MCDM.

Let's dive into some of his remarkable publications that span these dynamic areas of research:

- ⌚ A multiple criteria approach for building a pandemic impact assessment composite indicator: The case of COVID-19 in Portugal (<https://lnkd.in/dQAfqv8>)
- ⌚ Surrogate-assisted automatic evolving of dispatching rules for multi-objective dynamic job shop scheduling using genetic programming ([https://lnkd.in/d5r\\_SK\\_n](https://lnkd.in/d5r_SK_n))
- ⌚ Exact hypervolume subset selection through incremental computations (<https://lnkd.in/dk2Rwj9>)

#CEGIST #Research #SnapshotSeries #MeetOurTeam



**José Rui Figueira**  
Full Professor and PI for the MOSAIC Research Group

**Research Interests** Multi-Objective Optimization, Multiple Criteria Decision Aiding/Making, Mixed Integer Linear Programming

**Selected Publications** A multiple criteria approach for building a pandemic impact assessment composite indicator: The case of COVID-19 in Portugal

Surrogate-assisted automatic evolving of dispatching rules for multi-objective dynamic job shop scheduling using genetic programming

Exact hypervolume subset selection through incremental computations

**Impact** Propose a new methodology for the design of composite indicators and its application in evaluating the different dimensions of the pandemic's impact in Portugal (SDG 3), a new methodology making use of genetic programming for multi-objective dynamic job shop scheduling (SDG 9) and a new method for computing exact hypervolume subset selection through incremental computations, with applications in the context of multi-objective optimization (SDG 11)

**Personal Interests** Travelling, (3D) Crafts, Games and Puzzles

# CEGIST Researcher Snapshot: Meet Our Team

## Staff Snapshot



The background of the profile features the CEGIST logo on the left and a blurred image of a modern building with glass windows in the center.

A circular portrait of Mariana Batista Santos, a woman with long dark hair and glasses, smiling.

### Mariana Batista Santos

**Staff**

**Function title** Pre-Award Officer

**Main functions**

- Monitor national and international funding programs
- Tailor dissemination of funding opportunities and events with researchers' interests
- Assist in developing and implementing Pre-Award tools and processes
- Prepare support materials for grant applications
- Guide researchers through the application process, ensuring proposals are compelling and compliant
- Assist in the preparation of Grant Agreements

**Personal Interests** Books (buy, read, listen), Travel, Genealogy

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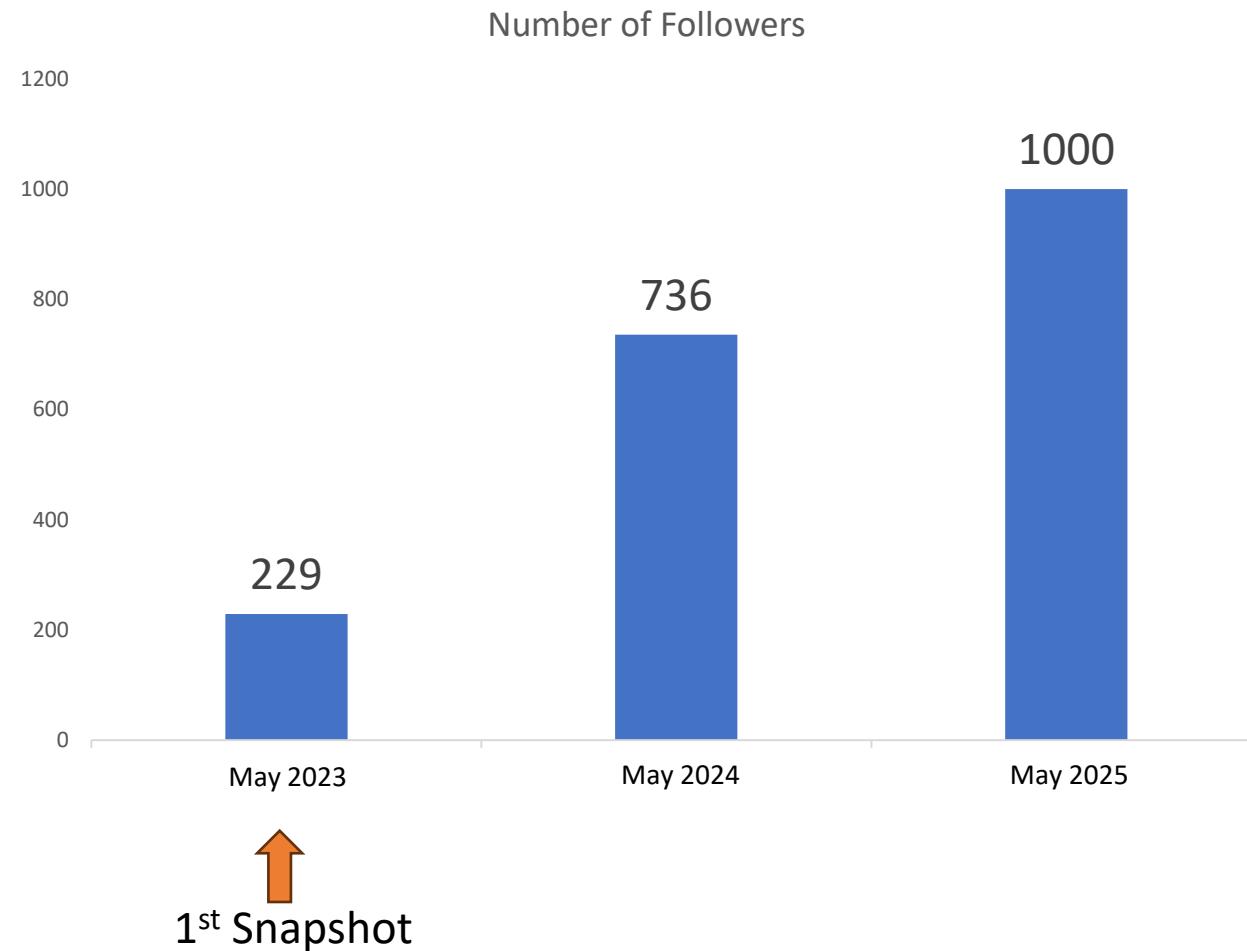
# CEGIST Researcher Snapshot: Meet Our Team Process



- The initiative was proposed in April 2023 by PhD student Mariana Oliveira
- A new CEGIST Researcher Snapshot is posted every Wednesday at 9:00 Portugal time on LinkedIn
- Alternating between PhD students and established researchers, and staff
- Main Tasks: Contacting members, gathering information, and creating the content for each post, through a standardized email. Then, preparing a draft of the post, which is then reviewed and validated by the featured person before publication

# CEGIST Researcher Snapshot: Meet Our Team

## Number of Followers



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A Special Thank You to...



Mariana Oliveira  
(PhD Student)

And to all the CEGIST Community!

