



## Mahnaz Babapourdijojin

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**Work:** Via Eudossiana, 18, 00184 Roma (Italy)

### EDUCATION AND TRAINING

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#### PhD student

**Sapienza University of Rome** [ 01/2022 – Current ]

City: Rome

Country: Italy

Field(s) of study: Infrastructures and Transport

#### Europe's Erasmus Student Exchange Program

**Zagreb University** [ 10/2019 – 06/2020 ]

City: Zagreb

Country: Croatia

#### Master's degree

**Sapienza University of Rome** [ 10/2018 – 10/2021 ]

City: Rome

Country: Italy

Field(s) of study: Transport Systems Engineering

Final grade: 108/110 (27.06 /30)

#### Bachelor of Science

**Guilan University** [ 2006 – 2011 ]

City: Rasht

Country: Iran

Field(s) of study: Civil engineering

### WORK EXPERIENCE

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#### Consultant

**Movesion** [ 01/01/2022 – 28/02/2023 ]

City: Rome

Country: Italy

Link: <https://www.movesion.com/>

-Evaluating the mobility impacts of employees on the company, the community and the employees themselves.

#### Lecturer

**Islamic Azad University, East Tehran Branch** [ 06/2016 – 02/2017 ]

City: Tehran

Country: Iran

1-Road Construction

2- Road Construction Project  
3-Technical Drawing and Construction Drafting

## Civil engineer

**Mahiran** [ 20/01/2014 – 17/12/2017 ]

City: Tehran

Country: Iran

## PUBLICATIONS

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### Assessing the benefits and external costs of road transport in Italy

[2023]

M. Babapourdijojin and G. Gentile, "Assessing the Benefits and External Costs of Road Transport in Italy," 2023 8th International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS), Nice, France, 2023, pp. 1-6, doi: 10.1109/MT-ITS56129.2023.10241486.

Link: <https://ieeexplore.ieee.org/document/10241486>

### Assessing the Mobility Impact on the Corporate Social Responsibility

[2023]

Babapourdijojin, M., Gentile, G. (2023). Assessing the Mobility Impact on the Corporate Social Responsibility. In: Kabashkin, I., Yatskiv, I., Prentkovskis, O. (eds) Reliability and Statistics in Transportation and Communication. RelStat 2022. Lecture Notes in Networks and Systems, vol 640. Springer, Cham. [https://doi.org/10.1007/978-3-031-26655-3\\_30](https://doi.org/10.1007/978-3-031-26655-3_30).

Link: [https://link.springer.com/chapter/10.1007/978-3-031-26655-3\\_30#citeas](https://link.springer.com/chapter/10.1007/978-3-031-26655-3_30#citeas)

### Predictive Analytics for Road Traffic Accidents: Exploring Severity through Conformal Prediction

[2023]

Mohamed Eldafrawi, Ken Koshy Varghese, Marzieh Afsari, Mahnaz Babapourdijojin, Guido Gentile  
Submitted for consideration to Transportation Research Board (TRB ) 2024 annual meeting

### Machine Learning Enhanced Predictive Analysis of Road Traffic Accidents: Rome Case Study

[2023]

Mohamed Eldafrawi, Ken Koshy Varghese, Marzieh Afsari, Mahnaz Babapourdijojin, Guido Gentile  
In preparation for submission

## PROJECTS

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### Giubileo 2025

[ 04/2023 – Current ]

-Giubileo (Jubilee) project: Codice CIG 9653319AD6, Codice Affidamento SEFNS23006

-Under supervision of Professor Guido Gentile

-As a data analyst to forecast the demand for the Giubileo events in 2025 using Microsoft Excel and Python

## HONOURS AND AWARDS

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### Bando Coordinamento progetti Horizon Europe ("Coordination of Horizon Europe collaborative projects", call for proposals)

Sapienza University of Rome [ 18/07/2023 ]

-Collaborating on the proposal under the supervision of Professor Guido Gentile.

- Results: Winner

Link: [https://www.uniroma1.it/sites/default/files/field\\_file\\_allegati/](https://www.uniroma1.it/sites/default/files/field_file_allegati/)

## **Infrastrutture e trasporti - Tema della Ricerca: Lavoro agile e spostamenti sistematici: l'impatto dello smart working sulla mobilità sostenibile e l'ambiente**

Istituto Nazionale Previdenza Sociale (INPS) [ 21/12/2022 ]

-Title in English: Infrastructure and transport - Theme of Research: Smart working and travel systematic: the impact of smart working on sustainable mobility and the environment.

-Collaborating on the proposal under the supervision of Professor Guido Gentile

- Results: Winner

### **DIGITAL SKILLS**

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Python / Data analysis / Machine learning / QGIS / SPSS

### **LANGUAGE SKILLS**

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Mother tongue(s): **Azerbaijani, Persian, Turkish**

Other language(s): **English (IELTS score 6.5), Italian (A2)**