Micaella Raíssa Falcão de Moura

- **Place and Date of birth:** Recife-Pernambuco, Brazil. May 10, 1991.
- **Address:** R. Conselheiro Nabuco n210 apt 202, Casa Amarela, Recife-PE, Brazil.
- **E-mail:** micaella.moura@unicap.br or micaella.fmoura@gmail.com
- **Telephone:** +55 81 988750867 (Telegram/WhatsApp/Hangouts)
- **Researcher CV:** http://lattes.cnpq.br/0432128982227286/; https://orcid.org/0000-0002-8710-3429

EDUCATION

2016- 2020: PhD: Environmental and Civil Engineering- Water Resources

Thesis Title: INTEGRATED MANAGEMENT AND CHALLENGES TO WATER SECURITY: Water Vulnerability Index (IVH) proposal in the Capibaribe River Basin.
- Available: https://repositorio.ufpe.br/handle/123456789/37956?locale=en)
- Federal University of Pernambuco (UFPE)- Pernambuco, Brazil
- Postgraduate Program in Civil and Environmental Engineering
- Study Area: Water Resources Management/ Water Vulnerability/ SDG'S
- Advisor: Prof. Suzana Maria Gico Lima Montenegro

2014- 2015: Master's degree: Civil Engineering- Water Resources

- University of Pernambuco (UPE-POLI)- Pernambuco, Brazil
- Study Area: Water Resources/ Rainwater Systems/ Solid Waste
- Advisor: Prof. Simone Rosa da Silva

2009- 2013: Graduation: Civil Engineering

University of Pernambuco (UPE-POLI)- Pernambuco, Brazil

AREAS OF EXPERTISE AND INTERESTS

Researching; Teaching; Reviewer; Management; Water and environmental research and educational programs; SDG's; Solid/Plastic Waste; Water Quality Management; Hydraulics; Water security; Water resources management; Water governance; Sustainability and sustainable buildings; Climate change; Vulnerability and Resilience; Environmental and water awareness; Sanitation; River Basin Plans.

PROFESSIONAL EXPERIENCE

2021- Current: **Catholic University of Pernambuco (UNICAP- Icam Tech)**

Professor for Undergraduate students (Civil Engineering)- Disciplines: Hydraulics; Hydrology and Urban Sanitation (Water-Sewage-Drainage Systems and Solid Waste Management). Researcher.

2020- Current: **Pernambuco Water and Climate Agency (APAC)**

Water Resources Monitoring and Inspection Manager

2019- Current: **Assistant Professor- Estácio University**

Assistant Professor/Researcher for Undergraduate students (Engineering)- Disciplines: Sustainable Engineering; Hydraulics; Urban Sanitation. Researcher.

2019- 2020: **Technical Advisor- Municipal Cleaning and Urban Maintenance of Recife- (EMLURB)**

Technical Assistance to the Urban Maintenance Directorate - Drainage and Pavement/Solid Waste Management; Projects and Public Lighting.

2016- 2020: **Researcher at Federal University of Pernambuco (UFPE)**

PhD student and Research project member: *Innovative science and influential policy dialogues for water security in the arid Americas* (IAI- AQUASEC/ UFPE); Research project member: National Institute of Science and Technology for Climate Change (INCT- CnPQ- Brazil)

2015- 2016: **Researcher and Civil Engineer at Pernambuco Hospital of Cancer**

Project InovaTalentos- Partnership project with the National Council for Scientific and Technological Development (Cnpq)

2014- 2015: **Hydraulics Substitute teacher at University of Pernambuco (UPE)**

Temporary contract- 3 semesters. Classes for civil engineering students.

2011- 2014: **Civil Engineer and Engineering intern at Cyrela Brazil Realty**

Internship from 2011 to 2013 and Civil engineer from 2013 to 2014.

COURSES AND ARTICLES (Complete File at Researcher CV)

2021: Inspection in Water Resources. (Hours: 8h). Executive Agency for Water Management of Paraíba State, AESA, Brazil.

2019: Specialized Module on Children and Climate Change- UN Climate Change Learning Partnership, UN CC: LEARN

2018: Short Term Course: Water Governance in Latin America (40 hrs)- National Water and Sanitation Agency (ANA)

- MOURA, M. R. F.; FALCÃO, S. M. P.; Silva, A.C.; RIBEIRO NETO, A.; MONTENEGRO, S. M. G. L.; SILVA, S. R. Developing a Plastic Waste Management Program: From River Basins to Urban Beaches (Case Study). 2019. http://dx.doi.org/10.5614/j.eng.technol.sci.2020.52.1.8

- MOURA, M.R.F., Montenegro, S.M.G.L., Ribeiro Neto, A., & Silva, S.R., Challenges of watershed hydro-environmental master plans (case study), In: Marcelo Nolasco, Elvis Carissimi, Ernesto Urquieta-Gonzalez. (Org.). Water perspectives in Emerging Countries- Linking water security to Sustainable Development Goals. 1ed.Göttingen: Cuvillier Verlag, v. 1, pp. 40-53, 2018.

AWARDS

2019: Awarded article 3rd place: Knowing the Social Vulnerability Award in Pernambuco. IPEA Partnership to Popularize the Social Vulnerability Index (IVS). Joaquim Nabuco Foundation (FUNDAJ)

2014: 1st place in the Civil Engineering Master's contest, University of Pernambuco (UPE-PEC / POLI)

2006- 2009: Academic Laureate Student High School- Atual Olinda High School.

INTERNATIONAL EXPERIENCE AND SCHOLARSHIPS

- **2019-** Thailand, Koh Samui Island: Exceed Swindon-DAAD-AIT: International Expert Workshop on Microplastics in the Water environment.
- **2018-** Brazil, São Paulo: Exceed Swindon-DAAD- IEA USP: International Workshop- Linking Water Security to the Sustainable Development Goals.
- **2018-** Canada, Toronto: Elsevier Conference: 1st International Conference on Water Security.
- **2018-** United States, Tucson: University of Arizona: WRRC Conference 2018- The Business of Water
- **2016-2020:** Phd Scholarship National Council for Scientific and Technological Development (CnPq- Brazil) Grant Number 153799/2016-1
- **2015- 2016:** CnPq-Brazil Scholarship 351137/2015-7 *Inova Talentos* Project at the Cancer Hospital of Pernambuco (HCP)
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LANGUAGES

Portuguese- Mother tongue; English- Fluent; Spanish- Basics