

ANGELA GORGOGLIONE

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Education

- 1/2013-4/2016: **Ph.D.** Environmental and Territorial Safety and Control. Interpolytechnic Doctoral School (Politecnico di Bari, Milano, Torino).
- 10/2010-7/2012: **M.Sc.** Environmental Engineering. Politecnico di Bari.
- 10/2007-10/2010: **B.Eng.** Environmental Engineering. Politecnico di Bari.

Academic and Professional Appointments

- 08/2018-present: **Assistant Professor.** Instituto de Mecánica de los Fluidos e Ingeniería Ambiental (IMFIA), Universidad de la República, Uruguay.
- 07/2018-06/2020: **Postdoc.** Instituto de Mecánica de los Fluidos e Ingeniería Ambiental (IMFIA), Universidad de la República, Uruguay.
- 11/2017-07/2018: **Environmental hydraulic engineer.** Environmental Ministry of Uruguay (MVOTMA), National Water Board (DINAGUA).
- 5/2016-10/2017: **Postdoc.** Department of Civil and Environmental Engineering, University of California, Davis.
- 5/2015-4/2016: **Junior Specialist.** Department of Civil and Environmental Engineering, University of California, Davis.
- 7/2014-2/2015: **Visiting scholar.** Department of Civil and Environmental Engineering, University of California, Davis.

Teaching

- 3/2020-present: **Professor.** “Hydrological Design” for undergraduate students. Universidad de la República, Uruguay.
- 10/2019-present: **Professor.** “Urban Hydrology” for graduate students. Universidad de la República, Uruguay.

- 09/2018-present: **Professor.** “Advanced Hydrology” for undergraduate students. Universidad de la República, Uruguay.
- 3/2015-5/2015: **Teaching Assistant.** “Environmental and Sanitary Engineering” for undergraduate and graduate students. Politecnico di Bari.
- 3/2014-5/2014: **Teaching Assistant.** “Environmental and Sanitary Engineering” for undergraduate students. Politecnico di Bari.
- 3/2013-5/2013: **Teaching Assistant.** “Environmental and Sanitary Engineering” for undergraduate and graduate students. Politecnico di Bari.

The 10 Most Important Publications

1. **Gorgoglione, A.**; Castro, A.; Iacobellis, V.; Gioia, A. (2021). A comparison of linear and non-linear machine learning techniques (PCA and SOM) for characterizing urban nutrient runoff. *Sustainability*, 13, 2054.
2. **Gorgoglione, A.**; Gregorio, J.; Ríos, A.; Alonso, J.; Chreties, C.; Fossati, M (2020). Influence of land use/land cover on surface-water quality of Santa Lucía river, Uruguay. *Sustainability*, 12, 4692.
3. Narbondo, S.; **Gorgoglione, A.**; Crisci, M.; Chreties, C. (2020). Enhancing runoff prediction in ungauged watersheds combining catchment-physical and hydrologic similarity in sub-tropical regions. *Water*, 12, 528.
4. **Gorgoglione, A.**; Gioia, A.; Iacobellis, V. (2019). A Framework for assessing modeling performance and effects of rainfall-catchment-drainage characteristics on nutrient urban runoff in poorly gauged watersheds. *Sustainability*, 11, 4933.
5. **Gorgoglione, A.**; Crisci, M.; Kayser, R.H.; Chreties, C.; Collischonn, W. (2019). A new scenario-based framework for conflict resolution in water allocation in transboundary watersheds. *Water*, 11, 1174.
6. **Gorgoglione, A.**, Bombardelli, F.A., Pitton, B.J.L., Oki, L.R., Haver, D.L., Young, T.M. (2019). Uncertainty in the parameterization of sediment build-up and wash-off processes in the simulation of water quality in urban areas. *Environmental Modelling and Software*, 111, 170-181.
7. **Gorgoglione, A.**, Bombardelli, F.A., Pitton, B.J.L., Oki, L.R., Haver, D.L., Young, T.M. (2018). Role of sediments in insecticide runoff from urban surfaces: analysis and modeling. *International Journal of Environmental Research and Public Health*, 15(7), 1464.
8. **Gorgoglione, A.**, Gioia, A., Iacobellis, V., Piccinni, A.F., Ranieri, E. (2016). A rationale for pollutograph evaluation in ungauged areas, using daily rainfall patterns: case studies of the Apulian region in Southern Italy. *Applied and Environmental Soil Science*, vol. 2016, Article ID 9327614, 16 pages.
9. Di Modugno, M., Gioia, A., **Gorgoglione, A.**, Iacobellis, V., la Forgia, G., Piccinni, A.F., Ranieri, E. (2015). Build-up/wash-off monitoring and assessment for sustainable management of first flush in an urban Area. *Sustainability*, 7, 5050-5070.

10. Ranieri, E., **Gorgoglione, A.**, Solimeno, A. (2013). A comparison between model and experimental hydraulic performances in a pilot-scale horizontal subsurface flow constructed wetland. *Ecological Engineering*, 60, 45-49.

Funded Research Projects as PI

1. “Assessing the impact of land use and land cover change on water quality over time: the case study of Santa Lucía watershed” funded by ANII. Total budget: \$28,473. April 2020–May 2021.
2. “Platform to support decision-making in the development of sustainable irrigated agriculture (DAIS-STD)” funded by ANII. Total budget: \$15,000. May 2019–April 2022.
3. “DAIS Model: Integrated biophysical and economic modeling of water resources in watersheds for the development of sustainable irrigated agriculture” funded by ANII. Total budget: \$73,080. May 2019–April 2022.
4. “Identification and development of virtual hydrometric stations in ungauged watersheds in Uruguay” funded by ANII. Total budget: \$20,000. November 2018–November 2020.
5. “Analysis of non-point source pollution in the Santa Lucía basin” funded by CAP. Total budget: \$51,656. July 2018–June 2020.

Awards and Achievements

1. 2019 Water Outstanding Reviewer Award (2020).
2. 2018 MDPI Top Reviewer Award (2019).
3. Postdoctoral scholarship. Comisión Académica de Posgrado (CAP), Universidad de la República (2018).
4. Certificate of excellence in reviewing. *Journal of Geography, Environment and Earth Science International* (2017).
5. Ph.D. scholarship. Scuola Interpolitecnica di Dottorato-Politecnico di Bari, Milano e Torino (2014).
6. Ph.D. scholarship. Politecnico di Bari (2013).

Referee Work and Editorship

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Advising

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