


PERSONAL INFORMATION

Anna Palla

Associate Professor

 Università degli Studi di Genova
 Dipartimento di Ingegneria Civile Chimica ed Ambientale
 Via Montallegro1, 16145 Genova, Italy

 +39 010 3352301

 anna.palla@unige.it

 <https://rubrica.unige.it/personale/UkNGWllr>

ORCID <https://orcid.org/0000-0003-0708-6794>

Sex F | Date of birth 13/01/1981 | Nationality Italian

WORK EXPERIENCE

01/10/2021- present

Associate Professor of Hydraulics, Hydrology, Hydraulic and Maritime Construction

Università degli Studi di Genova, Dept. of Civil, Chemical and Environmental Engineering

- Research (In the field *Urban Hydrology*: Design and management of urban drainage systems addressing resilience and sustainability; Low Impact Development (LID) practices /Green Infrastructure (GI) systems; Rainfall-runoff process and pollutant dynamics on urbanized areas and in drainage systems; Pluvial Flooding – in the field of *Watershed management*. Flood risk mitigation and resilient strategies; Semi-distributed hydrologic model and web-Gis applications; Hydropower potential assessment; Impact of rainfall and soil moisture in landslide forecasting)
- Teaching (APPLIED HYDROLOGY 5 credits, 50 hours; HYDRAULIC INFRASTRUCTURES 8 credits, 100 hours in co-teaching; DESIGN OF SUSTAINABLE URBAN DRAINAGE SYSTEMS + LABORATORY 5 credits, 50 hours in co-teaching)
- Managing duties (Member of the Academic Board for the PhD curriculum “Risk and Resilience Engineering for the Natural, Industrialized and Built Environments” in the PhD program “Security, Risk and Vulnerability” of the University of Genova; Member of the Curriculum Committee for the PHD curriculum “Fluid Dynamics and Processes of Environmental Engineering” PhD program in “Civil, Chemical and Environmental Engineering”, University of Genoa; Delegate for internship for the master degree in Civil Engineering, University of Genova)

01/10/2018- 31/09/2021

Fixed-term Assistant Professor (type B) of Hydraulics, Hydrology, Hydraulic and Maritime Construction

Università degli Studi di Genova, Dept. of Civil, Chemical and Environmental Engineering

- Teaching (HYDROLOGY 5 credits, 50 hours; HYDRAULIC INFRASTRUCTURES 8 credits, 100 hours in co-teaching; DESIGN OF SUSTAINABLE URBAN DRAINAGE SYSTEMS + LABORATORY 5 credits, 50 hours in co-teaching)
- Managing duties (Member of the Curriculum Committee for the PhD curriculum “Risk and Resilience Engineering for the Natural, Industrialized and Built Environments” in the PhD program “Security, Risk and Vulnerability” of the University of Genova and for the PHD curriculum “Fluid Dynamics and Processes of Environmental Engineering” PhD program in “Civil, Chemical and Environmental Engineering”, University of Genoa)

01/12/2015- 31/09/2018

Fixed-term Assistant Professor (type A) of Hydraulics, Hydrology, Hydraulic and Maritime Construction

Università degli Studi di Genova, Dept. of Civil, Chemical and Environmental Engineering

- Italian National Scientific Habilitation to become an Associate professor (April 2017)

01/04/2009- 30/11/2015

Post-doc fellow in Hydraulics, Hydrology, Hydraulic and Maritime Construction

- Università degli Studi di Genova, Dept. of Civil, Chemical and Environmental Engineering

EDUCATION AND TRAINING

10/2005-16/04/2009

Ph.D. in Fluid Dynamics and Processes of Environmental Engineering

Università degli studi di Genova

- Dissertation title: Unsaturated flow in engineered porous media for hydrologic restoration
- 1-month (November 2008) visiting scholar at the Institut für Bauklimatik TU Dresden

10/1999-03/2005

Master's degree in civil engineering with Geotechnical

Università degli studi di Genova

- Laurea thesis: "Engineering solution for the Central African Republic development: fishery system project at Gbazara".
- Grade of 110/110 summa cum laude.

PERSONAL SKILLS

Mother tongue

Italian

Other languages

English – Advanced; French – Elementary

Job-related skills

Research group participations:

- Member of the Urban Storm Water Harvesting (USWH) Working Group of the IWA/IAHR Joint Committee on Urban Drainage (JCUD). The group's objective is to facilitate the development of these systems, by conducting research and experiments, and disseminating the results with various means (special sessions at conferences; special issues in selected journals; ecc.)
- Member of the Centro Studi idraulica Urbana CSDU (Research Center on Urban Hydraulics)
- Member of the TICASS Consortium. The Consortium for the Innovative Technologies for the Environmental Control and the Sustainable development (TICASS) endorses Research and Development, and Technology Transfer activities in the Energy and Environment domain, with a proper focus on Sustainable Development and Quality of Life.
- Member of the Scientific and Technical Committee of the Polo SOSIA. The Cluster Polo SOSIA operates in the areas of environmental risk management and land control, cybersecurity and innovative ICT systems for the Intelligent Factory and automation

OTHER WORK ACTIVITIES

PhD supervision

Komal JABEEN; The Role of vegetation in Urban Climatology and Hydrology; XXXVIII Cycle; PhD Program in Civil, Chemical and Environmental Engineering; Curriculum in Fluid Dynamics and Environmental Engineering; University of Genoa.

PhD External reviewer/ Member of exam committee

Member of the Exam committee: Tinghao HUANG; Hydrologic performances of rain gardens – From in-situ monitoring to modelling for a variety of contexts; École doctorale Sciences, Ingénierie et Environnement Spécialité du doctorat: Sciences et Techniques de l'Environnement, École nationale des ponts et chaussées | Institut Polytechnique de Paris, 22 May 2025

Member of the Exam committee: Riccardo BONOMELLI; AN ENHANCED MODELLING APPROACH FOR DEBRIS FLOW INCEPTION AND PROPAGATION; XXXVI Cycle; PhD Program in Civil, environmental engineering and International cooperation and Mathematics, DICACIM, University of Brescia, 15 March 2024

Member of the Exam committee: Rubina Ansari; Analysis of hydro-hazard extremes hotspots across Upper Jhelum Basin and possible mitigation measures; XXXV Cycle; PhD Program in Civil, environmental engineering and International cooperation and Mathematics, DICACIM, University of

Brescia, 15 March 2024

External Reviewer: Fabrizio MUSMECI; INDAGINE SPERIMENTALE E MODELLISTICA SUL COMPORTAMENTO IDRAULICO DEI BLUE ROOF; XXXVI Cycle; Phd program in Valutazione e mitigazione dei rischi urbani e territoriali; University of Catania, April 2024

Member of the Exam committee: Vladimir HAMOUZ; Retention and detention-based roofs for stormwater management in urban environments in cold climates; PhD program; Department of Civil and Environmental Engineering; Norwegian University of Science and Technology; October 2020

PhD teaching

PhD seminar titled "Innovative solutions to support the urban flood resilience" within the course "Lecture Series: Resilience Assessment of Complex Systems as a Multidisciplinary Approach to Prevention and Disaster Management" PhD program "Security, Risk and Vulnerability" of the University of Genova; 21 may 2021; 31 may 2022; 21 september 2023; 22 July 2024.

PhD modules titled "Long term assessment of green roof hydrologic performance" and "Participatory and collaborative approach in the design of NBS" within the winter school "THE ROLE OF NBS IN URBAN ECOSYSTEMS" PhD program "Civil Engineering and Architecture", University of Cagliari, 11-13 February 2025

Projects

She is the Principal Investigator of UNIGE-DICCA for the project JPI DUT2022: GreenSotrm - Design and deployment of stormwater nature based solutions for resilient and liveable cities. Project value: 1.971.128,75 € of which 123.147,00 € to UNIGE-DICCA (from 31.01.2024 to date) .

She is the Project principal investigator of URCA! Urban Resilience to Climate Change: to Activate participatory mapping and decision support tool for enhancing the sustainable urban drainage. PRIN2020 Project. Value: € 830,349 of which 193,298 € to UNIGE-DICCA (from 19 may 2022 to date).

She is scientific manager together with Prof. Francesca Pirlone of the research contract dealing with the Interreg Euro-MED: ReMED project: Towards Climate Resilient Mediterranean Cities. Duration: 2024–2026. Partners: University of Malta (lead); Ministry for Gozo and Planning; iiSBE Italia R&D; Municipality of Genoa; National Observatory of Athens; Municipality Crikvenica; Fundación Ciedes; Municipality of Malaga; Municipality of Fyli. University of Genoa is involved as sub-contractor of the Municipality of Genoa. Value € 40,000

She is scientific manager together with Prof. Ilaria Gnecco of the research contract dealing with the design of "Academy per il miglioramento dei soft skills sull'adattamento climatico" funded by the "Programma sperimentale di interventi per l'adattamento ai cambiamenti climatici in ambito urbano" of the Italian Minister of Environment and Energy Security. University of Genoa is involved as sub-contractor of the Municipality of Genoa. Value € 96,000

She has participated to several national and European research projects

- 01-12-2019 to date: **CCC-CATAPULT** - Challenging the Climate Crisis: Empowering Children's Agency to Tackle Policy Underpinned by Learning for Transformation. *JPI Climate - SOLSTICE 2019*. Project Funds. Value: € 1.382.860,00 of which 146.300,00 € to UNIGE-DICCA.
- 01-03-2017 to 31-12-2020: **TRIG-Eau** - Cross-border resilience innovation and governance for hydrogeological risk prevention. *EU Interreg Cross-border Maritime Italy-France 2014-2020* Project Funds. Value: € 2,091,370 of which 176.850,95 € to UNIGE-DICCA; The capitalization project **ReS-Eau** - Strategic network for flood risk reduction through green infrastructure and the creation of climate-resilient communities has been founded under the EU Interreg Cross-border Maritime Italy-France Project Funds (V Call).
- 01-01-2012 to 31-12-2014: **AQUA-ADD** – Deploying the added value of water in local and regional development. *EU Interreg IVc* Project Funds. Value: € 1,815,439.81 of which 124.127,68 to UNIGE-DICCA.
- 01-03-2010 to 01-03-2014: **ECOMAWARU** – ECO-sustainable Management of Water and wastewater in Rural communities (LIFE 08 ENV/IT/000390) Life+2008 Program. Project Funds. Value: € 960.122,00 of which 471.186,00 € to UNIGE-DICHEP.
- 01-03-2017 to 01-03-2021: **Concert-Eaux** – Cross-border consultation of the Roia Valley for climate change adaptation strategies. *EU Interreg Alcotra* Project Funds. Value: € 1,998,634.
- 01-09-2016 to 01-03-2018: Integrated and sustainable water-energy cycle management service for urban drainage systems. National Funding Programma Operativo Nazionale

"Ricerca e Competitività 2007-2013" PON-REC Project Funds.

- 01-10-2011 to 30-09-2014: Feasibility study for the estimation of the mini-hydroelectric potential (MHP) on the Liguria Region. National Funding - Liguria POR-FERS "Industrial research and experimental development" Project Funds. Value: € 354,738.34.

Editorial activity

- Editor of "Sustainability" open access journal edited by MDPI (ISSN 2071-1050; CODEN: SUSTDE)
- Guest Editor of Special Issue " Pluvial Flooding: maturing process understanding from data scarcity into data abundance" 2022, Hydrological Processes.

ADDITIONAL INFORMATION

Invited seminars

"One Stop Shop: il progetto Academy – Azioni di adattamento agli impatti del cambiamento climatico", together with Prof. Ilaria Gnecco, CIRCULAR VALUE FORUM, Genova, 9 April 2025.

"Azioni di adattamento agli impatti del cambiamento climatico" together with Prof. Ilaria Gnecco, GENOVA SMART WEEK 2024, Genova, 26 November 2024

"Soluzioni tecniche per la raccolta, il recupero e la gestione delle acque e criteri progettuali" Autarchia dell'abitare. Strategie per la transizione, Ciclo di seminari iNEST Spoke 4 - City, Architecture and Sustainable Design, Università Iuav, Venezia, 11 October 2024

"Valorizzare l'impatto delle soluzioni basate sulla natura: dalla singola installazione alla diffusione alla scala urbana", Conference - Le Nature-Based Solutions per l'architettura e la città. L'approccio prestazionale alle tecnologie vegetate, Università Iuav, Venezia, 13 October 2023

"URBAN RESILIENCE TO CLIMATE CHANGE Progetto URCA! PRIN 2020". Water Innovation Summit 2023. Le tecnologie di domani per l'acqua di oggi. Bari, 22 June 2023

"Soluzioni basate sulla natura per una gestione sostenibile e resiliente del ciclo dell'acqua in ambito urbano" Giornata Mondiale dell'Acqua, Associazione Idrotecnica Italiana, Torino, 22 March 2023.