

CURRICULUM VITAE
CIRO APOLLONIO



PERSONAL INFORMATION	
• Name, Surname	CIRO APOLLONIO
• E-mail	ciro.apollonio@unitus.it
• Nazionalità	Italian

WORK EXPERIENCE	
• Dates (from-to)	<u><i>November 2019 – to date</i></u>
• Name of employer	Università degli studi della Tuscia, VITERBO - Italy
• Type of business or sector	Public University
• Occupation or position held	Senior Researcher – Assistant Professor
• Dates (from-to)	<u><i>July 2018 – to date</i></u>
• Name of employer	Apulia Region
• Type of business or sector	Regional Civil Protection Agency – Apulia Region
• Occupation or position held	Member of task force on Natural Risks
• Dates (from-to)	<u><i>February 2011– November 2019</i></u>
• Name of employer	Freelance
• Type of business or sector	Private
• Occupation or position held	Hydraulic Engineer
• Dates (from-to)	<u><i>January 2012 – May 2018</i></u>
• Name of employer	Technical University of BARI - BARI, ITALY
• Type of business or sector	Public University
• Occupation or position held	Research Fellow (Post doctoral researcher)
• Dates (from-to)	<u><i>January 2009 – February 2011</i></u>
• Name of employer	Istituto Agronomico Mediterraneo di Bari - - Bari (CIHEAM-IAMB)
• Type of business or sector	International Research Institution
• Occupation or position held	Research group member

EDUCATION	
• Dates (from-to)	<u>January 2008- April 2011</u>
• Name and type of organization	Università di Cassino (ITALY)
• Principal subjects	Hydraulic Engineering
Title of qualification awarded	PHILOSOPHY DOCTOR (PHD) IN CIVIL ENGINEERING
• Dates (from-to)	<u>March 2005 - March 2007</u>
• Name and type of organization	Technical University of BARI - BARI, ITALY
• Principal subjects	Hydraulic Engineering
Title of qualification awarded	MASTER DEGREE IN CIVIL ENGINEERING
• Dates (from-to)	<u>October 2001 - February 2005</u>
• Name and type of organization	Technical University of BARI - BARI, ITALY
• Principal subjects	Civil Engineering
Title of qualification awarded	BACHELOR'S DEGREE IN CIVIL ENGINEERING

ADDITIONAL EXPERIENCES.	
<u>VISITING SCHOLARSHIP</u>	
• Dates (from-to)	<u>May 2010 – July 2010 (during PhD)</u>
• Name of employer	Instituto Superior Técnico – IST of Lisbon (Portugal)
• Type of business or sector	Public University
• Main activity	Numerical and experimental analysis of water-hammer phenomena in viscoelastic pipes.
<u>EDITORIAL BOARD OF INTERNATIONAL JOURNAL</u>	
• Dates (from-to)	<u>March 2020 – to date</u>
• Name of employer	Geoscientific Instrumentation, Methods and Data Systems (GI) Journal - Copernicus Publications, Bahnhofsallee 1e 37081 Göttingen Germany
• Type of business or sector	International Journal (indexed on Scopus and WOS)
• Main activity	Associate Editor
<u>REVIEWER OF INTERNATIONAL JOURNAL</u>	
List of journals	Journal of Hydrology (ELSEVIER); Composites Part B (ELSEVIER); The Egyptian Journal of Remote Sensing and Space Sciences (ELSEVIER); Water (MDPI); Sustainability (MDPI); Materials (MDPI); Fluids (MDPI); Climate (MDPI); Energies (MDPI); Hydrology (MDPI); Infrastructures (MDPI); International Journal of Environmental Research and Public Health (MDPI); Hydrological Science Journal (Taylor & Francis); International Journal of River Basin Management (Taylor & Francis); Urban Water Journal (Taylor & Francis).

PERSONAL SKILLS AND COMPETENCES	
<i>Mother Tongue</i>	Italian
<i>Other Languages</i>	English

• Reading skills	Proficient user
• Writing skills	Proficient user
• Verbal skills	Proficient user
<i>Other Languages</i>	Portuguese
• Reading skills	Basic
• Writing skills	Basic
• Verbal skills	Basic
TEACHING AND TUTORING ACTIVITY	
• Dates (from-to)	<u>February 2020 – June 2020</u>
• Name of employer	Università degli studi della Tuscia, VITERBO - Italy
• Type of business or sector	Public University
• Main activity	48 hours of lessons for course of "Water and mountain territory engineering", at the bachelor's degree course in "Mountain Sciences" - Rieti (Italy)
• Dates (from-to)	<u>February 2020 – June 2020</u>
• Name of employer	Università degli studi della Tuscia, VITERBO - Italy
• Type of business or sector	Public University
• Main activity	48 hours of lessons for course of "Water and land engineering", at the bachelor's degree course in "Forestry and Nature Sciences" - Viterbo (Italy)
• Dates (from-to)	<u>February 2018 – February 2020 (two academic years)</u>
• Name of employer	Technical University of BARI - BARI, ITALY
• Type of business or sector	Public University
• Main activity	96 hours of lessons for course of "Sanitary and Environmental Engineering", at the bachelor's degree course in "Environmental Engineering" - Taranto (Italy)
• Dates (from-to)	<u>October 2015 – January 2016</u>
• Name of employer	University of Salento– Lecce (Italy)
• Type of business or sector	Public University
• Main activity	96 hours of lessons for course of "Hydraulic" at the bachelor's degree course in "Civil Engineering" - Lecce (Italy)
• Dates (from-to)	<u>September 2013 – April 2016 (three academic years)</u>
• Name of employer	Technical University of BARI - BARI, ITALY
• Type of business or sector	Public University
• Main activity	288 hours of lesson for course of "Hydraulic Construction" at the bachelor's degree course in "Civil Engineering" - Foggia (Italy)
• Dates (from-to)	<u>March 2013 – June 2013</u>
• Name of employer	Technical University of BARI - BARI, ITALY
• Type of business or sector	Public University

• Main activity	48 hours of lesson for course of "Complements of Hydraulic Construction" at the bachelor's degree course in "Civil Engineering" - Foggia (Italy)
• Dates (from-to)	<i>February 2009 – November 2011</i>
• Name of employer	UNINETTUNO – International Telematic University – Roma (Italy)
• Type of business or sector	Private University
• Main activity	Tutor for course of "Hydraulic" and "Hydraulic Construction" at the bachelor's degree course in "Civil Engineering".

Bibliometric information: Author of 2 books and 21 papers. 18 papers are indexed in the Scopus database: Citations: 243 – H-index 9.

LIST OF PUBLICATIONS	
<i>INTERNATIONAL PEER-REVIEW JOURNALS (WOS - SCOPUS)</i>	
1	Apollonio, C. ; Petroselli, A.; Tauro, F.; Cecconi, M.; Biscarini, C.; Zarotti, C.; Grimaldi, S. " <i>Hillslope Erosion Mitigation: An Experimental Proof of a Nature-Based Solution</i> ". Sustainability 2021, 13, 6058. https://doi.org/10.3390/su13116058
2	Pelorusso, R.; Apollonio, C. ; Rocchini, D.; Petroselli, A. " <i>Effects of Land Use-Land Cover Thematic Resolution on Environmental Evaluations</i> ". Remote Sens. 2021, 13, 1232. https://doi.org/10.3390/rs13071232
3	Apollonio, C. , Petroselli, A., Cornelini, P., Manzari, V., Preti, F., & Grimaldi, S. (2021). " <i>Riparian vegetation as a marker for bankfull and management discharge evaluation: The case study of Rio Torbido river basin (central Italy)</i> ". Journal of Agricultural Engineering, 52(2). https://doi.org/10.4081/jae.2021.1140
4	Salvatore Grimaldi, Fernando Nardi, Rodolfo Piscopia, Andrea Petroselli, Ciro Apollonio (2021). " <i>Continuous hydrologic modelling for design simulation in small and ungauged basins: A step forward and some tests for its practical use</i> ", Journal of Hydrology, Volume 595, 125664, ISSN 0022-1694, https://doi.org/10.1016/j.jhydrol.2020.125664 .
5	Gabriella Balacco, Nicola Fontana, Ciro Apollonio , Maurizio Giugni, Gustavo Marini & Alberto Ferruccio Piccinni (2021) " <i>Pressure surges during filling of partially empty undulating pipelines</i> ", ISH Journal of Hydraulic Engineering, DOI: 10.1080/09715010.2018.1548309
6	Annis A.; Nardi F.; Petroselli A.; Apollonio C. ; Arcangeletti E.; Tauro F.; Belli C.; Bianconi R.; Grimaldi, S. " <i>UAV-DEMs for Small-Scale Flood Hazard Mapping</i> ". Water 2020, 12(6), 1717; https://doi.org/10.3390/w12061717 .
7	Apollonio C. ; Bruno M.F.; Iemmolo G.; Molfetta M.G.; Pellicani R. " <i>Flood Risk Evaluation in Ungauged Coastal Areas: The Case Study of Ippocampo (Southern Italy)</i> ". Water 2020, 12(5), 1466; doi.org/10.3390/w12051466
8	Pellicani, R.; Argentiero, I.; Manzari, P.; Spilotro, G.; Marzo, C.; Ermini, R.; Apollonio, C. " <i>UAV and Airborne LiDAR Data for Interpreting Kinematic Evolution of Landslide Movements: The Case Study of the Montescaglioso Landslide (Southern Italy)</i> ". Geosciences 2019, 9, 248. doi: 10.3390/geosciences9060248.
9	Spasiano D., Luongo, V., Race M., Petrella A., Fiore S., Apollonio C. , Pirozzi F., Fratino U., Piccinni Alberto F. (2019) " <i>Sustainable bio-hydrothermal sequencing treatment for asbestos-cement wastes</i> " Journal of Hazardous Materials 364 (2019) 256–263, https://doi.org/10.1016/j.jhazmat.2018.10.025
10	Apollonio, C. , Delle Rose, M., Fidelibus, C., Orlanducci, L., Spasiano, D., (2018) " <i>Water management problems in a karst flood-prone endorheic basin</i> " Environmental Earth Sciences (2018) 77: 676. https://doi.org/10.1007/s12665-018-7866-8
11	Roberta Pellicani, Alessandro Parisi, Gabriele Iemmolo and Ciro Apollonio (2018). " <i>Economic Risk Evaluation in Urban Flooding and Instability-Prone Areas: The Case Study of San Giovanni Rotondo (Southern Italy)</i> " Geosciences 2018, 8 (4), 112; doi: 10.3390/geosciences8040112.
12	Ciro Apollonio , Gabriella Balacco, Antonio Novelli, Eufemia Tarantino and Alberto Ferruccio Piccinni (2016) " <i>Land Use Change Impact on Flooding Areas: The Case Study of Cervaro Basin (Italy)</i> " Sustainability 2016, 8(10), 996; doi:10.3390/su8100996.
13	C. Apollonio , G. Balacco, N. Fontana, M. Giugni, G. Marini and A. F. Piccinni (2016) " <i>Hydraulic transients caused by air expulsion during rapid filling of undulating pipelines</i> " Water 2016, 8(1), 25; http://dx.doi.org/10.3390/w8010025
14	Balacco G., Apollonio C. , Piccinni (2015) " <i>Experimental analysis of air valve behaviour during hydraulic transients</i> " Journal of Applied Water Engineering and Research, Published online: 22 Apr 2015, http://dx.doi.org/10.1080/23249676.2015.1032374

15	Giordano R., D'Agostino D., Apollonio C. , Scardigno A., Pagano A., Portoghese I., Lamaddalena N., Piccinni A. F., Vurro M. (2015) <i>"Evaluating acceptability of groundwater protection measures under different agricultural policies"</i> Agricultural Water Management Volume 147 (2015), 54-66, http://dx.doi.org/10.1016/j.agwat.2014.07.023
16	C. Apollonio , D. I. C. Covas, G. de Marinis, A. Leopardi, H. M. Ramos (2014). <i>"Creep Functions for transients in HDPE pipes"</i> . Urban Water Journal. DOI:10.1080/1573062X.2012.758295.
17	I. Portoghese, D. D'Agostino, R. Giordano, A. Scardigno, C. Apollonio , M. Vurro (2013) <i>"An integrated modelling tool to evaluate the acceptability of irrigation constraint measures for groundwater protection"</i> . Environmental Modelling & Software Volume 46 August 2013, 90-103, ISSN 1364-8152, http://dx.doi.org/10.1016/j.envsoft.2013.03.001
18	R. Giordano, D. D'Agostino, C. Apollonio , M. Vurro, N. Lamaddalena (2013). <i>"Bayesian Belief Network to support conflict analysis for groundwater protection: the case of the Apulia Region"</i> . Journal of Environmental Management. DOI: 10.1016/j.jenvman.2012.11.011.
INTERNATIONAL PEER-REVIEW PROCEEDINGS (WOS - SCOPUS)	
1	Apollonio C. , Petroselli A., Pelorosso R., Grimaldi S., Frontuto C. L., Russo G., Di Modugno M., Miroballo C., Muciaccia M. <i>"The use of lamination basins for mitigation of the Urban Flooding Risk: the Case Study of Peschici"</i> . La Rosa D., Privitera R. (eds) Innovation in Urban and Regional Planning. INPUT 2021. Lecture Notes in Civil Engineering, vol 146. Pages 491 – 500. Springer, Cham., 2021.
2	Pelorosso R, Petroselli A, Apollonio C , Grimaldi S. <i>"Blue-Green Roofs: Hydrological Evaluation of a Case Study in Viterbo, Central Italy"</i> . La Rosa D., Privitera R. (eds) Innovation in Urban and Regional Planning. INPUT 2021. Lecture Notes in Civil Engineering, vol 146. Pages 3 – 13. Springer, Cham., 2021.
3	Apollonio C. , Ferrante R., Piccinni A.F. (2017) <i>"Preventive Approach to Reduce Risk Caused by Failure of a Rainwater Drainage System: The Case Study of Corato (Southern Italy)"</i> . In Gervasi O. et al. (eds) Computational Science and its Applications – ICCSA 2017. ICCSA 2017. Lecture Notes in Computer Science, vol. 10405. Springer, Cham. DOI: 10.1007/978-3-319-62395-5_18
4	Apollonio C. , Balacco G., Gioia A., Iacobellis V., Piccinni A.F. (2017) <i>"Flood Hazard Assessment of the Fortore River Downstream the Occhito Dam, in Southern Italy"</i> . In Gervasi O. et al. (eds) Computational Science and its Applications – ICCSA 2017. ICCSA 2017. Lecture Notes in Computer Science, vol. 10405. Springer, Cham. DOI: 10.1007/978-3-319-62395-5_15
5	Novelli A., Tarantino E., Caradonna G., Apollonio C. , Balacco G., Piccinni A.F. (2016). <i>"Improving the ANN classification accuracy of landsat data through spectral indices and linear transformation (PCA and TCT) Aimed at LU/LC Monitoring of a River Basin"</i> . 16th International Conference on Computational Science and Its Applications, ICCSA 2016, Beijing, China 4 July 2016 – 7 July 2016. DOI: 10.1007/978-3-319-42108-7_32
6	Apollonio C. , D'Agostino D., Giordano R., Lamaddalena N., Milella P., Piccinni A.F., Portoghese I., Scardigno A. and Vurro M. <i>"An innovative monitoring system for sustainable management of groundwater resources: objectives stakeholder acceptability and implementation strategy"</i> . 2010 IEEE Workshop on Environmental, Energy, and Structural Monitoring Systems, Taranto (Italy).
INTERNATIONAL PEER-REVIEW PROCEEDINGS	
1	Montaruli M., Apollonio C. , Di Nunzio G., Gioia A., Iacobellis V., Piccinni A. F. and Tedeschi G. (2013). <i>"Flood risk scenarios downstream of the Occhito dam on the Fortore river, Southern Italy"</i> . 9 th International Symposium of ICOLD European Club dedicated to "Sharing Experience for Safe and Sustainable Water Storage", Venice on April 10-12, 2013-
2	Apollonio C. , de Marinis G., Leopardi A. (2010). <i>"Water Hammer in Branched Systems - Behaviour of Viscoelastic Pipes"</i> . In: Proc. of the IAHR European Congress. Edinburgh, Scotland, UK, May 3-7, 2010, ISBN/ISSN: 9780956595102.
3	Apollonio C. , de Marinis G., Leopardi A., (2009). <i>"Water hammer in viscoelastic pipes – The effect of the junctions – First Results"</i> . 33rd IAHR Congress: Water Engineering for a Sustainable Environment Copyright © 2009 by International Association of Hydraulic Engineering & Research (IAHR) ISBN: 978-94-90365-01-1
NATIONAL BOOKS	
1	Vurro M., Lamaddalena N., Piccinni A.F., Apollonio C., D'Agostino D.R., Giordano R., Ingravalle S., Milella P., Portoghese I., Scardigno A. (2011). <i>"Sviluppo di un modello di Gestione Sostenibile degli Acquiferi Pugliesi (GESAP)"</i> . IRSA-CNR, CIHEAM-IAMB e Fondazione Cassa di Risparmio di Puglia, 175 pp. ISBN: 2-85352-474-4.

2	Lamaddalena N., F. Palmieri, C. Apollonio, E. Natale, A. Casciolo, C. Morfino, G. Romano (2009). " <i>Indagine sperimentale sui sistemi automatizzati per uso irriguo. Attività di assistenza tecnica e supporto agli enti concessionari nel settore dell'uso irriguo delle risorse idriche</i> ". I.N.E.A - ISBN 978-88-8145-187-6
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August 23, 2021

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