

CURRICULUM VITAE

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Title	Ph.D.
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Teaching Career	2019-present: Assistant Professor, University of Milano-Statale 2010-2019: Assistant Professor, University of Salento 2006: Ph.D. in Hydraulics and Environmental Engineering with focus on Coastal Engineering, University of Calabria 2002: Master Degree in Civil Engineering (Hydraulics), University of Calabria
Teaching Activities	Since 2020: Course of "Coastal Risks and Dynamics", Master Degree of "Marine Sciences", University of Milano-Bicocca. In English Since 2020: Course of "Agricultural and Natural Resource Economics and Policy", Master Degree of "Environmental Change and Global Sustainability", University of Milano-Statale. In English Since 2019: Course of "Water Resources Sustainable Economy", Master Degree of "Environmental and Food Economics". In English 2010-2018: Course of "Hydraulic Engineering", Bachelor of Science (BSc) of Civil Engineering, University of Salento. In Italian
Other Activities	National and International Research Projects; Research Grants and Contracts; Research Student Supervision; Supervision of MSc and BSc students; Member of Academic Boards and Professional Affiliations; Organization of Conferences, Workshops and Meetings; Participation as Speaker at Conferences and Workshops; Board Member and Chair at International Conferences; Member of Ph.D. Examination Panels; Invited Seminars and Lecturers; Reviewer for International Journals; Management and Administrative Activity; Consultancy Activity. Publication summary: https://www.scopus.com/authid/detail.uri?authorId=36729776600 https://app.webofknowledge.com/author/record/2469440
Research Activities	I was/am partner of national and EU projects (e.g. FP6-Hydralab III, FP7-Hydralab IV, Guideport). I was Visiting Research Scientist at "Laboratorio Nacional de Engenharia Civil" (LNEC), Lisbon, Portugal, and at Coastal and Hydraulics Laboratory, U.S. Army ERDC, Vicksburg, Mississippi, USA. I have carried out physical model tests in different international laboratories (e.g. LSTF, Vicksburg; CIEM-LIM, Barcelona; DHI, Hørsholm). In the last 15 years my scientific research has been mainly related to the fields of Coastal Engineering and Environmental Hydraulics, and shows a high degree of eclecticism covering: wave breaking modelling in Boussinesq Type Equations (BTE), wave-dune interaction and beach resilience, longshore transport, multivariate design and structural risk in coastal and off-shore engineering, wave and wind energy converters, coastal ecosystem restoration. Investigations combine numerical modelling with both controlled laboratory experiments and field observations. I am author/co-author of more than 100 publications in international peer-reviewed journals and conference proceedings. I am reviewer for highly qualified international journals.

<p>List of 10 main Publications of the last 5 years</p>	<ol style="list-style-type: none"> 1. Salvadori, G., Tomasicchio, G.R., D'Alessandro, F., Lusito, L., Francone, A. (2020). Multivariate sea storm hindcasting and design: the isotropic buoy-ungauged generator procedure. <i>Scientific Reports</i>, 10(1), 20517. 2. Tomasicchio, G.R., Francone, A., Simmonds, D.J., D'Alessandro, F., Frega, F. (2020). Prediction of Shoreline Evolution. Reliability of a General Model for the Mixed Beach Case. <i>Journal of Marine Science and Engineering</i>, 8, 361. 3. D'Alessandro, F., Tomasicchio, G.R., Francone, A., Leone, E., Frega, F., Chiaia, G., Saponieri, A., Damiani, L. (2020). Coastal sand dune restoration with an eco-friendly technique. <i>Aquatic Ecosystem Health & Management</i>, 23:4, 417-426. 4. Tomasicchio, G.R., Mahmoudi Kurdistani, S., D'Alessandro, F., Hassanabadi, L. (2020). Simple wave breaking depth index formula for regular waves. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i>, 146(1): 06019001. 5. Penna, N., D'Alessandro, F., Gaudio, R., Tomasicchio, G.R. (2019). Three-dimensional analysis of local scouring induced by a rotating ship propeller. <i>Ocean Engineering</i>, 188, 106294. 6. Pantusa, D., D'Alessandro, F., Riefolo, L., Principato, F., Tomasicchio, G.R. (2018). Application of a Coastal Vulnerability Index. A case study along the Apulian coastline, Italy. <i>Water</i>, 10(9), 1218. 7. Tomasicchio, G.R., Lusito, L., D'Alessandro, F., Frega, F., Francone, A., De Bartolo, S. (2018). A direct scaling analysis for the sea level rise. <i>Stochastic Environmental Research and Risk Assessment</i>, 32(12), 3397-3408. 8. Tomasicchio, G.R., D'Alessandro, F., Avossa, A.M., Riefolo, L., Musci, E., Ricciardelli, F., Vicinanza, D. (2018). Experimental modelling of the dynamic behaviour of a spar buoy wind turbine. <i>Renewable Energy</i>, 127, 412-432. 9. Smith, E.R., D'Alessandro, F., Tomasicchio, G.R., Gailani, J.Z. (2017). Nearshore placement of a sand dredged mound. <i>Coastal Engineering</i>, 126, 1-10. 10. D'Alessandro, F., Tomasicchio, G.R. (2016). Wave-dune interaction and beach resilience in large-scale physical model tests. <i>Coastal Engineering</i>, 116, 15-25.
<p>Scientific Expertise</p>	<p>Coastal engineering; Sediment transport processes; Beach-dune system morphodynamics; Innovative dune restoration methods against storm surge, flooding, and wind/wave induced erosion; Wave-beach/structure-sediment interaction</p>