Graduated in 2004 in Biological Sciences, CL became Doctor of Philosophy in 2008 in Experimental Ecology and Geobotany at the University of Pavia.
Permanent researcher at ENEA since December 2010, as marine ecologist she studies plastic and adaptive responses in marine bioconstructional calcifying organisms (invertebrates) threaten by climate change (i.e., acidification, warming, hypoxia). Dr Lombardi is especially interested in the role of such organisms in mitigation and adaptation strategies to Climate Change.
Since 2010, she trains master and PhD students in collaboration with Italian and foreign Universities, and teachers in universities and PhD schools (since 2014: Didactic Lab in Marine Biology; November 2019: PhD Course for the Doctoral School in 'Earth and Environmental Science, University of Pavia; 2014-2018: teaching and PhD supervision, MARES 'Doctoral School in Ecosystem Health and Conservation' (EU-Erasmus Mundus project, University of Gent); September 2015: Summer Schools in Marine Biology and Geobotany, MAR-ECO Life Long Learning Program (Universities of Pavia, Gent and Malta).
As scientific coordinator of two Antarctic projects (ICE-CLIMALIZERS in 2016, BIOROSS in 2018), Dr Lombardi took part to two Antarctic expeditions in Terra Nova Bay, doing scientific diving activities under the ice-pack supported by the Navy Diving special corp. She regularly collaborates with national and international institutes as project partners (PNRR, Interreg, PNRA, Erasmus Mundus, EU FP7).
She is author of more than 80 scientific publications (h-index 18), including peer review papers, chapter books and conference proceedings, and act as *Reviewer editor* and Editor for two international journals. She is also do citizen science projects and dissemination activities for public and schools, often through MEDIA (TV and radio).
Since 2021, insieme a CNR, INGV, Municipalità di Lerici, Scuola di Mare Santa Teresa e Cooperativa di Mitilicoltori Associati, istituisce *Smart Bay Santa Teresa* (https://smartbaysteresa.com), prima Smart Bay italiana e piattaforma di cooperazione per la creazione di un primo 'ecosistema mare-uomo' completamente sostenibile.