

CURRICULUM VITAE



PERSONAL INFORMATION

First Name/Surname

Address

Telephone

Fax

E-mail

Nationality

Date of birth

Gender

EDOARDO CASOLI

Italian

04/11/1987

Male

edoardo.casoli@uniroma1.it; edoardo.casoli@gmail.com

WORK EXPERIENCE

- Dates
- Occupation or position held
- Type of business or sector
- Name and address of employer

- Main activities and responsibilities

June 2018

Teacher

Department of Environmental Biology of University of Rome "Sapienza" Piazzale Aldo Moro, 5 – 00185 Rome, Italy

Stage di Biologia Marina e Subacquea Scientifica: "Le biocostruzioni marine", Palinuro (Salerno) 4 – 10 giugno 2018.

- Dates
- Occupation or position held
- Type of business or sector
- Name and address of employer

- Main activities and responsibilities

June 2017 – February 2020

Post – Doc Researcher

Scientific Research

Department of Environmental Biology of University of Rome "Sapienza" Piazzale Aldo Moro, 5 – 00185 Rome, Italy

Biology and ecology of coralligenous reefs; Distribution patterns of benthic organisms; Underwater photography as a tool for study marine habitats; Human – mediated impacts on marine benthic communities.

- Dates
- Occupation or position held
- Type of business or sector
- Name and address of employer

- Main activities and responsibilities

June 2017 - Present

Environmental Consultant

Environmental care and monitoring

POLARIS SRL, Via Puntoni 5/A – 57127 Livorno; CIBM, Consorzio per il Centro Interuniversitario di Biologia Marina ed Ecologia Applicata, V.le Sauro, 4 57128 Livorno, Italy

Assessment of environmental impact of Costa Concordia Removal operations – Remediation phase (WP9); Underwater survey and sampling, seabed mapping and data analysis.

- Dates
- Occupation or position held
- Type of business or sector
- Name and address of employer

- Main activities and responsibilities

December 2014 - June 2017

Environmental Consultant

Environmental care and monitoring

CIBM, Consorzio per il Centro Interuniversitario di Biologia Marina ed Ecologia Applicata, V.le Sauro, 4 57128 Livorno, Italy

Survey, Sampling and Data Analysis during Costa Concordia Removal operations - Remediation phase. Seabed and Benthic communities (Posidonia oceanica beds and Coralligenous bioconcretions) monitoring, Plankton sampling, Seabed charts editing (Sediment, Benthic communities, debris, impacts and clump weights position), HD Photo-Video Surveys, CTD Probe Measurements.

- Dates
- Occupation or position held
- Type of business or sector
- Name and address of employer
- Main activities and responsibilities

September 2013 - December 2014

Environmental Consultant

Environmental care and monitoring

Titan Salvage, Micoperi srl, University of Rome "Sapienza" at Island of Gilgjo, Italy

Assessing environmental impact of Costa Concordia Removal operations. Seabed and Benthic communities (Posidonia oceanica beds and Coralligenous bioconcretions) surveys, Plankton sampling, Seabed charts editing (Sediment, Benthic communities, debris, impacts and clump weights position), HD Photo-Video Surveys.

- Dates

January 2012

Student

MaGIC project-Marine Geohazards along Italian Coasts

URANIA research vessel (CNR)

Data acquisition using Chirp, Side Scan Sonar, Multi Beam, ROV and Van Veen Grab along Sicilian and Calabrian Coasts

- Dates
- Occupation or position held
- Type of business or sector
- Name and address of employer
- Main activities and responsibilities

September 2007 - September 2012

Paid placement within Department of Biology and Biotechnology of University of Rome "Sapienza" Piazzale Aldo Moro, 5 – 00185 Rome, Italy

Library

Department of Biology and Biotechnology "Charles Darwin" library

Library activities

EDUCATION AND TRAINING

Dates

Name and type of organization providing education and training

Title of qualification awarded

November 2016

ARPAT - Agenzia Regionale per la Protezione Ambientale della Toscana

Workshop: "Habitat di fondo marino sottoposti a danno fisico: studio dell'Epimegabenthos"

Dates

June 2015 and June 2019

Italian Association for Scientific Divers, Via S. Alberto, 163 - 48123 Ravenna, Italy

- Name and type of organization providing education and training
- Principal subject/occupational skills covered

Biology and Ecology

- Title of qualification awarded

European Scientific Diver and Advanced European Scientific Diver

•Dates

October 2013- February 2017

Department of Environmental Biology of University of Rome "Sapienza" Piazzale Aldo Moro, 5 – 00185 Rome, Italy

- Name and type of organization providing education and training
- Principal subject/occupational skills covered

General sector: Zoology, Botany, Ecology, Palaeontology, Sedimentology

Professional sector: Marine Ecology

Combining old and new sampling methods in benthic research: from biodiversity to human-mediated impacts on coralligenous reefs.

- Title of qualification awarded

PhD

• Dates

June 2014

Department of Biology and Biotechnology of University of Rome "Sapienza" Piazzale Aldo Moro, 5 – 00185 Rome, Italy

- Name and type of organization providing education and training
- Title of qualification awarded

Studying evolution in animals and plants through Geometric Morphometrics

• Dates

June 2014

Consiglio Nazionale delle Ricerche, CNR, P.le Aldo Moro 7 - 00185 Rome, Italy

- Name and type of organization providing education and training
- Title of qualification awarded

Workshop "L'attività scientifica subacquea"

•Dates

2010-2013

<ul style="list-style-type: none"> • Name and type of organization providing education and training 	<p>Department of Environmental and Evolutionary Biology of University of Rome "Sapienza" Piazzale Aldo Moro, 5 – 00185 Rome, Italy ISCR- Istituto Superiore per la Conservazione ed il Restauro Via san Michele, 23 - 00153 Rome, Italy.</p>
<ul style="list-style-type: none"> • Principal subject/occupational skills covered 	<p>General sector: Zoology, Botany, Geology, Marine Geophysics, Palaeontology, Sedimentology Professional sector: Marine Ecology Study of community development on calcareous artificial substrata deployed on Archaeological underwater site of Baia (Naples); settlement and colonization of epibenthic and endobenthic assemblages are clearly defined.</p>
<ul style="list-style-type: none"> • Title of qualification awarded 	<p>Master degree in Marine Science 110/110 cum laude</p>
<ul style="list-style-type: none"> • Dates 	<p>2006-2010</p>
<ul style="list-style-type: none"> • Name and type of organization providing education and training 	<p>Department of Biology and Biotechnology "Charles Darwin" of University of Rome "Sapienza" Piazzale Aldo Moro, 5 – 00185 Rome, Italy.</p>
<ul style="list-style-type: none"> • Principal subject/occupational skills covered 	<p>General sector: Zoology, Botany, Geology, Palaeontology, Sedimentology, Mineralogy, Geography, Climatology, Chemistry, Physiology, Geochemistry Professional sector: Zoology and Marine ecology Literature-review based dissertation about distribution, relative abundance, feeding and genetics of Sperm whale (<i>Physeter catodon</i>) in Mediterranean Sea.</p>
<ul style="list-style-type: none"> • Title of qualification awarded 	<p>Beachelor degree in Natural Science 110/110 cum laude</p>
<ul style="list-style-type: none"> • Dates 	<p>October 2008</p>
<ul style="list-style-type: none"> • Name and type if organization providing education and training 	<p><i>Submegattera</i>, Lungomare Pyrgi, Santa Severa 0058 Rome, Italy</p>
<ul style="list-style-type: none"> • Title of qualification awaded 	<p>Speciality Diver (Dry Suit Diver) (0810E12325), PADI</p>
<ul style="list-style-type: none"> • Dates 	<p>August 2008</p>
<ul style="list-style-type: none"> • Name and type of organization providing education and training 	<p><i>Submegattera</i>, Lungomare Pyrgi, Santa Severa 0058 Rome, Italy</p>
<ul style="list-style-type: none"> • Title of qualification awarded 	<p>Advanced Open Water Diver (0808E46023), PADI Certification</p>
<ul style="list-style-type: none"> • Dates 	<p>April 2008</p>
<ul style="list-style-type: none"> • Name and type of organization providing education and training 	<p><i>Submegattera</i>, Lungomare Pyrgi, Santa Severa 0058 Rome, Italy</p>
<ul style="list-style-type: none"> • Title of qualification awarded 	<p>Open Water Diver (0805E64293), PADI Certification</p>
<ul style="list-style-type: none"> • Dates 	<p>August 2006</p>
<ul style="list-style-type: none"> • Name and type of organization providing education and training 	<p>Embassy CES at Lasell College, Boston, Massachusetts (USA).</p>
<ul style="list-style-type: none"> • Principal subject/occupational skills covered 	<p>English language course.</p>
<ul style="list-style-type: none"> • Dates 	<p>2001-2006</p>
<ul style="list-style-type: none"> • Name and type of organization providing education and training 	<p>Liceo Classico Statale "E. Montale" Via di Bravetta, 545 - 00164 Rome, Italy.</p>
<ul style="list-style-type: none"> • Title of qualification awarded 	<p>School leaving certification</p>
<ul style="list-style-type: none"> • Dates 	<p>July 2005</p>
<ul style="list-style-type: none"> • Name and type of organization providing education and training 	<p>Morehampton Language Institute at University College of Dublin (Ireland) (UCD).</p>
<ul style="list-style-type: none"> • Principal subject/occupational skills covered 	<p>English language course.</p>
<ul style="list-style-type: none"> • Dates 	<p>July 2004</p>

- Name and type of organization providing education and training
- Principal subject/occupational skills covered

•Dates

- Name and type of organization providing education and training
- Principal subject/occupational skills covered

PERSONAL SKILLS AND COMPETENCE

Mother tongue

Other languages
Self-assessment
European level (*)

Stafford House Study Holidays in Edinburgh (Scotland).

English language course.

July 2003

Universal language services ltd at Kingston Hill Huniversity, London (England).

English language course.

Italian

	Understanding		Speaking		Writing	
	Listening	Reading	Spoken interaction	Spoken production		
English	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	

(*) Common European Framework of References for Languages

Social skills and competence

Excellent communication ad team spirit developed after several years of bartending in contact with people from other countries and cultures.

Organization skills and competences.

Working in teams to reach commune objectives; skills acquired after experiences in research project and other areas, often collaborating with my university colleagues.

Technical skills and competences

Experience in underwater survey (sampling and data collection), identification skills (good knowledge of Gastropoda, Bivalvia, Serpulidae, Syllidae, Amphipoda, Tanaidacea, Isopoda, Decapoda, Bryozoa taxonomy), collection of benthic and demersal specimens, Underwater visual census (UVC), underwater photography skills, cartography skills (good knowledge of ArcGIS and Global Mapper softwares), evaluation of health status of *Posidonia oceanica* meadows and Coralligenous assemblages, analysis of endobenthic community (Casting-embedding technique), microscopy skills (SEM and light microscopy), image analysis (good knowledge of ImageJ, PhotoQuad and Photoshop), statistical analysis of environmental data (good knowledge of R software), Sismic profile, Side Scan Sonar, Multi Beam data interpretation, experienced computers user (Microsoft office package and the others cited above). Biodiversity, Non-indigenous species and sea-floor integrity are the MSFD descriptors that fit with my profile. Reviewer for the following journals: Ecological Indicators; Aquatic Conservation: Marine and Freshwater Ecosystems; Science of the Total Environment; Journal of Environmental Management.

Driving Licenses

Types A and B, Boat license within 12 miles

PUBLICATIONS

PEER REVIEWED PUBLICATIONS

Casoli E., Ricci S., Belluscio A., Gravina M.F., Ardizzone G.D. (2015). Settlement and colonization of epi-endobenthic communities on calcareous substrata in an underwater archaeological site. *Marine Ecology*, 36: 1060-1074. DOI: 10.1111/maec.12201

Casoli E., Ricci S., Antonelli F., Sacco Perasso C., Belluscio A., Ardizzone G.D. (2016). Impact and colonization dynamics of the bivalve *Rocellaria dubia* on limestone experimental panels in the submerged Roman city of Baiae (Naples, Italy). *International Biodeterioration & Biodegradation*, 108: 9-15. DOI: 10.1016/j.ibiod.2015.11.026

Casoli E., Ventura D., Modica M.V., Belluscio A., Capello M., Oliverio M., Ardizzone G.D. (2016). A massive ingress of the alien species *Mytilus edulis* L. (Bivalvia: Mollusca) into the Mediterranean Sea following the Costa Concordia cruise-ship disaster. *Mediterranean Marine Science*, 17(2): 404-416. DOI: 10.12681/mms.1619

Ricci S., Antonelli F., Sacco Perasso C., Poggi D., **Casoli E.** (2016). Bioerosion of submerged lapideous artefacts: Role of endolithic rhizoids of *Acetabularia acetabulum* (Dasycladales, Chlorophyta). *International Biodeterioration & Biodegradation*, 107: 10-16. DOI: 10.1016/j.ibiod.2015.10.024

Casoli E., Bonifazi A., Ardizzone G.D., Gravina M.F. (2016). How algae influence sessile marine organisms: the tube worms case of study. *Estuarine, Coastal and Shelf Science*, 178: 12-20. DOI: 10.1016/j.ecss.2016.05.017

Casoli E., Nicoletti L., Mastrantonio G., Jona-Lasinio G., Belluscio A., Ardizzone G.D. (2017). Scuba diving damage on coralligenous builders: bryozoan species as indicator of stress. *Ecological Indicators*, 74: 441-450. DOI: 10.1016/j.ecolind.2016.12.005

Casoli E., Ventura D., Cutroneo L., Capello M., Jona-Lasinio G., Rinaldi R., Criscoli A., Belluscio A., Ardizzone G.D. (2017). Assessment of the impact of salvaging the Costa Concordia wreck on the deep coralligenous habitats. *Ecological Indicators*, 80: 124-134. DOI: 10.1016/j.ecolind.2017.04.058

Toniolo C., Di Sotto A., Di Giacomo S., Ventura D., **Casoli E.**, Belluscio A., Nicoletti M., Ardizzone G.D. (2018). Seagrass *Posidonia oceanica* (L.) Delile as a marine biomarker: A metabolomic and toxicological analysis. *Ecosphere*, 9(3): e02054. DOI: 10.1002/ecs2.2054

Casoli E., Bonifazi A., Ardizzone G.D., Gravina M.F., Russo G.F., Sandulli R., Donnarumma L. (2019). Comparative analysis of mollusc assemblages from different hard bottom habitats in the central Tyrrhenian Sea. *Diversity*, 11(5):74. DOI: 10.3390/d11050074

Casoli E., Ricci S., Antonelli F., Sacco Perasso C., Ardizzone G.D., Gravina M.F. (2019). Colonization dynamic on experimental limestone substrata: the role of encrusting epilithics favouring boring polychaetes. *Hydrobiologia*, 842(1): 101-112. DOI: 10.1007/s10750-019-04028-9

Gravina M.F., Antonelli F., Sacco Perasso C., Cesaretti A., **Casoli E.**, Ricci S. (2019). The role of polychaetes in bioerosion of submerged mosaic floors in the Underwater Archaeological Park of Baiae (Naples, Italy). *Facies*, 65(2): 19. DOI: 10.1007/s10347-019-0563-6

Mancini G., **Casoli E.**, Ventura D., Jona-Lasinio G., Criscoli A., Belluscio A., Ardizzone G.D. (2019). Impact of the Costa Concordia shipwreck on a *Posidonia oceanica* meadow: a multi-scale assessment from a population to a landscape level. *Marine Pollution Bulletin*, 148: 168-181. DOI: 10.1016/j.marpolbul.2019.07.044

Casoli E., Piazzi L., Nicoletti L., Jona-Lasinio G., Cecchi E., Mancini G., Belluscio A., Ardizzone G.D. (2020). Ecology, distribution and demography of erect bryozoans in Mediterranean coralligenous reefs. *Estuarine, Coastal and Shelf Science*, 235: 106573

Mecca S., **Casoli E.**, Ardizzone G.D., Gambi M.C. (2020). Effects of ocean acidification on phenology and epiphytes of the seagrass *Posidonia oceanica* at two CO₂ vent systems of Ischia (Italy). *Mediterranean Marine Science*, *in press*.

OTHER PUBLICATIONS

Casoli E., Gravina M.F., Belluscio A., Ardizzone G.D. (2015). Serpulidae polychaetes (Annelida) from coralligenous concretions from Giglio Island (Tuscany). 46° Congresso della Società Italiana di Biologia Marina, Rome 10-12 June 2015.

Stipchic P., **Casoli E.**, Belluscio A., Ardizzone G.D. (2016). Characterization of coralligenous assemblages dominated by *Eunicella cavolini* (Koch, 1887) and *Paramuricea clavata* (Risso, 1826) in Giglio Island, Tuscany. 47° Congresso della Società Italiana di Biologia Marina, Turin 13-17 June 2016.

Casoli E., Nicoletti L., Mastrantonio G., Jona-Lasinio G., Belluscio A., Ardizzone G.D. (2017). Scuba diving damage on coralligenous builders: bryozoan species as indicator of stress. Workshop Il coralligeno dei mari italiani, Ustica 5-8 September 2017.

Casoli E., Nicoletti L., Ventura D., Belluscio A., Giandomenico G.D. (2017). Photography in the study of bryozoan assemblages in coralligenous habitats; how different growth forms contribute to the development of the framework. 52th European Marine Biology Symposium, Piran 25-29 September 2017.

Casoli E., Antonelli F., Sacco Perasso C., Cesaretti A., Gravina M.F., Ricci S. (2017). Occurrence of boring polychaetes in calcareous panels at Baiae (Naples, Italy). 9th International Bioerosion Workshop, Rome 23-27 October 2017.

Casoli E., Antonelli F., Sacco Perasso C., Ricci S. (2017). Ichnological approach to the study of microendolithic colonization of experimental carbonate substrates. 9th International Bioerosion Workshop, Rome 23-27 October 2017.

Ricci S., Antonelli F., Sacco Perasso C., Cesaretti A., **Casoli E.**, Gravina M.F., (2017). The case study of polychaetes borers of submerged mosaic floors in the Underwater Archaeological Park of Baiae (Naples, Italy). 9th International Bioerosion Workshop, Rome 23-27 October 2017.

Casoli E., Ventura D., Mancini G., Belluscio A., Ardizzone G.D. (2019). Un nuovo strumento per lo studio e il monitoraggio dei reefs a coralligeno. 50° Congresso della Società Italiana di Biologia Marina, Livorno 10-14 June 2019.

Ventura D., Bonifazi A., Gravina M.F., **Casoli E.**, Mancini G., Belluscio A., Ardizzone G.D. (2019). Rilievo GPS-RTK e fotogrammetria con drone per la valutazione degli effetti di un evento estremo di mareggiata in una baia rocciosa dell'Isola del Giglio. 50° Congresso della Società Italiana di Biologia Marina, Livorno 10-14 June 2019.

ATTACHED FILES

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