

CURRICULUM VITAE ET STUDIORUM

Jacopo Gobbato, PhD Student

Department of Earth and Environmental Sciences (DISAT)
MaRHE (Marine Research and High Education Center)
University of Milano – Bicocca (Italy)

CONTACT INFORMATION

- **Name:** Jacopo Gobbato
- **Date and place of birth:** 23 May 1993, Bergamo (Italy)
- **Nationality:** Italian
- **Address (Home):** Via Brembo 4, Seriate (BG), 24068, Italy
- **Address (Work):** Piazza della Scienza 1, Milano (MI), 20126, Italy
- **Telephone:** +39 3925567889 (Mobile);
- **Email:** jacopo.gobbato@unimib.it
- **Webex:** jacopo.gobbato@unimib.it (<https://unimib.webex.com/meet/jacopo.gobbato>)
- **Google Meet:** jacopo.gobbato@unimib.it
- **SCOPUS Author ID:** 57876563900
- **ORCID ID:** 0000-0002-8199-059X
- **Google Scholar:** <https://scholar.google.com/citations?user=tYEBXYUAAAAJ&hl=it>
- **ResearchGate:** <https://www.researchgate.net/profile/Jacopo-Gobbato>

CURRENT OCCUPATION – RESEARCH AREA

**PhD Student at the University of Milano–Bicocca,
Department of Earth and Environmental Sciences (DISAT)
MaRHE Center (Marine Research and High Education Center), Maldives.**

I am a marine biologist mainly interested in the ecology and biology of the coral reef system, Mediterranean Marine Animal Forest, and associated fauna. My current research activities focus on the health and disease assessment of the shallow water anthozoan in the Mediterranean Sea, from different points of view:

- (a) Emerging contaminant pollution
- (b) Histopathology
- (c) Smart materials and restoration

This is my main area of research, and my PhD project is centered around it. Global climate change and anthropogenic impact are severely threatening many vital habitats worldwide, especially marine environments such as tropical coral reefs or marine animal forests in temperate regions. Corals, as well as others benthic organisms, conducting a sessile life are unable to physically escape stress conditions such as elevated temperature and high input of contaminants. Hence, it is imperative to study the adverse effects on them, actively monitor the situation, and comprehend the underlying processes to establish reference points for identifying solutions or refining policies.

Since 2022, throughout my doctoral studies and associated research, I have delved into the repercussions within the Mediterranean region, focusing on the prevalent species therein, encompassing both scleractinian and octocorals. Furthermore, my expertise is built also in tropical coral reefs and species. Within these organisms, I conducted analyses on various stressors, including thermal stress, employing histopathological techniques to elucidate cellular-level responses. Additionally, I explored contamination by prevalent emerging pollutants such as plastics, pharmaceuticals, and UV protectants. Moreover, my tropical experience encompasses disease assessment, monitoring, and restoration efforts, aimed at transitioning towards more sustainable, eco-friendly practices through the utilization of innovative materials. I am dedicated to transferring this knowledge to benefit the Mediterranean region.

In addition, I am also bringing forward the first steps in shark research for MaRHE Center since 2021, starting from my Master's thesis activity to my post-graduation work. My focus lies predominantly on shark ecology, movement patterns, and social behaviors, areas that suffer from a lack of comprehensive understanding. In this context, I investigated the possible social dynamics of whale sharks' aggregation and conducted ecotoxicological studies on scalloped hammerheads in Mexico, as well as contributing to increasing knowledge about these organisms in a poorly studied region such as the Republic of Maldives. There, our efforts led to the first record of bull sharks in the region, as well as the first case of interspecific chafing behaviour between whale shark and grey reef sharks. Currently, we are conducting population studies and measurements of grey reef sharks and bull sharks, further enriching our understanding of these apex marine species in the region. In the next months, we will bring forward a campaign of skin biopsy collection and tagging of bull shark and hammerhead sharks in the Maldives.

EDUCATION

- 2022 – 2025 **PhD in Chemical, Geological, and Environmental Sciences (XXXVII cycle); SCGA.2, PON “Ricerca e Innovazione” 2014- 2020, Asse IV “Istruzione e ricerca per il recupero” Azione IV.5 “Dottorati su tematiche green”.** Earth and Environmental Sciences Department, University of di Milano-Bicocca, Italy.
- Final dissertation: “*Health and diseases assessment of shallow water anthozoans of the Marine Protected Areas of Portofino and Bergeggi*”
 - Supervisor: Prof. Paolo Galli, PhD Simone Montano
 - European PhD label – Evaluation: ongoing
- 2018 – 2021 **Master’s degree in Marine Sciences.** Earth and Environmental Sciences Department, University of Milano-Bicocca, Italy.
- Final dissertation: “*Assessment of Whale Shark (Rhincodon typus) seasonal residency, distribution, and social patterns in Bahia de La Paz, Mexico.*”
 - Supervisor: PhD Simone Montano, PhD Darren Andrew Whitehead
 - Score: 110/110 cum laude
- 2016 – 2018 **Bachelor’s degree in Biotechnologies.** Biotechnologies and Biosciences Department (BtBs), University of Milano-Bicocca, Italy.
- Final dissertation: “*Microalgae Chlorella sp. C2 used in industrial waste disposal coupled with biofuels production.*”
 - Supervisor: Prof. Paola Branduardi, PhD Stefano Bertacchi
 - Score: 104/110
- 2012 – 2016 **Bachelor’s degree in Materials and Nanotechnologies Engineering.** School of Industrial and Information Engineering, Polytechnic of Milan, Italy.
- Final dissertation: “*Lignin used as eco-sustainable filler in natural rubber blend: characterization and properties analyses.*”
 - Supervisor: Prof. Turri
 - Score: 90/110

PROFESSIONAL EXPERIENCE

- 2022 – 2023 **Baseline marine ecological assessment for designation of Marine Protected Areas (MPAs) in the Maldives.** In collaboration between the University of Milano – Bicocca, MaRHE Center, Ministry of Environment, Climate Change and Technology of Maldivian Government, and Environmental Protection Agency. Monitoring of coral coverage and recovery from 2016 bleaching, and evaluation of fishes and mammal populations across five atolls in the Maldives: Faafu, Dhaalu, Meemu, Thaa, and Huvadhoo.
- Reference: Mushina (EPA and Ministry of the Maldives)
 - Reference: Prof. Paolo Galli (Director of MaRHE Center)
- 2022 **Underwater Instructor and guide, marine biologist.**
White Wave Maldives Ltd., Safari Boat, Maldives.
- Reference: Alberto Gherli (White Wave Maldives Ltd.)
 - Reference: Prof. Paolo Galli (Director of MaRHE Center)
- 2020-2021 **Naturalistic guide, marine biologist.**
Sandies Bathala Resort, Ari Atoll, Maldives.
- Reference: HR Sandies Bathala
 - Reference: Prof. Paolo Galli (Director of MaRHE Center)

ADDITIONAL TRAINING

- 2021 **Shark Research Internship: Monitoring techniques and handling of shark Practical Training.**
Pelagios Kakunjà Marine Conservation, La Paz, Mexico.
- Reference: PhD Darren Andrew Whitehead (Director Shark Research Mexico)
 - Reference: PhD Simone Montano (Vice-director of MaRHE Center)
 - Reference: PhD James Ketchum (Co-founder Pelagios Kakunjà)
 - Reference: PhD Mauricio Hoyos-Padilla (Co-founder Pelagios Kakunjà)
- 2019 **3rd Maldivian Coral Restoration Workshop.**
Earth and Environmental Sciences Department and Marine Research and High Education Center, University of Milano-Bicocca.
- Reference: PhD Simone Montano (Vice-director of MaRHE Center)
 - Reference: PhD Phanor Montoya Maya (Corales de Pas)

TEACHING AND EDUCATIONAL ACTIVITIES

- 2023 - present **“Shark of the Maldives: introduction to field-based research and monitoring techniques” Workshop** on Island Safari 2 boat in collaboration with Shark Research Mexico, White Wave Maldives, and Marine Research and High Education (MaRHE) Center; Republic of Maldives. (90 hours)
- **Scientific assistance and coordinator**
 - Reference: PhD Simone Montano (Organizer and Vice-director of MaRHE Center)
 - Reference: PhD Davide Seveso (Organizer and vice-director of MaRHE Center)
 - Reference: PhD Darren Andrew Whitehead (Scientific advisor and Director Shark Research Mexico)
 - Reference: Alberto Gherli (White Wave Maldives Ltd.)
 - Reference: Prof. Paolo Galli (Director of MaRHE Center)
- 2023 - present **“International Coral Reef Restoration” Workshop** at Marine Research and High Education (MaRHE) Center, University of Milano – Bicocca; Magoodhoo, Faafu Atoll, Republic of Maldives. (90 hours)
- **Scientific assistance and coordinator**
 - Reference: PhD Simone Montano (Organizer and Vice-director of MaRHE Center)
 - Reference: PhD Phanor Montoya Maya (Coral Restoration Foundation)
 - Reference: Prof. Paolo Galli (Director of MaRHE Center)
- 2022 – present **“Tropical Marine Ecology” Workshop** at Marine Research and High Education (MaRHE) Center, University of Milano – Bicocca; Magoodhoo, Faafu Atoll, Republic of Maldives. (90 hours) per 9 editions
- **Scientific assistance and coordinator**
 - Reference: PhD Davide Maggioni (University of Milano – Bicocca)
 - Reference: PhD Luca Fallati (University of Milano – Bicocca)
 - Reference: Prof. Paolo Galli (Director of MaRHE Center)
- 2022 – present **“Ecology and Identification of Tropical Marine Fishes” Workshop** at Marine Research and High Education (MaRHE) Center, University of Milano – Bicocca; Magoodhoo, Faafu Atoll, Republic of Maldives. (90 hours) per 2 editions
- **Scientific assistance and lecturer**
 - Reference: PhD Davide Seveso (Organizer and vice-director of MaRHE Center)
 - Reference: PhD Simone Montano (Organizer and Vice-director of MaRHE Center)
 - Reference: Prof. Paolo Galli (Director of MaRHE Center)

- 2022 – present **“Tropical Marine Ecology” Workshop** at Marine Research and High Education (MaRHE) Center, University of Milano – Bicocca; Magoodhoo, Faafu Atoll, Republic of Maldives for students from University of Exeter (UK). (90 hours) per 3 editions
- **Scientific assistance and coordinator**
 - Reference: Prof. Callum Roberrts (University of Exeter)
 - Reference: Prof. Julie Hawkins (University of Exeter)
 - Reference: Prof. Paolo Galli (Director of MaRHE Center)
- 2022 – present **“Tropical Marine Ecology” Workshop** at Marine Research and High Education (MaRHE) Center, University of Milano – Bicocca; Magoodhoo, Faafu Atoll, Republic of Maldives for students from University of Edenborough (UK). (90 hours) per 3 editions.
- **Scientific assistance and coordinator**
 - Reference: Prof. John Murray Roberts (University of Edenborough)
 - Reference: Prof. Sebastian Hanninge (University of Edenborough)
 - Reference: Prof. Paolo Galli (Director of MaRHE Center)
- 2023 **Invited speaker. Theme: “Health and diseases assessment of shallow water anthozoans of the Marine Protected Areas of Portofino and Bergeggi and introduction to Shark Research”.** (2 hours). Seminar at Biodiversity and Marine Ecology Course in Master degree Marine Sciences, Earth and Environmental Sciences Department, University of Milano-Bicocca, Italy. 4th December 2023
- Reference: PhD Simone Montano (Professor of the course)
 - Reference: Prof. Paolo Galli (Director of Master course)
- 2023 **“Restoring our Ocean and Waters by 2030. The power of the young generations' visionary solutions” Engagement and interaction activities with the school environment** at Liceo Scientifico Vittorio Veneto with the sponsorship of the European Commission, organized by Earth and Environmental Sciences Department, University of Milano-Bicocca, Italy. From 4th – 5th October 2023
- **Scientific assistance and lecturer**
 - Reference: Prof. Paolo Galli (Organizer)
 - Reference: Jose Luiz Moutinho (Coordinator of the EU-funded Blue Mission Atlantic Arctic)
 - Reference: Sigi Gruber (retired European Commission Official)
- 2023 **“Non solo ambiente ma dialoghi di Scienza” Engagement and interaction activities with the school environment, interactive seminar on Artificial Intelligence** at Istituto Marconi di Gorgonzola, organized by Earth and Environmental Sciences Department, University of Milano-Bicocca, Italy. From 15th February – 11th May 2023

- **Lecturer**
- Reference: Prof. Marco Giovanni Malusa (Director of SCGA PhD program)
- Reference: Prof. Paolo Galli (Director of MaRHE Center)

2022

“Delivering workshops and guidance in environmental chemistry to female children living in small Maldivian islands to inspire future scientific careers” Engagement and interaction activities with the school environment at Marine Research and High Education (MaRHE) Center, University of Milano – Bicocca; Magoodhoo, Faafu Atoll, Republic of Maldives. Founded by Oxford “Inclusivity and diversity fund” of the Royal Society of Chemistry (RSC). From 20th November – 11th December 2022

- **Scientific assistance**
- Reference: PhD. Francesco Saliu (Organizer)
- Reference: Prof. Paolo Galli (Director of MaRHE Center)
- Reference: PhD. Immogen Ellen Napper (University of Plymouth – National Geographic)

2022

“Sustainable Tourism and Fragile Environment” Workshop at Marine Research and High Education (MaRHE) Center, University of Milano – Bicocca; Magoodhoo, Faafu Atoll, Republic of Maldives. From 16th – 24th March and March 26th – February 4th 2022 (180 hours)

- **Scientific assistance**
- Reference: Prof. Stefano Malatesta (Organizer)
- Reference: Prof. Paolo Galli (Director of MaRHE Center)

2021

“Coral Health and Disease Assessment” Workshop at Marine Research and High Education (MaRHE) Center, University of Milano–Bicocca; Magoodhoo, Faafu Atoll, Republic of Maldives. November 30th – December 7th, 2021 for a total of 90 hours

- **Scientific assistance**
- Reference: PhD Simone Montano (organizer and Vice-director of MaRHE Center)
- Reference: Prof. Paolo Galli (Director of MaRHE Center)

ABILITIES AND SKILLS

The experiences carried out to date personally and in the academic field allowed the acquisition of diversified skills in the fields of marine biology and ecology, as well as SCUBA diving. A detailed list of the personal abilities and skills follows:

Field skills

Destructive underwater sampling methodologies

- Collection of invertebrates and vertebrates
- Catch and releases, handling, measurement, and specimen collection on small shark
- Shark tagging

Field skills

Non-destructive sampling methodologies

- Collection of ecological and behavioral data by visual census, transect, and quadrats
- Laser and Stereo Photogrammetry
- Baited Remote Underwater Video Station (BRUVS) deployment and analyses
- Drone surveys (Licensed pilot)

Laboratory skills

Main laboratory techniques

- DNA extraction, electrophoresis and PCR analyses
- Slide preparation for histology, from fixation to staining
- Use of SEM
- Statistical analysis software (SPSS and basic R)

Linguistic skills

Native language Italian

- English language: Speaking C1, Reading C1, Writing C1

Diving skills

PADI Open Water Scuba Instructor #4142745 (June 2021) with Deep, Wreck, Digital Underwater Photography; Emergency Oxygen Provider, Enriched Air, Underwater Naturalist, Peak Performance Buoyancy, Project AWARE, AWARE Coral Reef Conservation Specialities

Emergency First Response Instructor (Primary and Secondary Care, Care for Children, and AED; June 2021)

- 1000+ registered dives
- 200+ scientific dives
- PADI Enriched Air Diver
- Tec Rec Gas Blender

SCIENTIFIC RESEARCH ACTIVITY RESUME

- **Publications on Scopus-indexed journals:** 9
- **Non-indexed publications and book chapters:** 0
- **Publications as first author:** 4
- **Academic age:** 2 years, since 2022
- **Metrics (source Scopus):** Citations: 7, H-index: 1, Publications: 9
- **Metrics (source Google Scholar):** Citations: 10, H-index: 2, Publications: 9

SCIENTIFIC PUBLICATIONS

Author of **9 published peer-reviewed papers** in scientific journals.

1. Bises, C., **Gobbato, J.**, Lainati, N., Dehnert, I., Siena, F., Seveso, D., Montalbetti, E., Louis, Y.D., & Montano, S. (2024). Temporal patterns in coral disease prevalences at Thudufushi Island, Maldives, 2010–2022. *Diseases of Aquatic Organisms*, 159, 133–142, <https://doi.org/10.3354/dao03807>
2. Zych, A., Contardi, M., Rinaldi, C., Scribano, V., Isa, V., Kossyvaki, D., **Gobbato, J.**, Ceseracciu, L., Lavorano, S., Galli, P., Athanassiou, A., & Montano, S. (2024). Underwater Quick-Hardening Vegetable Oil-Based Biodegradable Putty for Sustainable Coral Reef Restoration and Rehabilitation. *Advance Sustainable Materials*, 2400110. <https://doi.org/10.1002/adsu.202400110>
3. **Gobbato, J.**, Parmegiani, A., Seveso, D., Galli, P., & Montano, S. (2024). New evidence of grey reef sharks (*Carcharhinus amblyrhynchos*) displaying chafing behaviors on whale shark (*Rhincodon typus*) individuals in the Maldives. *Marine Biodiversity*, 54:34. <https://doi.org/10.1007/s12526-024-01430-y>
4. Whitehead, D.A., Gayford, J.H., Pancaldi, F., **Gobbato, J.**, Boldrin, G., Tringali, M., Ketchum, J.T., Galvan-Magaña, F., Seveso, D., & Montano, S. (2024). Heavy metal and trace element concentrations in the blood of scalloped hammerhead sharks (*Sphyrna lewini*) from La Paz Bay, México. *Marine Pollution Bulletin*, 201, 116155. <https://doi.org/10.1016/j.marpolbul.2024.116155>
5. Isa, V., Seveso, D., Diamante, L., Montalbetti, E., Montano, S., **Gobbato, J.**, Lavorano, S., Galli, P., & Louis, Y.D. (2024). Physical and cellular impact of environmentally relevant microplastic exposure on thermally challenged *Pocillopora damicornis* (Cnidaria, Scleractinia). *Science of The Total Environment*, 918, 170651. <https://doi.org/10.1016/j.scitotenv.2024.170651>

6. **Gobbato, J.**, Becchi, A., Bises, C., Siena, F., Lasagni, M., Saliu, F., Galli, P., & Montano, S. (2024). Occurrence of phthalic acid esters (PAEs) and active pharmaceutical ingredients (APIs) in key species of anthozoans in Mediterranean Sea. *Marine Pollution Bulletin*, 200, 116078. <https://doi.org/10.1016/j.marpolbul.2024.116078>
7. Bises, C., Dehnert, I., Aeby, G., Dennis, M., **Gobbato, J.**, Hodge, J., Staiger, M., Siena, F., Galli, P., & Montano, S. (2023). Widespread Occurrence of Coral Growth Anomalies in the Republic of Maldives. *Diversity*, 16, 15. <https://doi.org/10.3390/d16010015>
8. Parmegiani, A., **Gobbato, J.**, Seveso, D., Galli, P., & Montano, S. (2023). First record of the bull shark *Carcharhinus leucas* (Valenciennes, 1839) from the Maldivian archipelago, central Indian Ocean. *Journal of Fish Biology*, 1–6. <https://doi.org/10.1111/jfb.15518>
9. **Gobbato J.**, Magrini A., García-Hernández E.J., Virdis F., Galli P., Seveso D., & Montano S. (2022). Spatial Ecology of the Association between Demosponges and *Nemalcium lighti* at Bonaire, Dutch Caribbean. *Diversity* 14(8):607. <https://doi.org/10.3390/d14080607>.

GRANT, FELLOWSHIP & AWARDS

2024

1st Rufford Small Grant for Nature Conservation from The Rufford Foundation (UK), for the project “Bull Shark of Laccadive Sea” bull shark tagging and sampling campaign in the Maldives 2024 (6000£).

CONFERENCE PRESENTATIONS

Author and co-author of **30 oral or poster presentations** for national and international congress from 2022 to present

International congresses

1. **Gobbato, J.**, Parmegiani, A., Hussain, H., Askin, A., Seveso, D., Galli, P., Whitehead, A.D., & Montano, S. (2024). New evidence of grey reef sharks (*Carcharhinus amblyrhynchos*) displaying chafing behaviors on whale shark (*Rhincodon typus*) individuals in the Maldives. *V Maldives Marine Science Symposium*, 24th – 25th July 2024, Male, Republic of Maldives.
2. Montalbetti, E., Isa, V., Seveso, D., Diamante, L., Montano, S., **Gobbato, J.**, Lavorano, S., Galli, P., & Louis, Y.D. (2024). Physical and cellular impact of environmentally relevant microplastic exposure on a common Maldivian hard coral (*Pocillopora damicornis*) under heat stress. *V Maldives Marine Science Symposium*, 24th – 25th July 2024, Male, Republic of Maldives.
3. Madaschi, A., Louis, Y.D., Montalbetti, E., Isa, V., Maggioni, D., Bises, C., Cerri, F., **Gobbato, J.**, Galli, P., Montano, S., & Seveso, D. (2024). Thermal preconditioning delays coral bleaching by stimulating antioxidant response and cellular defence in the Maldivian coral *Pocillopora damicornis*. *V Maldives Marine Science Symposium*, 24th – 25th July 2024, Male, Republic of Maldives.
4. Bises, C., **Gobbato, J.**, Siena, F., Galli, P., & Montano, S. (2024). Widespread occurrence and morphological characterization of coral growth anomalies in the Maldivian Archipelago. *V Maldives Marine Science Symposium*, 24th – 25th July 2024, Male, Republic of Maldives.
5. Louis, Y.D., Bino, A., Cerri, F., Nicolai, R., Senna, G., Siena, F., **Gobbato, J.**, Montalbetti, E., Seveso, D., & Galli, P. (2024). Exploring gastropod diversity in mangrove habitats of the Maldives: Implications for conservation and management. *V Maldives Marine Science Symposium*, 24th – 25th July 2024, Male, Republic of Maldives.
6. **Gobbato, J.**, Becchi, A., Bises, C., Siena, F., Madaschi, A., Louis, Y.D., Seveso, D., Saliu, F., Galli, P., & Montano, S. (2024). Assessment of emerging contaminant occurrence in key

- species of anthozoan in the Mediterranean benthic community. *European Coral Reef Symposium (ECRS)*, 2nd – 5th July 2024, Napoli, Italia.
7. Contardi, M., Zych, A., Scribano, V., Rinaldi, C., Kossyvaki, D., Isa, V., **Gobbato, J.**, Lavorano, S., Galli, P., Athanassiou, A., & Montano, S. (2024). Underwater quick-hardening vegetable oil-based biodegradable putty for coral reef restoration and rehabilitation. *European Coral Reef Symposium (ECRS)*, 2nd – 5th July 2024, Napoli, Italia.
 8. Louis, Y.D., Montalbetti, E., Isa, V., Maggioni, D., Madaschi, A., Toniolo, L., **Gobbato, J.**, Montano, S., Lavorano, S., Galli, P., & Seveso, D. (2024). Transcriptomics response of thermally preconditioned *Pocillopora damicornis* to heat stress. *European Coral Reef Symposium (ECRS)*, 2nd – 5th July 2024, Napoli, Italia.
 9. Isa, V., Seveso, D., Diamante, L., Montalbetti, E., Montano, S., **Gobbato, J.**, Lavorano, S., Galli, P., & Louis, Y.D. (2024). Physical and cellular impact of environmentally relevant microplastic exposure on thermally challenged *Pocillopora damicornis* (Cnidaria, Scleractinia). *European Coral Reef Symposium (ECRS)*, 2nd – 5th July 2024, Napoli, Italia.
 10. Siena, F., Gabbiadini, A., **Gobbato, J.**, Dehnert, I., Seveso, D., Fallati, L., Bises, C., Galli, P., & Montano, S. (2024). Map the Giants: preliminary results in locating the largest coral colonies in the Maldives. *European Coral Reef Symposium (ECRS)*, 2nd – 5th July 2024, Napoli, Italia.
 11. Madaschi, A., Louis, Y.D., Montalbetti, E., Isa, V., Maggioni, D., Bises, C., Cerri, F., **Gobbato, J.**, Galli, P., Montano, S. & Seveso, D. (2024). Thermal preconditioning postpones coral bleaching by inducing an antioxidant response and cellular defense mechanisms in two coral species, *Pocillopora damicornis* and *Stylophora pistillata*. *European Coral Reef Symposium (ECRS)*, 2nd – 5th July 2024, Napoli, Italia.
 12. Ghizzi, I., **Gobbato, J.**, Tatangelo, V., Gandolfi, I., Franzetti, A., & Montano, S. (2024). New insights into the microbiome composition of Mediterranean and Maldivian coral species. *European Coral Reef Symposium (ECRS)*, 2nd – 5th July 2024, Napoli, Italia.

13. Bises, C., **Gobbato, J.**, Dehnert, I., Siena, F., Galli, P., & Montano, S. (2024). Morphological characterization of growth anomalies on coral genera *Acropora* and *Pachyseris*. *European Coral Reef Symposium (ECRS)*, 2nd – 5th July 2024, Napoli, Italia.

14. **Gobbato, J.**, Dehnert, I., Seveso, D., Maggioni, D., Montalbetti, E., Strona, G., Siena, F., Amir, H., Antoine, A., Marino-Ramirez, C., Saponari, L., Shah, N.J., Azcarate-Molina, R., Ortega, A.A., Galli, P., Montoya-Maya, P.H., & Montano, S. (2022). Effect of the COVID-19 lockdowns on the management of Maldivian coral restoration projects. *IV Maldives Marine Science Symposium*, 13th – 14th August 2022, Male, Republic of Maldives.

15. Siena, F., Amir, H., Galli, P., Dehnert, I., **Gobbato, J.**, Fallati, L., Maggioni, D., Seveso, D., Montalbetti, E., & Montano, S. (2022). Launching of a national monitoring protocol for coral reef restoration projects. *IV Maldives Marine Science Symposium*, 13th – 14th August 2022, Male, Republic of Maldives.

16. Dehnert, I., Saponari, L., Galli, P., Siena, F., **Gobbato, J.**, Seveso, D., & Montano, S. (2022). Coral gardening in the Maldives: opportunities and challenges of upscaling restoration efforts. *IV Maldives Marine Science Symposium*, 13th – 14th August 2022, Male, Republic of Maldives.

17. Montalbetti, E., Fallati, L., **Gobbato, J.**, Dehnert, I., Casartelli, M., Maggioni, D., Montano, S., Galli, P., & Seveso, D. (2022). Reef complexity influences the distribution and habitat choice of the corallivorous seastar *Culcita schmideliana* in the Maldives. *IV Maldives Marine Science Symposium*, 13th – 14th August 2022, Male, Republic of Maldives.

18. Maggioni, D., Seveso, D., Montalbetti, E., Fallati, L., **Gobbato, J.**, Dehnert, I., Siena, F., Louis, Y.D., Galli, P., & Montano, S. (2022). Hydrozoan research at the MaRHE Center, F. Magoodhoo: an overview. *IV Maldives Marine Science Symposium*, 13th – 14th August 2022, Male, Republic of Maldives.

National Congresses

1. **Gobbato, J.**, Facchinelli, M.P., Siena, F., Galli, P., Work, T.M., & Montano, S. (2023). Climate change and corals: morphological description of tissue necrosis induced by thermal stress in three key species of gorgonians in the Mediterranean Sea. *25th Anniversary of*

Milano-Bicocca University: Vision of the Future, Research, Citizenship, and Sustainable Development, 30th November 2023, Milano, Italia.

2. Louis, Y.D., Cerri, F., Siena, F., **Gobbato, J.**, Montalbetti, E., & Seveso, D. (2023). Diversity and distribution of infaunal macrobenthos in mangrove forests of the Maldives archipelago. *82° Congresso Nazionale dell'Unione Zoologica Italiana (UZI)*, 19th–22nd September 2023, Palermo, Italia.
3. **Gobbato, J.**, Becchi, A., Bises, C., Siena, F., Cerri, F., Madaschi, A., Louis, Y.D., Montalbetti, E., Seveso, D., Saliu, F., Galli, P., & Montano, S. (2023). Assessing the occurrence of Phthalic Acid Esters (PAEs) and Pharmaceutical and Personal Care Products (PPCPs) in Mediterranean key anthozoan species. *32° Congresso della Società Italiana di Ecologia (SITE)*, 6th – 8th September 2023, Catania, Italia.
4. Montalbetti, E., Isa, V., Vencato, S., Louis, Y.D., Montano, S., Lavorano, S., Cerri, F., **Gobbato, J.**, Madaschi, A., Siena, F., Galli, P., & Seveso, D. (2023). Thermal preconditioning delays coral bleaching in the coral *Pocillopora damicornis* by triggering antioxidant response and cellular protection pathways. *32° Congresso della Società Italiana di Ecologia (SITE)*, 6th – 8th September 2023, Catania, Italia.
5. Madaschi, A., Louis, Y.D., Montalbetti, E., Isa, V., Maggioni, D., Pravettoni, L., Pollutri, R., Bises, C., Cerri, F., **Gobbato, J.**, Galli, P., Montano, S. & Seveso, D. (2023). Thermal preconditioning delays coral bleaching in the coral *Pocillopora damicornis* by triggering antioxidant response and cellular protection pathways. *32° Congresso della Società Italiana di Ecologia (SITE)*, 6th – 8th September 2023, Catania, Italia.
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8. **Gobbato, J.**, Becchi, A., Bises, C., Siena, F., Lasagni, M., Saliu, F., Galli, P., & Montano S. (2023). Assessing the occurrence of Phthalic Acid Esters (PAEs) and Pharmaceutical and Personal Care Products (PPCPs) in Mediterranean key anthozoan species. **52^o Congresso della Società Italiana di Biologia Marina (SIBM)**, 12th – 15th June 2023, Messina, Italia.
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AFFILIATION TO SCIENTIFIC SOCIETIES

2024 – present	Member of the ECRS
2023 – present	Member of the Italian Marine Biology Society
2022 – present	Member of the Italian Ecology Society

Curriculum vitae dell'attività scientifica e didattica redatto ai sensi degli artt. 46 e 47 del D.P.R. 28.12.2000, n. 445 (dichiarazioni sostitutive di certificazioni e dell'atto di notorietà).

*Il sottoscritto **Jacopo Gobbato** nato a Bergamo il 23/05/1993 c.f. GBBJCP93E23A794S residente in Seriate (BG) c.a.p. 24068, via Fiume Brembo 4, ai sensi degli artt. 46 e 47 del d.p.r. 445/2000 e consapevole che le dichiarazioni mendaci sono punite ai sensi del Codice penale e delle leggi speciali in materia, secondo le disposizioni richiamate dall'art. 76 del D.P.R. 445/2000 dichiara quanto sopra riportato nel presente documento.*

Data 04/09/2024

Signature

A handwritten signature in black ink, appearing to read 'Jacopo Gobbato', written in a cursive style.