




PERSONAL INFORMATION ERNESTO AZZURRO



 CNR-IRBIM Istituto per le Risorse Biologiche e le Biotecnologie Marine. Largo Fiera della Pesca, 2, 60125 Ancona AN, Italy

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 [https://www.researchgate.net/profile/Ernesto\\_Azzurro/](https://www.researchgate.net/profile/Ernesto_Azzurro/)

Sex | Date of birth | Nationality

BIO-SKETCH

Ernesto Azzurro - **PhD in Marine Biology and Ecology** at the *Università Politecnica delle Marche*, Ancona Italy, Post-doctoral fellow at the ICM-CSIC of Barcelona, Spain – he is currently **Senior Researcher** at the IRBIM - CNR, Ancona, Italy and **reference scientist of IRBIM for the strategic area ‘Global Changes’**. Current areas of research are: invasion biology and ecology; fish ecology and biology, biodiversity changes in coastal marine environments. He is also **contracted professor in fishery biology** – Polytechnic University of Marche, Ancona, Italy since 2018; **Chair of the CIESM Committee C6 Coastal Systems and Marine Policy** of the *CIESM - International Commission for the Exploration of the Mediterranean Sea*; Member of the **CIESM exotic fish taskforce** and of the **Italian commission for introduced species in aquaculture**; **Project manager** of *Seawatchers* for the action *invasive fishes*; **Coordinator for SZN** of the **EU Interreg MED project MPA-ENGAGE**: (*Budget € 3,049,782.74 € 85% co-funded by the European Regional Development Fund*); **Consultant for the United Nations, FAO, GFCM, IUCN**. His scientific production presents an interdisciplinary spectrum of studies spanning from theoretical to applied aspects of marine biology and ecology with a special focus on marine fish bioinvasions. Qualified as **FULL PROFESSOR OF ECOLOGY** by the National Scientific Qualification of MIUR and qualified as **Research Director** by the National Research Council CNR.

RESEARCHGATE: [https://www.researchgate.net/profile/Ernesto\\_Azzurro/](https://www.researchgate.net/profile/Ernesto_Azzurro/)

SCHOLAR: <http://scholar.google.it/citations?user=nRKBd6QAAAAJ&hl=it>

ACADEMIA.EDU: [https://isprambiente.academia.edu/ErnestoAzzurro?notification\\_code=rBRyuKjo](https://isprambiente.academia.edu/ErnestoAzzurro?notification_code=rBRyuKjo)

SCOPUS Author ID: 6506334074

ORCID <https://orcid.org/0000-0002-9805-3164>

SCIENTOMETRIC INDICATORS

|           | All<br>Since first ISI pub (2000) | Last 5 years<br>(Since 2016) |
|-----------|-----------------------------------|------------------------------|
| Citations | 4816                              | 3167                         |
| H Index   | 39                                | 30                           |
| i10-Index | 90                                | 76                           |

**Date:** May 11<sup>th</sup> 2021 - **Source:** Google Scholar <https://scholar.google.com/citations?user=nRKBd6QAAAAJ&hl=it>

Digital skills

| SELF-ASSESSMENT        |                 |                  |                  |                 |
|------------------------|-----------------|------------------|------------------|-----------------|
| Information processing | Communication   | Content creation | Safety           | Problem solving |
| Proficient user        | Proficient user | Proficient user  | Independent user | Proficient user |

Software

- Windows 3.1/95/98/2000/NT/XP (Word, Excel, Power Point, Access)
- Statistics: Primer, Primer+Permanova, Statistica
- Geographical Information Systems: ArcView 9.3; Quantum GIS
- Graphic processing software: Adobe Photoshop (proficient user)
- Meta-analysis tools: Metawin

Scientific Diver (>1000 Sci dives)

- Diving certificate PADI advanced [2000\\_Bevetto\\_Padi\\_advancedanced013.pdf](#)
- Dry Suit course - [Brevetto\\_Padi\\_Dry012.pdf](#)
- 2005 Responsible for security in scientific diving: EU interreg project MonItaMal [2005\\_security\\_DIVE\\_monitamal.jpg](#)
- 2000-ongoing. Qualified (after regular yearly Medical examinations) for underwater research activity
- 1987 – 1988. Diving certificate FIPS (I and II), CMAS [1987\\_Bevetto\\_Fips\\_II014.pdf](#)

Nautical licenses

- 2020. Licence for sailing and motor within the 12 nautical miles

Graphical and artistic skills

Good graphical and artistic competences; Scientific illustrator <http://www.fishars.com>

PERSONAL SKILLS

Mother tongue(s)  
Other language(s)

|         | UNDERSTANDING |         | SPEAKING           |                   | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
|         | Listening     | Reading | Spoken interaction | Spoken production |         |
|         | Italian       |         |                    |                   |         |
| English | C2            | C2      | C2                 | C2                | C2      |
| Spanish | C2            | C2      | C2                 | C1                | C1      |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills

Good communication skills gained through several national and international experiences, such as international working groups, outgoing grants, international commissions. Wide and solid **network of collaborators in Mediterranean countries.**

Organisational / managerial skills

Good organisational / managerial skills. Experience in coordinating international research teams

EDUCATION AND TRAINING
 

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- From 2009 to 2011 [Postdoc ICM-CSIC, Barcelona, Spain](#)  
 JAE-doc2008 *Junta para la ampliación de estudios" del consejo superior de investigaciones científicas. convocatoria de contratos postdoctorales*  
 DURATION: 2 years  
 Ref N. C304843  
[2008\\_JAE\\_doc.pdf](#)
- From 2003 to 2006 [PhD in Marine Biology and Ecology](#)  
 Title of the thesis: Fish **biodiversity changes** in the Mediterranean Sea: cases of study, 238 pp. Università Politecnica delle Marche, Ancona, Italy. January 2008.  
 Subject: Biodiversity, Biology and Ecology of invasive fishes.  
[2006\\_PhD.jpg](#)
- From 1989 to 1994 [M. Sc. in Biological Sciences](#)  
 At the University of Bologna getting marks 110\110, disputing an experimental thesis titled: "Life cycle of *Sepia officinalis* in the Adriatic Sea".  
 Subject: Life cycle of cephalopods  
[1994\\_Laurea.jpg](#)
- From 1982 to 1987 [Scientific High school. Fermo, FM, Italy](#)  
[1987\\_scientific\\_high\\_school.jpg](#)

## PROFESSIONAL COURSES

- 2010 [Introduction to Meta-analysis in Ecology](#). Teachers: Fiorenza Micheli; Craig W. Osenberg; Joachim Claudet. University of Salento, Lecce Italy 14-16 December 2010  
 DURATION: 3 days  
[2010\\_metanalysis\\_course.jpg](#)
- 2011 [Introduction to Geographic Information System with ARCGIS 9.3 applied to marine sciences. Vigo, Spain 21-25 march 2011. \(30h\)](#)  
[2011\\_ARCGIS\\_course.jpg](#)
- 2010 [Analysing Biological and Environmental Field Data](#). Highland Statistic Ltd. Teacher Dr. Alain F. Zuur. Co-Hosted by C.N.R. ISMAR, Ancona, Italy  
 DURATION: 3 days  
[2004\\_ancona\\_H\\_statistics.pdf](#)
- 2008 [Detecting biological and environmental changes: design and analysis of monitoring and experiments.](#) Teachers: L. Benedetti-Checchi, B. Clarke, M.J. Anderson. Winter School, University of Bologna 3<sup>rd</sup>-14<sup>th</sup> March  
 DURATION: 9 days  
[2008\\_Primer\\_permanova\\_course.jpg](#)
- 2014-2018 N 4 courses on security during field work and scientific diving:

- 2017 UNITED NATIONS Course on Basic Security in the Field II (United Nations Department of Safety and Security). [2017\\_Certificate\\_BSITF II \(English\)\\_BSITF Certificate-2.pdf](#)
- 2017 Course on Basic Life support BLS 2017. [BLS\\_ATTESTATO Azzurro.pdf](#)
- Course ISPRA on Good practices in scientific diving. [2014\\_att\\_SUB\\_b\\_prassi.pdf](#)
- Certificate FIPSAS for first aid with oxygen. [2014\\_FIAS\\_oxigen\\_first\\_aid.pdf](#)
- 2018 Oxygen First Aid DAN. [2018\\_3\\_DAN\\_Oxigen.pdf](#)

Histology traineeship at the ICM-CSIC, Barcelona, Spain

Duration: 40 days

[2009\\_Histology\\_Barcelona](#)

2005

Taxonomy of teleost fishes.

DURATION: 40 days at the ICM-CSIC of Barcelona, Spain. Tutor Dr. Domingo Lloris Samo

[2005\\_taxonomy\\_ICM.jpg](#)

## FUND RAISING and COORDINATION ROLES IN RESEARCH PROJECTS

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2019-ongoing INTERREG MED PROJECT MPA-ENGAGE: GUIDING MEDITERRANEAN MPAS THROUGH THE CLIMATE CHANGE ERA: BUILDING RESILIENCE AND ADAPTATION. ENGAGING MEDITERRANEAN KEY ACTORS IN ECOSYSTEM APPROACH TO MANAGE MARINE PROTECTED AREAS TO FACE CLIMATECHANGE  
*Full\_Modular project 5th call Priority axis-Investment Priority-Specific Objective 3-2-1Priority Axis 3: Protecting and promoting Mediterranean natural and cultural resources 3.2: To maintain biodiversity and natural ecosystems through strengthening the management and networking of protected areas.*  
 N. **15** EU partners, **Total budget:** € 3,049,782.74 funded at 85%  
**ROLE: Co-writing and coordination**  
**Scientific Coordination of WP3 (Testing) and WP2 (Communication)**  
 and **Scientific Responsible** for SZN (as project partner)

2016-2019 INTERREG PROJECT MPA-ADAPT: GUIDING MEDITERRANEAN MPAS THROUGH THE CLIMATE CHANGE ERA: BUILDING RESILIENCE AND ADAPTATION. Funded by the European Regional Development Fund.  
**ROLE: Co-writing and team building;**  
**Scientific Coordination of WP4 (Transferring)**  
 and **Scientific Responsible** for ISPRA (as project partner)  
[2017\\_GdL\\_MPA Adapt.pdf](#)

N. **8** EU partners, **Total budget:** € 1,904,257

See documents at:

<https://mpa-adapt.interreg-med.eu>

<http://territorio.regione.emilia-romagna.it/medncpitalia/doc/progetti-bando-1/mpa-adapt>

<https://mpa-adapt.interreg-med.eu>

**Scientific responsible and coordinator of a team of 4 research fellows.**

See documents at:

[2018\\_Responsible\\_assegni.pdf](#)

[2017\\_GdL\\_MPA Adapt.pdf](#)

GU 4a Serie Speciale - Concorsi ed Esami n.42 del 6/06/2017

<http://www.isprambiente.gov.it/amministrazione-trasparente/bandi-di-concorso/bandi-di-concorso-in-istruttoria/avviso-di-selezione-n.3-2018-a>

Gazzetta ufficiale: 4<sup>a</sup> Serie Speciale - Concorsi ed Esami n. 27 del 3 aprile 2018

<http://www.isprambiente.gov.it/amministrazione-trasparente/bandi-di-concorso/elenco-dei-bandi-espletati/avviso-di-selezione-n.6-17>

- 2010-ongoing TROPICAL SIGNALS Leader Partner: CIESM, Commission Internationale pour l'Exploration Scientifique de la Mer Méditerranée) funded by Fondation Albert II of Monaco.  
 ROLE: **Co-writing** and **Coordinator** of two successful Work Packages (namely *LEK* and *UVC*) within an international research network composed by **N. 21 research teams and 15 Mediterranean Partners**  
<http://www.ciesm.org/marine/programs/tropicalization.htm>.  
[2018\\_CIESM\\_Certificate-Tropical Signals-Azzurro.pdf](#)
- 2015 - ongoing ISPRA Awareness and monitoring campaigns on Alien species (*L. sceleratus* and *P. miles*) in collaboration with: i) 'Capitanerie di Porto, Italy; ii) ICM-CSIC Barcellona, Spain; iii) FAO ADRIAMED Project, FAO, Rome, Italy  
 ROLE: **Coordinator for ISPRA**  
<http://www.isprambiente.gov.it/evidenza/ispra/specie-tropicali-in-ambiente-marino-un2019allerta-per-la-salute-umana>
- 2006-2008 EU Project interreg Italia-Malta. MONITAMAL: Sviluppo di un sistema di monitoraggio della qualità ambientale: valutazione dei livelli di contaminazione nelle diverse matrici marine (acque, sedimenti, biota) e dei rischi per la biodiversità marina costiera.  
 ROLE: **Co-writing, team building, coordinator of a WP led by ISPRA**  
**Total budget:** € 550.000,00  
<http://www.isprambiente.gov.it/progetti/biodiversita-1/monitamal>
- 2011-2012 COST ACTION FA1004.  
 European Cooperation in Science and Technology  
 ROLE: **Associated Member, National Representative for Spain**  
<http://fish-conservation.nu>.  
<http://fish-conservation.nu/pparticipants/>
- 2008-2010 THE IMPACTS OF BIOLOGICAL INVASIONS AND CLIMATE CHANGE ON THE BIODIVERSITY OF THE MEDITERRANEAN SEA. In R & D. Proposal for 2007 (Cooperazione Italia – Israele su ambiente ricerca e sviluppo). Conisma Ordine N. 43. February 11<sup>th</sup> 2011 Pr ISRAELE/CMCC  
 ROLE: **Project co-writer, external coordinator of a WP**  
**Total budget:** € 600,454  
[2008\\_ISPRA\\_Aut.jpg](#)  
[2008\\_conisma\\_IT\\_IS.pdf](#)

## COLLABORATION TO RESEARCH PROJECTS

- 2018-2019 ADVANCE: Automatic Data and Video Acquisition for uNderwater monitoring across Coastal Environments  
 ROLE: Collaborating scientist, **Co-writer**  
<http://www.jerico-ri.eu/tna/selected-projects/second-call/advance/>

- 2015 EU Project FixO3. FIXED-POINT OPEN OCEAN OBSERVATORIES. Coordinated by NERC-NOC and funded by the European Commission (EC) through the FP7 Capacities/Research Infrastructures Programme  
ROLE: Collaborating scientist, **Co-writer**  
Grant Agreement Number:312463 TNA project Fishout  
[https://cordis.europa.eu/project/rcn/110489\\_en.html](https://cordis.europa.eu/project/rcn/110489_en.html)
- 2013-2015 BALMAS. BALLAST WATER MANAGEMENT SYSTEM FOR ADRIATIC SEA PROTECTION (BALMAS project code is: 1° STR/0005). Cross Border Cooperation 2007-2013.  
ROLE: Collaborating scientist, **Co-writer**  
Disp. N 2301/DG January 8<sup>th</sup> 2014; O.S. ISPRA Jan 1 2014, N. 180  
<http://www.balmas.eu>
- 2010-2011 ANTROMARE Effects of Natural variability and Anthropogenic impacts on diversity and bathyal trophic webs of the deep sea Mediterranean. Funded by Spanish ministry of science and technology.  
ROLE: Collaborating scientist
- 2010-2012 VECTORS. funded by European Community's Seventh Framework Programme (FP7/2007-2013).  
ROLE: Collaborating scientist
- 2008-20010 BIOMARE, CSIC, Consejo Superior de Investigaciones Cientifica, Institut de Ciencies del Mar, CMIMA, Barcelona (Spain).  
ROLE: Collaborating scientist
- 2005-2007 Valutazione dell'efficacia di aree interdette alla pesca a strascico attraverso lo studio di prede e predatori della triglia di fango, *Mullus barbatus* L. VI Piano triennale della pesca e dell'acquacoltura.  
ROLE: Collaborating scientist  
PR ICRAM 6A84
- 2003-2007 B.I.O.P.L.A.T. MONITORING THE FISH BIODIVERSITY AROUND OFFSHORE GAS PLATFORMS. - *Financed by ENI*.  
Prot ICRAM 11352/04 – Date Dec 20<sup>th</sup> 2005;  
ROLE: Set up of a monitoring technique for the study of fish biodiversity associated to gas platforms, data collection and elaboration  
Prot ICRAM 10840/07 Date Nov 7<sup>th</sup> 2007
- 2006-2007 MONITAMAL: Sviluppo di un sistema di monitoraggio della qualità ambientale: valutazione dei livelli di contaminazione nelle diverse matrici marine (acque, sedimenti, biota) e dei rischi per la biodiversità marina costiera. Programma di Cooperazione Transfrontaliera INTERREG IIIA Italia-Malta.  
ROLE: Project writing and collaborating scientist  
Prot. ICRAM 787/09 date Jan 23<sup>th</sup> 2008
- 2005-2007 Studio della Surf-Zone in Tirreno meridionale attraverso l'analisi delle relazioni trofiche tra benthos e comunità ittica.  
ROLE: Collaborating scientist  
Progetto di Ricerca n 242. MIUR
- 2003 Programma ICRAM 216. Approccio ecosistemico per la gestione sostenibile della pesca e la tutela delle specie marine protette del sistema eoliano.  
ROLE: Collaborating scientist

- 2001-2003 A.L.I.E.N. Atlantic and Lessepsian Immigrants Environmental Noises. – *Financed by ICRAM, Central Institute for the Scientific Research Applied to the Sea.*  
 ROLE: collaborating scientist
- 2002 PARASSITI E PARASSITOSI DI SPECIE ITTICHE ALLEVATE: PROBLEMI EMERGENTI DELL'ACQUACOLTURA NAZIONALE - *VI piano triennale della pesca e dell'Acquacoltura - legge 41\82.*  
 ROLE: collaborating scientist
- 1998-2001 APPROCCIO CONOSCITIVO PER IL CONSOLIDAMENTO DELLE TECNICHE DI RIPRODUZIONE CONTROLLATA DELLA CERNIA DI SCOGLIO (*EPINEPHELUS MARGINATUS*, LOWE 1834) E DELLA RICCIOLA, SERIOLA DUMERILI (RISSO, 1810) - *V piano triennale della pesca e dell'Acquacoltura - legge 41\82.*  
 ROLE: collaborating scientist
- 1998-2001 MESSA A PUNTO DI UNA TECNICA PER LA RIPRODUZIONE CONTROLLATA DELLA CERNIA DI SCOGLIO (*EPINEPHELUS MARGINATUS*, LOWE 1834).- *IV piano triennale della pesca e dell'Acquacoltura - legge 41\82.*  
 ROLE: collaborating scientist,  
 Prot ICRAM 72429 Date Oct 29<sup>th</sup> 2000
- 1998-2001 SVILUPPO E APPLICAZIONE DI BIOMARKERS DI ESPOSIZIONE ED EFFETTO PER COMPOSTI ESTROGENICI PRESENTI NELL'AMBIENTE MARINO MEDITERRANEO. - *IV piano triennale della pesca e dell'Acquacoltura - legge 41\82.*  
 ROLE: collaborating scientist  
 Prot ICRAM 72429 Date Oct 29<sup>th</sup> 2000
- 1994-1997 SUPPORTO SCIENTIFICO ALLA MESSA A PUNTO DI UNA TECNICA PER LA RIPRODUZIONE ARTIFICIALE DELLA CERNIA DI SCOGLIO (*EPINEPHELUS GUAZA*, L. 1758) - *III piano triennale della pesca e dell'Acquacoltura - legge 41\82.*  
 ROLE: collaborating scientist
- 1996 RECUPERO DELLO SCARTO DELLA PESCA A STRASCICO E DEI RESIDUI DI LAVORAZIONE DELL'INDUSTRIA DI TRASFORMAZIONE DEI PRODOTTI ITTICI - *III piano triennale della pesca e dell'Acquacoltura - legge 41\82.*  
 ROLE: collaborating scientist
- 1996 VALUTAZIONE DELLE RISORSE: GRANDI PELAGICI - *III piano triennale della pesca e dell'Acquacoltura - legge 41\82.*  
 ROLE: collaborating scientist

 MEMBERSHIP
 

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- 2016  
 ongoing - **President** of CIESM *Mediterranean Science Commission* Committee C6 - Coastal Systems (**second mandate**)  
 RESPONSIBILITIES AND DUTIES: **works closely with the Director General on strategic planning** and on consolidating the scientific cooperation among marine researchers of **23 Member States**. The Commission is currently chaired by H.S.H. Prince Albert II of Monaco.  
<http://www.ciesm.org/people/chairs/index.htm>  
[2018\\_CIESM\\_Azzurro\\_Chair\\_Certificate.pdf](2018_CIESM_Azzurro_Chair_Certificate.pdf)
- 2018-  
 ongoing **Affiliated to** (Associatura) Stazione Zoologica di Napoli  
<http://www.szn.it/index.php/it/personale/personale-associato>  
[2018\\_Associatura\\_SZN.pdf](2018_Associatura_SZN.pdf)



- 2019 ongoing - Member of the independent network of Mediterranean Experts on Climate and environmental Change (MedECC).  
[https://www.medecc.org/wp-content/uploads/2021/05/Rapport\\_MedECC\\_ebook.pdf](https://www.medecc.org/wp-content/uploads/2021/05/Rapport_MedECC_ebook.pdf)  
[2021\\_Rapport\\_MedECC\\_ebook.pdf](#)
- 2021 ongoing - **Expert member** of the CNR Working Group ‘Biodiversity’  
[2021\\_Provvedimento Costituzione GdL Biodiversita\\_signed](#)
- 2020 ongoing - **Expert member** of the IRBIM-CNR Working Group ‘fishery and sustainable management of fishery resources’. [2020\\_Lettera di incarico GdL PESCA\\_signed.pdf](#)
- 2017 ongoing - **Expert member** of the National Committee for Exotic Species in Aquaculture - MIPAAF  
 RESPONSIBILITIES AND DUTIES: The committee provides support and consultancy to the **Italian Ministry of Agriculture and Fishery** – DM 339/2008 according to REg (CE) 708/2007: Mipaaf. Prot. 12776 July 28th 2016.  
<http://www.registro-asa.it/it/comitato>  
[2016\\_Nomina Comitato Acquacoltura specie esotiche.pdf](#)
- 2008-ongoing **Expert member** of the CIESM *Commission Internationale pour l’Exploration Scientifique de la mer Méditerranée* « Exotic fish task force »  
 RESPONSIBILITIES AND DUTIES: **A restricted team of experts** works closely with the CIESM commission to manage and periodically update the CIESM Exotic Fish Atlas, which is currently the most cited reference for exotic species in the Mediterranean Sea. Currently the team is engaged in producing a new paper edition of the fish Atlas.  
<http://www.ciesm.org/atlas/appendix1.html>  
[2018 CIESM Azzurro Atlas Certificate.pdf](#)
- 2018-ongoing **Expert member** of INVASIVESNET - The global network of networks on invasive species  
 RESPONSIBILITIES AND DUTIES: Networking and collaboration with expert scientists around the globe  
<https://www.invasivesnet.org/profile/?uid=303>
- 2015-ongoing **Member** of the National Scientific Community of reference for the *Stazione Zoologica di Napoli*  
<http://www.szn.it/SZNWeb/showpage/224? languageId =2>
- 2006-ongoing **Expert** of DAISIE “delivering Alien Invasive Species Inventories for Europe”  
<http://www.daisie.ceh.ac.uk/>
- 2003-ongoing **Collaborator** of Fishbase  
[file:///Users/ernestoazzurro/Desktop/Documenti%20CV%20copia/Attestati/FishBase\\_collaborator.htm](file:///Users/ernestoazzurro/Desktop/Documenti%20CV%20copia/Attestati/FishBase_collaborator.htm)

## CONSULTANCIES

- 2021 -2022 **Consultant for the Interreg Project BLEU-ADAPT:** Invasion biologique marine et pêche: étude, atténuation des dommages et adaptation dans le contexte du changement climatique”.  
 RESPONSIBILITIES AND DUTIES: LEK implementation, training on LEK and participatory mapping of invasive species; scientific supervision on invasion studies. Duration two years.  
[2021 INAT Contract.pdf](#)
- 2019 **Consultant for IUCN** in relation to the implementation of Regulation 1143/2014” on Invasive Alien Species, No 07.0202/2018/788864/SER/ENV.D.2  
 RESPONSIBILITIES AND DUTIES: Revision of Lionfish *Pterois miles* risk assessment



<http://www.faomedsudmed.org>  
[2019 IUCN Lionfish contract.pdf](#)

- 2015- ongoing **Expert** for Food and Agriculture Organization of the United Nations FAO  
 RESPONSIBILITIES AND DUTIES: Expert scientist **Promoting scientific cooperation among Mediterranean countries** in line with the Code of Conduct for Responsible Fisheries (UN-FAO). **Coordination** of research actions, support the **transfer of knowledge** and methodological approaches in Mediterranean Countries  
<http://www.faoadriamed.org>  
 and MedSudMed  
<http://www.faomedsudmed.org>  
[2018 FAO Certificate.pdf](#)
- 2019 **Consultant** for IUCN International Union for the Conservation of Nature  
 RESPONSIBILITIES AND DUTIES: peer revision of the Lionfish risk assessment to implement the Project “Technical and Scientific Support in relation to the implementation of Regulation 1143/2014” on Invasive Alien Species, No 07.0202/2018/788864/SER/ENV.D.2 (the “Project”)  
[2019 IUCN contract signed.pdf](#)
- 2017 **Consultant** for Food and Agriculture Organization of the United Nations FAO  
 RESPONSIBILITIES AND DUTIES: **Provide training** on the use of Local Ecological Knowledge (LEK) methodology. Lead on the field training session  
[2017 FAO consultancy signed.pdf](#)
- 2017-2018 **Consultant** for United Nations  
 RESPONSIBILITIES AND DUTIES: Provide **technical support/guidance** on capacity needs of Eastern Mediterranean Countries in relation to Non-Indigenous Species (NIS) monitoring; draft basis for **developing a sub-regional monitoring programme** in relation to NIS monitoring.  
[2017 contract United Nations signed.pdf](#)

## EDITORIAL ASSIGNMENTS

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- 2020-ongoing **Member of the EASIN Editorial Board**  
*European Alien Species Information Network (EASIN)*  
 Taking care of the possible updates and participating in discussions on relevant taxonomic topics (species nomenclatura, status definition, pathways, etc) for the taxonomic group: Marine fishes.  
<https://easin.jrc.ec.europa.eu/eb/Home/Board> [2020\\_4\\_EASIN.pdf](#)
- 2012-ongoing **Associate Editor of Aquatic Invasions**  
*International Journal of Research on Biological Invasions in Aquatic Systems*  
 Protocols REABIC N. 027, February 28th Signed by the editor in Chief V. Panov, PL 3, 00981 Helsinki, FINLAND <http://www.aquaticinvasions.net>  
[2017\\_editor\\_REABIC\\_REABIC\\_.pdf](#)
- 2012-ongoing **Associate Editor of BioInvasion Records,**  
*International Journal of Applied research on Biological Invasions*  
 Protocols REABIC N. 027, February 28th Signed by the editor in Chief V. Panov, PL 3, 00981 Helsinki, FINLAND <http://www.reabic.net/journals/bir/Editors.aspx>  
[2017\\_editor\\_REABIC\\_REABIC\\_.pdf](#)

WORK EXPERIENCE
 

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- From NOV 2019, ongoing **Senior Researcher**  
 IRBIM - CNR, Largo Fiera della Pesca 2, 60125, Ancona, Italy  
 DUTIES: Scientific responsibility of research projects, group coordination, research, scientific support to governmental organisms  
 DURATION: permanent  
[2019\\_CONTRATTO\\_AZZURRO\\_PR.pdf](#)
- From Dec 2011 - 2019 **Researcher (permanent position) at ISPRA, Italy**  
 DUTIES: Scientific responsibility of research projects, group coordination, research, scientific support to governmental organisms  
 DURATION: permanent  
[2011\\_contratto\\_TI\\_assunzione\\_ISPRA.pdf](#)
- From 2009 to 2011 **Postdoc ICM-CSIC, Barcelona, Spain. JAE-doc2008** (already mentioned in the Education section)  
 DUTIES: Research, Coordination of a transdisciplinary research group on marine fish invasions, National (Spanish) representative for the project COST action FA1004 European Cooperation in Science and Technology  
 DURATION: 2 years  
[2008\\_JAE\\_doc.pdf](#)
- From 2006 to 2009 **Research contract (fixed-term position) at ISPRA, Italy: EU Project MonItamal**  
 DUTIES: Research on the biology and ecology of fishes, monitoring fish abundance and biodiversity  
 DURATION: 3 years (including one year of *leaving of absence*)  
[ISPRA contracts date 18\\_05\\_2006 N protocol 4627/06](#)  
[ISPRA contracts date 15\\_01\\_2007 N protocol 502/07](#)  
[ISPRA contracts date 07\\_11\\_2007 N protocol 1084/07](#)  
[ISPRA contracts date 23\\_01\\_2008 N protocol 787/08](#)
- From 2004 to 2006 **Research contracts: Fish biodiversity around oil platforms” Funding: ENI-ICRAM**  
 DUTIES: Scientific coordination of the WP *underwater visual census* around oil platforms. Collection of field data, data elaboration, scientific writing.  
 DURATION: 2 years and 6 months  
 Date 31/05/2004 - ISPRA protocol 3685/04  
 Date 03/05/2004 - ISPRA protocol 2950/04  
 Date 20/01/2005 - ISPRA protocol 11352/05  
 Date 27/05/2005 - ISPRA protocol 4970/05  
[2004\\_Assegno\\_ma\\_2004.jpg](#),  
[2004\\_POC\\_2004.jpg](#)  
[2005\\_Assegno\\_DIC2005.jpg](#)  
[2005\\_Assegno\\_ma\\_2005.jpg](#).
- From 2003 to 2004 **Research contract: Sustainable fishery in the lagoon of Bilene, Mozambique**  
 DUTIES: Meetings with governmental institutions in Mozambique; collection of data on fish diversity and fishery; species identification; writing technical reports.  
 DURATION: 3 months  
[2003\\_Attestato Mozambico.pdf](#)
- From 2002 to 2003 **Research grant: Preliminary study on fish communities of Asinara island by visual census”**  
 DUTIES: Project writing and ideation; study of coastal fish diversity, underwater data collection; data elaboration; writing of scientific paper and participation to symposia.

- Funding *Ente Parco Asinara*  
 DURATION: 1 year  
[2004\\_UVC\\_Asinara.pdf](#)
- From 2000 to 2002 **Research contract: Messa a punto di una tecnica per la riproduzione controllata della cernia di scoglio (*Epinephelus marginatus*, Lowe 1834).**  
 DUTIES: Research activities on experimental trials in both reared and wild dusky groupers. Funding: MIPAAF "IV piano triennale della pesca e dell'Acquacoltura - legge 41\82."  
 DURATION: 2 years (one year renewed)  
[2000\\_Assegno.jpg](#)
- From 1995 to 1999 **N 6. Professional contracts by ICRAM**  
 DUTIES: Research on marine biology and ecology  
 ICRAM, Prot. 47326 – 20.12.96, ICRAM, Prot 44296 – 28.05.96, ICRAM, Prot. 50327 – 21.07.97, ICRAM, prot 52635 – 20.01.98  
 DURATION (CUMULATIVE): 3 years  
[1995\\_poc\\_95.jpg](#);  
[1996\\_poc\\_96\\_2.jpg](#)  
[1997\\_jpg\\_97.pdf](#)  
[1998\\_poc\\_98.jpg](#)
- 1997 **Research fellowship (assegno di ricercar) at the University of Tor Vergata, Rome**  
 DUTIES: Study of parasites of marine animals  
 DURATION: one year  
[1997\\_assegno\\_Tor\\_Vergata.jpg](#)
- 1991 **Technical contract: Sea Water quality of Mediterranean coasts**  
 DUTIES: Coordination and scientific responsibility of the mobile laboratory unit "Asia" performing water analyses (chemical and microbial); water sampling and analyses (chemical and microbial) in Greece, Turkey, Syria and Lebanon. Funding: *ONG Kronos 1991*  
 DURATION: 3 months  
[1991\\_kronos.jpg](#)

#### ACADEMIC ROLES and certifications

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- 2020 QUALIFIED as **Research Director** (Dirigente di ricerca) by the National Research Council CNR  
[2020\\_CNR\\_dirigente\\_315\\_31\\_grad](#)
- 2018-2024 QUALIFIED AS **FULL PROFESSOR OF ECOLOGY** by the National Scientific Qualification of MIUR  
 Professore Universitario I fascia settore concorsuale 05/C1 Ecologia  
 (abilitazione scientifica nazionale 2016-2018 quinto quadrimestre)  
<https://asn16.cineca.it/pubblico/miur/esito/05%252FC1/1/5/99982/qiudizi>  
[ASN\\_2018.pdf](#)
- 2014-2020 Qualified as **Associated Professor of Ecology** by the National Scientific Qualification of MIUR.  
 (Professore Universitario II fascia - settore concorsuale 05/C1 Ecologia). Validity 31/01/2014 - 31/01/2020  
<https://abilitazione.cineca.it/ministero.php/public/esitoAbilitati/settore/05%252FC1/fascia/2>
- 2018-ongoing **Contracted professor** at the Polytechnic University of Marche, Ancona, Italy. Course: Fishery Biology (48h). [2019\\_Contratto\\_UNIVPM\\_docenza.pdf](#)

- 2020-ongoing **Reference Scientist** for the Strategic Area 'Global Changes' of IRBIM-CNR. [2020\\_referente\\_IRBIM\\_GC.pdf](#)
- June 2019 **Winner of a Senior Researcher** position on Marine biology and Ecology (Bando 25/2018) gazetta ufficiale 9.10.2018 – SZN Stazione Zoologica di Napoli, Italy  
[2019\\_Assunzione\\_SZN.pdf](#)
- 2020-2021 **Co-tutor of the Master Thesis** entitled: A simplified visual census technique to monitor the abundances of climate change indicators in mediterranean marine protected areas: results from the Sicily region. Student Marco Spoto, Università Politecnica delle Marche, Ancona, Italy.  
[2021\\_commissione\\_tesi.pdf](#)
- 2021 **Tutor for the IRBIM-CNR of the Master student (tirocinio progetto formativo)** Università Politecnica delle Marche, Ancona, Italy. [2021\\_Tutor\\_Tirocinio\\_Chiera.pdf](#)
- 2018-2019 **Co-tutor of the Master Thesis** entitled: *Underwater visual census of climate change indicators* Student Giulia Aversa, University La Sapienza, Roma, Italy.
- 2018-ongoing **Co-tutor of the Master Thesis** entitled: *Biodiversity changes in the Lesina Lagoon: a Local Ecological Knowledge approach*  
Student: Alessio Testagrossa, Università Politecnica delle Marche, Ancona, Italy
- 2015-2017 **Co-tutor of the Master Thesis** entitled. *Application of Local Ecological Knowledge to track fish biodiversity changes along the Tuscan coasts.*  
Student: Giulio Busoni, Pisa University, Faculty of Biology, Italy  
<https://etd.adm.unipi.it/t/etd-11202013-083528/>
- 2017 **Co-tutor of the Erasmus** student Kassandra Anna-Mari Zannaki, Hosted at the CNR-ISMAR Italy University of the Aegean, Academic Year 2016-2017
- 2017-2018 **Member of the PhD Thesis commission** for the Nice University, ECOMERS. Title of the Thesis: *Impact of Fishing on the Fish Fauna in the North Lebanese coast.* Nice, France  
[2018\\_EDSFA Samer Fatfat 2018 07.pdf](#)
- 2017 **Member of the PhD Thesis Commission** for the Tunis University, Science Faculty, Tunis, Tunisia. Title of the Thesis: *La Faune ichtyologique du golfe de Tunis dans un context de rechauffement climatique.* Presented by W. Boughedir on May 10<sup>th</sup> 2017.  
[2017\\_5\\_PHD\\_Commission\\_Tunis\\_Boughedir.pdf](#)
- 2016 **External evaluator of the PhD Thesis** for the Faculty of Biology, Barcelona University, Spain. Title of the Thesis: *Morphological structure and biodiversity in fish assemblages.* Presented by Marc Farré Foix - Faculty of Biology, Barcelona University, Spain  
[http://digital.csic.es/bitstream/10261/134904/4/Marc\\_Farré\\_Doctoral\\_Thesis\\_0.2.pdf](http://digital.csic.es/bitstream/10261/134904/4/Marc_Farré_Doctoral_Thesis_0.2.pdf)
- 2015 **Lecturer** for CIRSPE within the framework of the National Project: 'Iniziativa di divulgazione e il trasferimento dei risultati delle ricerche su pesca e acquacultura a tutti gli attori del settore'. One intensive seminary entitled: 'Alien fish species in the Mediterranean Sea: State of the art, impacts and monitoring systems'. Hotel San Giorgio, Civitavecchia (RM) 11/11/2015.  
DURATION: 4h  
[2015\\_contratto\\_Cirspe.pdf](#)

- 2017 **Lecturer** for the taxonomic identification of exotic species for the purposes of the Marine Strategy Framework Directive, within the convention MATTM-ISPRA.  
E-learning
- 2015 **Lecturer** at the Pisa University within the course: *Biology of depths environments and water column*: two seminars entitled: 1) *Pelagic fishes and biological invasions*; 2. *Taxonomy of pelagic fishes*  
[2015\\_docenti\\_lecturer\\_MSFD\\_MATTM\\_ISPRA.pdf](#)
- 2013 **Lecturer** for IAMC-CNR. Course: taxonomy of marine organisms  
DURATION: **20 h**  
[2013\\_CNR\\_lezioni.pdf](#)
- 2013 **External evaluator of the PhD Thesis** for the UAB Universidad Autonoma de Barcelona, Spain. Title of the thesis: *Dynamics of benthopelagic food webs of the Catalan slope (NW Mediterranean): environmental drivers and influence on reproductive cycles*. Presented by Vanesa Papiol Nieves,  
[2013\\_evaluation\\_Vanessa.pdf](#)
- 2012 **Member of the PhD Thesis Commission** for the UPT Universitat Politècnica de Catalunya. Thesis entitled: *Indices and Indicators for Integrated Coastal Zone Management with a Landscape Approach. Application to the Adriatic Sea*. Presented by Leonardo Marotta, September 14, 2012.:  
[2012\\_PhD\\_commission\\_UAB.pdf](#)
- 2012 **Member of the PhD Thesis Commission** for the PhD Thesis for the UB University of Barcelona, Spain. Title of the thesis: *Community associated to the squid fishery (Tehuantepec Gulf, Eastern Pacific, Mexico)*. Presented by Marco Antonio Martinez Muñoz, May 2012.
- 2012 Collaboration with the Palermo University to the scientific activities related to the presence of invasive fish species along the African coast (NordKapp Rib Mission).  
[2012\\_spediz\\_Nordkapp.pdf](#)
- 2009 **Teaching assistant** for the UCSC, University of California in Moorea, French Polinesia. N 27 students.  
DURATION: **5 weeks**  
[See certificate pdf: 2009\\_ASS\\_teacher\\_polinesia.pdf](#)
- 2006 **Lecturer** at the University of Palermo and University of Trapani. Course : 1. "Marine biology"; 2 "Igiene e sicurezza dei prodotti dell'acquacoltura".  
Contract signed by G. Verde on Dec 11<sup>th</sup> 2006  
DURATION: **25h (two months)**  
[2008\\_lezioni\\_trapani.pdf](#)

#### PUBLIC ENGAGEMENT and METHODOLOGICAL TRANSFER

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- 2019 Member of the teaching board for the National Project 'Scuola d'amare' approved by the MIUR, Italian Ministry of Education, For the theme: 'Climate Change. In collaboration with PADI and DAN.  
<https://padiproseurope.com/it/il-ministero-delleducazione-approva-scuola-damare-2019/>

- 2010-ongoing **Coordinator** of training sessions and workshops aimed to the transfer of technical procedures if exotic species monitoring to third parties. Long lasting support to actions related to invasive species and small-scale fishery in several **Mediterranean countries** carried out within the framework of EU Projects (BALMAS, MONITAMAL, MPA Adapt) and to support to Basin-scale actions led by FAO, CIESM, GFCM and United Nations  
[See present CV at the sections: membership and networking; coordination roles in research projects](#)
- 2011-ongoing **Coordinator** of the project Seawatchers.org - *Invasive fishes*
- RESPONSIBILITIES AND DUTIES: **Coordinating** the *invasive fish* project <http://www.observadoresdelmar.es/proyecto-9.php> and to work closely with the global coordinator. Seawatchers.org is an influent portal of citizen science, hosted by the ICM-CSIC of Barcelona, Spain, which currently engage **1731 registered citizens**.  
[www.sewatchers.org](http://www.sewatchers.org)  
[2015\\_seawatchers\\_certificato.pdf](#)
- 2016-ongoing. **Founder and Project manager** of the Facebook group *Óddfish* (**3.321 registered members** at Sept 2018) aimed to support early detection and exotic species monitoring.  
<https://www.facebook.com/groups/1714585748824288/>
- 2017-ongoing **Scientific coordinator** of the **Citizen Science initiative 5 minutes for Climate**. In Collaboration with PADI and DAN Europe Foundation – Officially associated to the EU-project MPA Adapt  
[http://padiproseurope.com/it/5-minuti-insieme-sottacqua-per-il-clima-mpa\\_adapt-con-padi-dan-europe/](http://padiproseurope.com/it/5-minuti-insieme-sottacqua-per-il-clima-mpa_adapt-con-padi-dan-europe/)
- 2015 Development of scientific protocols for Local Ecological Knowledge currently applied in 11 Mediterranean countries  
[https://www.youtube.com/watch?v=JfYNjypUtb8&list=PLgiaZpXFwy3s6WKz6oC2mEvv64t-e8Tn\\_&index=4](https://www.youtube.com/watch?v=JfYNjypUtb8&list=PLgiaZpXFwy3s6WKz6oC2mEvv64t-e8Tn_&index=4)

## OUTREACH

### DOCUMENTARIES

- 2019 **Director and co-writer** of the documentaries ‘witnesses of change’: Subject climate change, invasive species and Local Ecological Knowledge. Produced by ISPRA and realized within the framework of the interreg EU project ‘MPA-Adapt’. Languages: English, Italian
- TEASER (4.52 minutes)  
<https://www.youtube.com/watch?v=p2qCy05fBZQ&t=4s>
- Episode 1 (21.26 minutes)  
<https://www.youtube.com/watch?v=1iXuJgqZhik&t=472s>
- Episode 2 (28.27 minutes)  
[https://www.youtube.com/watch?v=rHZISM-m\\_Xo&t=525s](https://www.youtube.com/watch?v=rHZISM-m_Xo&t=525s)
- 2019 **Director and writer** of two video tutorials on Local Ecological Knowledge and Visual census as monitoring tools to reveal Climate Change effects. Produced by ISPRA and realized within the framework of the interreg EU project ‘MPA-Adapt’. Languages: English, Italian  
<https://www.youtube.com/playlist?list=PLgiaZpXFwy3vivBIlg1J12Pcsz-yliaLl>

- 2018 **Co-author of the Video MPA Adapt:** (Interreg MED project MPA-Adapt)  
<https://vimeo.com/280074073>
- 2016 **Co-author of the Video:** *Attenzione al pesce palla maculato*. Published on the youtube channel ISPRA Video  
<https://www.youtube.com/watch?v=c2fjl7pYGlg>
- 2015 **Co-writer of the documentary BALMAS** 34:51' - produced by ISPRA available at:  
[https://www.youtube.com/watch?v=B4\\_D2myKJHc](https://www.youtube.com/watch?v=B4_D2myKJHc)
- 2008 **Co-writer of the documentary** "MonItaMal - Malta and Lampedusa for the marine environment" (produced by ISPRA, 2008). 23 minutes.  
<https://www.youtube.com/watch?v=WQ7TNu5ekE8>
- 2007 **Participation** to the documentary *Tropicalization de la Mediteranee* (Thalassa, France 3) by Veronique Nizon. 32 minutes
- 2001 **Direction** of the documentary "Marine turtles". ICRAM, 12 minutes  
 ICRAM prot 82291 - Date Jan 01 2001  
[2001\\_doc\\_ispra.jpg](#); [2001\\_DOC\\_Ispra\\_cover.jpg](#)

## TV PROGRAMMES AND INTERNATIONAL MAGAZINES

- 2021 Interview to '**The Times**'. Thursday July 29 2021. [https://www.thetimes.co.uk/article/c3084276-efa3-11eb-8f01-2c678acbb979?fbclid=IwAR1-rWg98RW3tL\\_L0rH75gj2WZygl-IKBijyD2slq8hOHRqXoqeYgUE7VT](https://www.thetimes.co.uk/article/c3084276-efa3-11eb-8f01-2c678acbb979?fbclid=IwAR1-rWg98RW3tL_L0rH75gj2WZygl-IKBijyD2slq8hOHRqXoqeYgUE7VT)  
[2021\\_The\\_Times\\_pdf](#)
- 2021 Interview to '**The Guardian**'. Thursday August 24 2021.  
<https://www.theguardian.com/environment/2021/aug/24/tropical-invaders-the-meds-warming-seas-put-native-species-in-hot-water>  
[2021\\_The\\_Guardian\\_pdf](#)
- 2019 06/06/2019 RAI 1 Interview  
**TG1** - 20.00 – min 26:35  
<http://www.tg1.rai.it/dl/RaiTV/programmi/media/ContentItem-d2693ec8-e2a7-457a-b879-083963930e5a-tg1.html#p=0>
- 2019 23/05/2019 RAI 1 Interview  
**TG1** - 20.00 -  
[http://bancadati.datavideo.it/media/20190523/20190523-RAI\\_1-TG1\\_2000-204526176m.mp4](http://bancadati.datavideo.it/media/20190523/20190523-RAI_1-TG1_2000-204526176m.mp4)
- 2017 Invited guest to the TV RAI transmission **Geo&Geo** – Theme of the speech: The invasive *Lagocephalus sceleratus*. Video available at:  
<http://mediamonitoring.telpress.it/email/viewTextInEmail.php?c=1&n=news20160118&j=1045>
- 2017 Interview to '**Studio Aperto**' Mediaset Yv <http://web.pressline.it/VideoPub.aspx?callid=Nazionali-TGCOM24-20171025-123000&start=1000&docid=137222165&query=%22ispra+ambiente%22+%7e100&smode=RootOfTerms&sop=OR&user=PR%2bl3V5jy08GDeibRRWiVw%3d%3d>
- 2017 Participation to the TV RAI transmission Un Mare da Salvare, **Speciale Tg1**. - Theme of the speech: invasive species <https://vimeo.com/user15948555/maredasalvare#t=120s>



- 2017 Invited guest to the TV RAI transmission **Geo&Geo** – Theme of the speech: The invasive Lionfish *Pterois miles*. Video available at: <http://www.raiplay.it/video/2017/03/Aspettando-Geo---Geo-129f54c0-2608-4100-be1d-8b5ae7580e5a.html> (Time 1:17 – 1:26)
- 2013 Contributed to: Monitoring Marine Invasive Species in Mediterranean Marine Protected Areas (MPAs) A strategy and practical guide for Managers. Otero, M., Cebrian, E., Francour, P., Galil, B., Savini, D. IUCN, MedPAN Collection.  
<http://data.iucn.org/dbtw-wpd/edocs/2013-008.pdf>
- 2010 Contributed to: 'Mediterranée splendide fragile vivante. Rocher editor, Institut Océanographique de Monaco. Robert Calcagno & André Giordan, 2010. 175pp.

## REVIEWER

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### REFEREE FOR THE FOLLOWING JOURNALS:

- *Ecology Letters*
- *Biological Invasions*
- *Plos One*
- *Scientific Reports*
- *Biology Letters*
- *Aquatic invasions*
- *Journal of Fish Biology*
- *Estuarine, Coastal and Shelf Science*
- *Journal of Marine Biological Association UK*
- *Biologia Marina Mediterranea*
- *Marine Ecology*
- *International Journal of Ichthyology*
- *Revista de Biología Marina y Oceanografía*
- *Marine Freshwater Research*
- *Acta Ichthyologica et Piscatoria*
- *Journal of Natural history*
- *Marine Pollution Bulletin*
- *And others*

### REFEREE FOR THE FOLLOWING BOOKS

*"Life in the Mediterranean Sea: A look at habitat changes"* (Noga Stambler, editor)

### REFEREE FOR THE FOLLOWING PROJECTS

2014 by the "Israel Science Foundation". Research project: "testing the enemy release hypothesis"; Theme: Species traits and invasion: a cross-scale assessment in a changing ocean. Application No 1529/14, Budget: 63 000 US\$.

2011 by the American University of Beirut. Renewal of the Research project: Reproductive biology of *Lagocephalus sceleratus* (Teleostei, Tetraodontidae), a new toxic fish in the Mediterranean Sea, Budget: 10,000 US\$.

2010 by the American University of Beirut. Research project: Reproductive biology of *Lagocephalus sceleratus* (Teleostei, Tetraodontidae), a new toxic fish in the Mediterranean Sea, Budget: 10,000 US\$.

2006 by the "Israel Science Foundation". Research project: "testing the enemy release hypothesis"; Theme: "Lessepsian migration"; Application No 963/06, Budget: 177 795 US\$.

2006 by the International foundation for science IFS. Research project: Juvenile pelagic fish assemblages in the coastal waters of Lebanon: biodiversity, biological characteristics, landings, and stock assessment. Applicant No. AA/17627, Budget: 11 800 US\$.

2016 United Nations Individual consultant Team Leader - National consultant to develop a GEF-UNDP

## ROLE IN CONGRESSES, MEETINGS AND WORKSHOPS

### INVITED EXPERT / PANELIST / MEMBER OF SCI-COMMISSIONS TO THE FOLLOWING INTERNATIONAL MEETINGS

- 2021 Invited speaker to the Interregional workshop on territories' vulnerability to invasive alien species May 20th 2021. Organized by Office de l'Environnement de la Corse – Uffiziu di l'Ambiente di a Corsica. Title of the speech: Participatory approaches to monitor marine bio-invasions in the Mediterranean Area. Online meeting
- 2021 Invited speaker to the online meeting of the Scientific Advisory Committee on Fisheries (SAC) Subregional Committee for the Eastern Mediterranean (SRC-EM) May 27th 2021. Organized by FAO and GFCM. Title of the speech: NIS: updates for the eastern Mediterranean subregion. Online meeting
- 2021 Invited speaker to the online meeting of the Scientific Advisory Committee on Fisheries (SAC) Subregional Committee for the Central Mediterranean (SRC-CM) April 23<sup>rd</sup> 2021. Organized by FAO and GFCM. Title of the speech: NIS: updates for the Adriatic subregion. Online meeting
- 2021 Invited speaker to the online meeting of the Scientific Advisory Committee on Fisheries (SAC) Subregional Committee for the Western Mediterranean (SRC-WM) March 11<sup>th</sup> 2021. Organized by FAO and GFCM. Title of the speech: NIS: updates for the central Mediterranean subregion. Online meeting  
[2021\\_3\\_GFCM\\_Agenda.pdf](#)
- 2020 Invited Panelist for FAO Regional Mediterranean Projects - Webinar on "Local Ecological Knowledge" (LEK), 11 June 2020. Available at <ftp.faomedprojects.org> ; User: webinar ; Password (case sensitive): 05webinaRleK07
- 2020 Invited participant to the 'Lionfish Knowledge Exchange Workshop' undertaken by the Turkish Ministry of Agriculture and Forest under the United Nations Development Programme. November 04-05 2020.  
[2020\\_Lionfish\\_Workshop.pdf](#)
- 2020 Invited Speaker. Title of presentation: 'Spatial dynamics of non- indigenous fishes in Mediterranean Sea'. Presented at the DEEP BLUE: Developing Education and Employment Partnerships for a Sustainable Blue Growth ONLINE Training-of-Trainers: Effective management and sustainable development of fisheries resources and aquaculture. Tunis, Tunisia 07-10 December 2020.  
<http://bluegrowth.inogs.it/content/training-trainers-materials> [2020\\_12\\_DeepblueAgenda.pdf](#);  
[2020\\_12\\_Deepblue\\_certificate.pdf](#)
- 2020 Trainer for FAO Small Scale fish University. November 10<sup>th</sup> 2020. Online meeting.  
[2020\\_11\\_FAO\\_Agenda\\_FAO Small Scale Fisheries University.pdf](#)
- 2020 Invited speaker to the capacity building workshop by the Mediterranean Biodiversity Protection Community. Online meeting, November 20<sup>th</sup> 2020. **Montenegro**. [2020\\_11\\_MBPC\\_agenda.pdf](#)
- 2020 Invited Panelist at the Regional Workshops for the UN Decade of Ocean Science for Sustainable Development 2021-2030. The Mediterranean Sea We Need for the Future We Want - UNESCO-IOC, 21-23 January 2020, Venice, **Italy**
- 2019 Invited Chair at the CIESM board regular meeting, 10 & 11th December 2019, Paris, **France**.
- 2019 Invited Panelist at the 42th CIESM Congress, 6th & 12th October 2019, Cascais, **Portugal**.  
[http://ciesm.org/marine/congresses/sessions\\_cascais.php#thursday](http://ciesm.org/marine/congresses/sessions_cascais.php#thursday)
- 2019 Moderator at the international conference: Marine Protected Areas in the climate change era: challenges & opportunities, 4th & 5th June 2019, Barcelona, **Spain**.  
[https://www.dropbox.com/s/lpoh4gjfrva5lwc/MPA-Adapt%20Final%20Conference\\_June\\_2019\\_Report.pdf?dl=0](https://www.dropbox.com/s/lpoh4gjfrva5lwc/MPA-Adapt%20Final%20Conference_June_2019_Report.pdf?dl=0)

2019. Plenary Lecturer and Member of the Scientific Committee. RAC-SPA. Mediterranean Symposia on Marine Key Habitats and NIS. January 14-18 2019, Antalya, **Turkey**. <https://sympo.rac-spa.org/event/2/>. [2018\\_Antalya.pdf](#), [2018\\_Keynote\\_Antalya.pdf](#)
2019. Invited participant to the Med Programme event 'Med for you' 24-10-2019, Athens, Greece. [2019\\_Attendance\\_certificate\\_Ernesto\\_AZZURRO.pdf](#)
2018. Invited Speaker to the international workshop organized by Viceconsejería de Medio Ambiente del Gobierno de Canarias and Interreg project MIMAR (Mac 4.6D/066): Análisis de riesgo de las Especies Exóticas introducidas a través de los Puertos, y el Monitoreo y Control de Peces Exóticos. Nov 5-6, Las Palmas, **Canary Island, Spain**. [2018\\_invited\\_LasPalmas\\_MIMAR.pdf](#), [2018\\_invited\\_LasPalmas\\_MIMAR\\_PROGRAMA.pdf](#)
2018. Invited Expert. Horizon Scanning Workshop: Predicting future invasions in EU Seas. October 4-5, JRC, ISPRA, **Italy**. [2018\\_invited\\_JRC\\_HS.pdf](#)
2018. Invited Expert. To the international meeting: 'Mise en polace d'une approche écosystémique dans la lagune des Bibans (Tunisie)'. Invited by Ministère de l'Agriculture des Ressources Hydrauliques et de la pêche. June, 21-25, **Bibane, Tunisia**. [2018\\_invited\\_Bibane\\_Tunisia.pdf](#)
2018. Invited Trainer. Workshop on marine invasive species management in Mediterranean marine protected Areas: Fieldwork training on monitoring AIS. Ayia Napa Municipal Museum 14, Kryou Nerou Avenue.. Organized by IUCN. Ayia Napa 24 to 26 April, **Cyprus**. [2018\\_invited\\_IUCN\\_Cyprus.pdf](#)
2018. Invited Expert. CIESM Workshop n° 50  
"Direct impacts of marine species on human activities – scientific vs stakeholders perceptions". 18-21 avril 2018, **Paris**. [2018\\_Agenda\\_Paris\\_CIESM.pdf](#)
2018. Invited Expert. Mitigation of biological invasions' impacts in the Mediterranean Sea: from theory to practice, 27th -28th March 2018, UZA II building (Geozentrum) of the University of Vienna, **Austria**. [2018\\_invited\\_Agenda\\_Vienna.pdf](#), [2017\\_invited\\_Vienna.pdf](#)
2017. Invited Expert. Working group on small-scale and recreational fisheries (WGSSF) FAO HQ, 12 Sep (Tue), 2017 - 13 Sep (Wed), 2017, Rome, **Italy**
2017. Invited Expert. Workshop CIESM on Exotic fish Atlas. Oceanographic Institute, 11,12 May 2017, Paris, **France**. [2017\\_invited\\_CIESM\\_Paris.pdf](#)
2017. Invited Speaker. Journée Nationale d'Etude des Espèces Non Indigènes invasives et leurs impacts sur l'Environnement marin et le secteur de la Pêche et de l'Aquaculture. Auditorium of INAT, September 18, 2017, Tunis, **Tunisia**. [2017\\_invited\\_Tunisia.pdf](#)
2017. Invited Speaker. Leibniz Institute for freshwater Ecology and Inland Fisheries: *Mediterranean bioinvasions: a magnificent natural experiment for ecological research*, February 23th 2017. **Berlin, Germany**. <http://www.igb-berlin.de/en/veranstaltung/dr-ernesto-azzurro-0>
2017. Invited Speaker. Workshop on Small-scale fishery at FAO: Project FAO MedSudMed. Tunis 8-9 May, 2017, Hotel Cartage Thalassa, **Tunis, Tunisia**. [2017\\_invited\\_FAO\\_Tunis.pdf](#)
2017. Invited Speaker. Workshop on Small-scale fishery at FAO headquarters. 7-8th November 2017, Rome, **Italy**. [2017\\_invited\\_FAO.pdf](#)
2017. Invited Speaker. Workshop on Small-scale fishery at FAO: Project FAO AdriaMed, 30-31th January 2017, Rome, **Italy**.
2015. Invited Speaker. Monitoring emerging changes in Mediterranean biodiversity: new opportunities arise from Local Ecological Knowledge. Presented at the: International Conference on Mediterranean marine Protected Areas, from threats on the ecosystems to management. 15-17 October 2015, Ancona, **Italy** [2015\\_invited\\_Ancona](#)
2015. Invited Speaker. Using Local Ecological Knowledge to monitor marine bio-invasions: concepts and applications. 4th Regular BALMAS meeting March 24<sup>th</sup> - 26th, Durres, **Albania**. [2015\\_invited\\_Albania.pdf](#)
- 2015 and 2016 Invited Trainer: Parc Natural del Montgri, les Illes Medes I el Baix Ter. *Second census of indicator fish species*. October 2015 and 2016. Estartit, **Spain** [2015\\_2016\\_Medes.jpg](#)
2014. Invited Speaker: Fish invasion in the Mediterranean Sea: a focus on *Fistularia commersonii* and *Lagocephalus sceleratus* to the AdriaMed - Working Group in Small Scale Fisheries. Organized by FAO at the Institute of Oceanography and Fisheries of Split, December 16-17, 2014, Split, **Croatia**. [2014\\_invited\\_FAO\\_Split\\_Croatia.pdf](#)
2014. Invited Speaker: Training workshop on Climate Change and MPAs organized by MedPAN and RAC/SPA. April 1-4<sup>th</sup> Cadaques, Spain. [2014\\_invited\\_Medpan.pdf](#)

2014. Invited Speaker: Emerging approaches in bio-invasion research - 'Marine bioinvasions' workshop. Dan Accadia Hotel in Herzelya Pituach. November 23rd - 26th, 2014, -Tel Aviv, **Israel** [2014\\_invited\\_telAviv\\_Israel.pdf](#)
2013. Invited Speaker: to the workshop: Contemporary fish biodiversity changes in coastal and demersal environments. 2013. INAT (Institut National Agronomique de Tunisie), September 24<sup>th</sup> - October 2nd, 2013, Tunisi, **Tunisia**, [2013\\_Tunisia.jpg](#)
2013. Invited Expert to the international workshop on 'Lessepsian fish species: Ecology, biology and patterns of invasion. **Banyuls, France**. [2013\\_invited\\_banyuls\\_France.pdf](#)
2013. Invited Speaker: CIESM Congress, October 28th- November 1<sup>st</sup>, Marseille, **France**.
2012. Invited Speaker: 'Scientific Strategy for a Global Approach to Promote Regional EAF in the Mediterranean Sea' Workshop. Organized by WP6 of FP7-EU-CREAM Project (<http://www.cream-fp7.eu/>). July 3<sup>rd</sup>-4<sup>th</sup> 2012, Sete, **France**. [2012\\_Invited\\_Setete\\_France.pdf](#)
2012. COST Action: FA1004: WP2 Meeting. ECOST-MEETING-FA1004-300512-017402. May 30<sup>th</sup>-31<sup>th</sup> 2012, **Oristano, Italy** [2012\\_invited\\_COST\\_Sardinia.pdf](#)
2012. Invited Expert to the 'International workshop: 'molecular tools for monitoring marine invasive species'. Organized by CONISMA. September 14-16th, **Lecce, Italy**. [2012\\_invited\\_Lecce\\_Italy.pdf](#)
2012. Invited Expert to the 'International workshop: Conservation Physiology of Marine Fishes, September 24-26, **Pula, Croatia**. [2012\\_invited\\_COST\\_Croatia.pdf](#)
2010. Invited Panelist: 'new options for sustainable fisheries', 39th CIESM congress. Presentation title: Some potentialities and limits of fishermen participation in biodiversity monitoring programmes. 10-14 may, 2010, Venice, **Italy**:
2010. Invited Panelist: 'signs of change', 39th CIESM congress, Venice 10-14 may, 2010: Presentation title: Moschella P., Alberto F., Antoniadou C., Azzurro E.,...and the Ciesm tropical signals team: Ciesm tropical signals program – tracking biogeographic trends in a changing sea. 10-14 may, 2010, Venice, **Italy**.
2014. Invited Speaker: Parc Natural del Montgri, les Illes Medes I el Baix Ter. *First census of indicator fish species*. 14-15 October, 2014. **Estartit, Spain**.
2013. Invited Speaker. INAT (Institut National Agronomique de Tunisie). *Potentialities of public participation in biodiversity monitoring programmes: A focus on marine invaders*. September 30th 2013, **Tunisi, Tunisia**
2012. Invited Speaker UMR 5119 « ECOSYM » research unit "Ecology of coastal marine systems. *Fish invasions in the Mediterranean Sea: Overview and perspectives of study*, July 2<sup>nd</sup> 2012. **Montpellier, France**.
2008. Invited Speaker ICM-CSIC. *Climate change and emerging biotic responses in the Mediterranean: cases of study*, July 2<sup>nd</sup> 2008. **Barcelona, Spain**. [2008\\_ICM\\_talk\\_invited.jpg](#)
2008. Invited Expert. CIESM Workshop on *Mediterranean biogeographic indicators of global warming*. May 28<sup>th</sup>-31<sup>th</sup> 2008, Helgoland, **Germany**. [2008\\_Helgoland Wk35\\_2008.pdf](#)
2008. Invited Expert. University of Malta. *Biodiversity, alien species and climate change: application of visual census techniques*, June 20<sup>th</sup> 2008. **Valletta, Malta**.

#### INVITED SPEAKER TO NATIONAL CONFERENCES AND SCIENCE SHOWS

2021. I pesci del Futuro. Diretta Facebook [https://www.facebook.com/watch/live/?v=2920305218228035&ref=watch\\_permalink](https://www.facebook.com/watch/live/?v=2920305218228035&ref=watch_permalink)
2021. Mediterraneo: aumentano gli. Avvistamenti alieni. Science show in diretta facebook condotto da Renato Sartini [https://www.youtube.com/watch?v=Dq\\_WfrTM8AU&t=452s](https://www.youtube.com/watch?v=Dq_WfrTM8AU&t=452s)
2018. Migrazioni di Mare: Natura e Cultura. Stazione Zoologica Anton Dohrn, Naples, Italy. December 11th. <https://www.youtube.com/watch?v=g9Npjf4iM14> [2018\\_12\\_Napoli.pdf](#)
2016. Local Ecological Knowledge. Infoday il progetto BALMAS. Palace Hotel, Bari July 14<sup>th</sup>
2014. Mediterraneo tropicale: specie esotiche nei nostril mari: climatici e biodiversità: il caso del Mar Mediterraneo. Tellaro (Lerici) SP, October 12<sup>th</sup>
2013. Invited speaker: Monitoring the changing Mediterranean fish diversity: the promise of community-based actions". XXXIX Congresso della Società Italiana di Biogeografia, 29-31 maggio, 2013, Rapallo, **Italy**.
2011. Invited expert: Conservation physiology of marine fishes Conference: European project: COST Action. September 26th-28<sup>th</sup> 2011, Porto, **Portugal**. [2011\\_invited\\_porto.pdf](#)
2010. Cambiamenti climatici e biodiversità: il caso del Mar Mediterraneo: Fermo, piazza del popolo, 9/4/2010 "Parliamo di scienza", Lipu, Comune di Fermo, Provincia di Fermo.

2006. Cambiamenti globali e tropicalizzazione: nuove specie esotiche in Mediterraneo ed in Adriatico. Comune di Fermo, Centro Congressi San Martino, 19/04/2006 <http://www.lifeland.it/news.asp?cat=84> ; [2006\\_convegno\\_ClimacheCambia.pdf](#)
2010. Oltre la "Citizen Science": studenti volontari ed il programma tropical signals" I° Convegno Annuale For-Mare O.n.l.u.s. Volontariato e ricerca nelle aree marine protette: risultati scientifici dei corsi for-mare 2010. 17 Dic 201Aula Magna, Università degli Studi di Pavia

#### INVITED TO THE FOLLOWING INTERNATIONAL FIELD SURVEYS

- October 2019. SOLEMON trawl survey – Adriatic campaign, **Italy**
- May 2018. INAT Tunis. Local Ecological Knowledge Survey along the Tunisian coasts, **Tunisia**
- March, 2008. ICM\_CSIC, Barcelona, Spain. Trawl-survey in the deep waters of the Catalan Sea, with the Vessel "Garcia del Cid", **Spain** [2008\\_campagna\\_biomare.jpg](#)
- July 23th – August 4th 2008. ICRAM, "Mytiad"; Vessell: Astrea. Adriatico: **Italia, Slovenia, Croazia, Montenegro, Albania**. [2008\\_campagna\\_mytiad.jpg](#)

#### PARTICIPATION TO OTHER CONGRESSES

2011. VII International Conference on Marine Bioinvasions. CosmoCaixa Science Museum, August 23th-25th 2011, Barcelona, Spain.
2011. Outbreaks and Alien species workshop. European project: VECTORS of Change. May 29th-31th 2011, Rome, Italy.
2011. MedSeA Training Workshop. "CO2 vents as natural laboratories for ocean acidification studies" MedSeA Training Workshop. May 25th-27th 2011, Vulcano Island, Italy.
2011. First Meeting of the Management Committee of COST Action FA1004: Conservation Physiology Of Marine Fishes. May 22th-24th 2011, Bruxelles, Belgium.
2010. Ocean Past, Dublin, Ireland.
2010. XXXIX CIESM Congress, Venezia. Italy.
2009. CIESM. Launching Meeting of the CIESM programme 'Tropical signals'. March 5th-7th, Menton, France.
2007. XII European Congress of Ichthyology, 9-13 Sept, Cavtat (Dubrovnik). Croatia
2007. XXXVIII CIESM Congress, 9-13 Apr, Istanbul, Turkey.
2004. XXXVIII European Marine Biology Symposium, 21-24 Jul., Genoa, Italy
2004. XXXV Symposium SIBM, 19-20 Jul., Genoa, Italy
2002. IX national symposium on Fish Pathology, 3-5 October , Lucca, Italy.
2000. XXXI Symposium SIBM. 14-21May, Sharm el Sheik, Egypt.
1999. International Symposium of Fish Physiology. 4-9 Jul. Bergen, Norway.
1999. XXX Symposium SIB. 7-12 Jun, Vibo Valentia, Italy.
1998. International Symposium on Mediterranean Groupers. 5-7 Nov. Ile des Embiez, France
1998. XXXIII International Symposium on New Species for Mediterranean Aquaculture, 22-24 Apr., Alghero, Italy.
1998. XXIX Symposium SIBM. 15-20 Jun., Ustica, Italy. 1994. XXVI Symposium SIBM. 22-27 May, Sciacca, Italy.

#### ORGANIZATION OF SYMPOSIA

- 2011 VII INTERNATIONAL CONFERENCE ON MARINE BIOINVASIONS. CosmoCaixa Science Museum, Barcelona, Spain 23-25 August 2011. Entitled 'Advances and Gaps in Understanding Marine Bioinvasions'. Advisors Judith Pederson, MIT Sea Grant College Program, USA Jim Carlton, Williams College, USA. Local organizing committee and Organization of a special session entitled: The Mediterranean crossroad: new species in an ancient sea. <http://www.marinebioinvasions.info/files/ICMBVII.pdf> [2011\\_ICMB\\_LtrOfCert\\_Azzurro\\_E.pdf](#)



## PUBLICATIONS

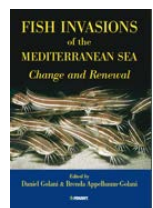
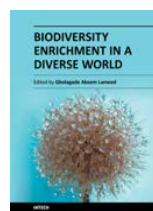
## BOOKS

1. Golani D., Azzurro E., Dulčić J., Massutí E. and Orsi-Relini L. 2021. Atlas of Exotic Fishes in the Mediterranean Sea. 2nd edition [F. Briand, Ed.] 365 pages. CIESM Publishers, Paris, Monaco. ISBN number 978-92-990003-5-9
2. Golani D, Orsi-Relini L, Massuti E, Quingnard JP, Dulčić J, **Azzurro E.** (2011-2013). CIESM Atlas of Exotic Fishes in the Mediterranean. <http://www.ciesm.org/atlas/appendix1.html>.



## BOOK CHAPTERS AND MONOGRAPHS

1. **Azzurro E.** 2018. Local Ecological Knowledge: witness of a changing sea. Pp. 39-45 In CIESM Monograph 50 (F. Briand Ed.) Engaging marine scientists and fishers to share knowledge and perceptions – Early lessons [F. Briand, Editor], 218 pages. CIESM Publisher, Paris, Monaco.
2. Briand F. (Editor). 2018. Engaging marine scientists and fishers to share knowledge and perceptions – An overview. In book: CIESM Monograph n° 50. Engaging marine scientists and fishers to share knowledge and perceptions – Early lessons [F. Briand, Editor], 218 pages. CIESM Publisher, Paris, Monaco.
3. **Azzurro E.** 2016. New species in the Adriatic Sea: what to do, how to recognize them. A guide for small-scale and sport fishing. ISPRA, Quaderni Ricerca Marina n. 9 bis/2016 ISBN 978-88-448-0786-3 Available at [http://www.isprambiente.gov.it/files/pubblicazioni/quaderni/ricercamarina/Quad\\_RicMar\\_9bis\\_16\\_Balmas.pdf](http://www.isprambiente.gov.it/files/pubblicazioni/quaderni/ricercamarina/Quad_RicMar_9bis_16_Balmas.pdf)
4. Kalogirou S., **Azzurro E.**, Bariche M. 2012. The Ongoing Shift of Mediterranean Coastal Fish Assemblages and the Spread of Non Indigenous Species. In: "Biodiversity Enrichment in a Diverse World", Edited by Gbolagade Akeem Lameed, ISBN 978-953-51-0718-7, Published: August 29, 2012 under CC BY 3.0 license
5. **Azzurro, E.** 2010. *Unusual occurrences of fish in the Mediterranean Sea: an insight on early detection.* In: D. Golani & B. Appelbaum-Golani (Eds.). Fish Invasions of the Mediterranean Sea: change and renewal. Pensoft Publishers, Sofia-Moscow. Pp 99-126. ISBN: 978-954-642-526-3.
6. Bernardi G., Golani D., **Azzurro E.** 2010. *The genetics of Lessepsian bioinvasions.* In: D. & B. Golani (eds.). In: D. Golani & B. Appelbaum-Golani (Eds.). Fish Invasions of the Mediterranean Sea: change and renewal. Pensoft Publishers, Sofia-Moscow. Pp 71-84. ISBN: 978-954-642-526-3
7. **Azzurro E.,** 2008. *The advance of thermophilic fishes in the Mediterranean Sea: overview and methodological questions.* In: *Climate warming and related changes in Mediterranean marine biota. N° 35 in CIESM Workshop Monographs [F. Briand, Ed.], 152 pages, Monaco. Pp 39-46.* ISSN: 1726-5886
8. Boero N., Féral J.P., **Azzurro E.**, Cardin V., Riedel B., Despalatović M., Munda I., Moschella P., Zaouali J., Fonda Umani S., Theocharis A., Wiltshire K. and F. Briand, 2008. *Executive summary of N° 35 CIESM Workshop Monographs (Climate warming and related changes in Mediterranean marine biota) [F. Briand, Ed.], 152 pages, Monaco. Pp 5--21.* ISSN: 1726-5886



## POPULAR BOOKS

1. **Azzurro E.,** Fanelli E. 2020. Portami al mare. Un viaggio nel Mediterraneo per piccoli scienziati. Collana **Libri Monelli**, Momo Edizioni, 2020, pp.36. ISBN 978-88-945133-3-2
2. Fanelli E., **Azzurro E.** 2018. Occhi di Mare. Un tuffo nella biologia marina per i più piccoli. ISBN 978-88-826-364-7. ENEA Publisher, Printed in Italy. [http://www.iclerici.gov.it/pvw/app/default/pvw\\_img.php?sede\\_codice=SPME0039&doc=2217994](http://www.iclerici.gov.it/pvw/app/default/pvw_img.php?sede_codice=SPME0039&doc=2217994)



## REGIONAL REPORTS

1. Contributing author to: MedECC (2020) Climate and Environmental Change in the Mediterranean Basin – Current Situation and Risks for the Future. First Mediterranean Assessment Report [Cramer, W., Guiot, J., Marini, K. (eds.)] Union for the Mediterranean, Plan Bleu, UNEP/MAP, Marseille, France, 600pp. Written by 190 scientists from 25 countries <https://www.medecc.org/first-mediterranean-assessment-report-mar1/>  
[https://www.medecc.org/wp-content/uploads/2020/11/MedECC\\_MAR1\\_2\\_Drivers.pdf](https://www.medecc.org/wp-content/uploads/2020/11/MedECC_MAR1_2_Drivers.pdf) Authors:  
<https://www.medecc.org/mar1-contributing-authors/>
  
3. Contributing author to: Cherif S, Doblas-Miranda E, Lionello P, Borrego C, Giorgi F, Iglesias A, Jebari S, Mahmoudi E, Moriondo M, Pringault O, Rilov G, Somot S, Tsikliras A, Vila M, Zittis G 2020 Drivers of change. In: Climate and Environmental Change in the Mediterranean Basin – Current Situation and Risks for the Future. First Mediterranean Assessment Report [Cramer W, Guiot J, Marini K (eds.)] Union for the Mediterranean, Plan Bleu, UNEP/MAP, Marseille, France, pp. 59-180 [https://www.researchgate.net/profile/Semia-Cherif/publication/348845210\\_Climate\\_and\\_Environmental\\_Change\\_in\\_the\\_Mediterranean\\_Basin\\_-\\_Current\\_Situation\\_and\\_Risks\\_for\\_the\\_Future\\_Chapter\\_2\\_Drivers\\_of\\_Change/links/608d4cca299bf1ad8d6e813f/Climate-and-Environmental-Change-in-the-Mediterranean-Basin-Current-Situation-and-Risks-for-the-Future-Chapter-2-Drivers-of-Change.pdf](https://www.researchgate.net/profile/Semia-Cherif/publication/348845210_Climate_and_Environmental_Change_in_the_Mediterranean_Basin_-_Current_Situation_and_Risks_for_the_Future_Chapter_2_Drivers_of_Change/links/608d4cca299bf1ad8d6e813f/Climate-and-Environmental-Change-in-the-Mediterranean-Basin-Current-Situation-and-Risks-for-the-Future-Chapter-2-Drivers-of-Change.pdf)

## ISI PAPERS WITH REPORTED IMPACT FACTOR

**2021**

1. Tiralongo F., La Mesa G., Paladini De Mendoza F., Massari F., **Azzurro A.** 2021. Underwater photo contests to complement coastal fish inventories: results from two Mediterranean Marine Protected Areas. *Medit. Mar. Sci. In press* IF: **2.071**
2. Ulman, A., Harris, H.E., Doumpas, N., Deniz Akbora, H., Al Mabruk, S.A., **Azzurro, E.**, Bariche, M., Çiçek, B.A., DEIDUN, A., Demirel, N. and Fogg, A.Q., 2021. Low pufferfish and lionfish predation in their native and invaded ranges suggests human control mechanisms may be necessary to control their Mediterranean abundances. *Front. Mar. Sci.* 8, p.868. <https://doi.org/10.3389/fmars.2021.670413> IF: **3.712**
3. Tiralongo F., La Mesa G., Paladini De Mendoza F., Massari F., **Azzurro A.** 2021. Underwater photo contests to complement coastal fish inventories: results from two Mediterranean Marine Protected Areas. *Medit. Mar. Sci. In press* IF: **2.071**
4. **Azzurro E.**, Cerri J. 2021. Participatory mapping of invasive species: a demonstration in a coastal lagoon. *Marine Policy* 126 104412. doi:10.1016/j.marpol.2021.104412. IF: **2.610**
5. Dragičević B., Fricke R., Ben Soussi J., Ugraković P., Dulčić J., **Azzurro E.**, 2020 On the occurrence of *Abudefduf* spp. (Pisces: Pomacentridae) in the Mediterranean Sea: a critical review with new records. *Bio Invasion records* (Volume 10, Issue 1: 188–199 IF: **1.504**
6. Kleitou P., Hall-Spencer J., .. **Azzurro E.**, ..Rees S., 2021. The case of lionfish (*Pterois miles*) in the Mediterranean Sea demonstrates limitations in EU legislation to address marine biological invasions. *Journal of Marine Science and Engineering*, 9, 325. <https://doi.org/10.3390/jmse903032> IF: **2.033**



7. Orfanidis S., Alvito A., **Azzurro E.**, et al., 2021. New Alien Mediterranean Biodiversity Records (March 2021). *Medit. Mar. Sci.*, 22/1, 2021, 180-198 IF: **2.071**
8. Ghanem R., Ben Souissi J., **Azzurro E.** 2021. Documented occurrence of the exotic soldierbream *Argyrops filamentosus* (Valenciennes, 1830) in the Specially Protected Area of Zembra (Tunisia): a result of a joint monitoring strategy. *Cah. Biol. Mar.* 62 : 227-233. IF= **0.722**

## 2020

9. Poursanidis D., Kalogirou S., **Azzurro E.**, Parravicini E, Bariche M., Dohna EZ. 2020. Habitat suitability, niche unfilling and the potential spread of *Pterois miles* in the Mediterranean Sea. *Marine Pollution Bulletin*. IF: **3.782**
10. Cerri J., Chiesa S., Frati F., Bolognini L., Dracicevic B., Dulcic J. and **Azzurro E.** 2020. Using online questionnaires to assess marine bio-invasions: a demonstration with recreational fishers and the Atlantic blue crab *Callinectes sapidus* (Rathbun, 1986) along three Mediterranean countries. *Marine Pollution Bulletin* 156: 111209. <https://doi.org/10.1016/j.marpolbul.2020.111209> IF: **3.782**
11. Aguzzi J., Ivesa N., ... **Azzurro E.**, .. Danovaro R. 2020. Ecological video monitoring of Marine Protected Areas by underwater cabled surveillance cameras. *Marine Policy* 119, IF: **2.610**
12. D'Amen M., **Azzurro E.** 2020. Lessepsian fish invasion in Mediterranean Marine Protected Areas: a risk assessment under climate change scenarios. *ICES Journal of Marine Science* <https://doi.org/10.1093/icesjms/fsz207> IF: **3.593**
13. Danovaro R., Bianchelli S., Argyrou M., **Azzurro E.**, et al., 2020. Towards a Marine Strategy for the Deep Mediterranean Sea: Analysis of current ecological status. *Marine Policy* 112, 103781. IF: **2.610** <https://doi.org/10.1016/j.marpol.2019.103781>
14. Tsiamis K., **Azzurro E.**, Bariche M., et 21 other authors. 2020. Prioritizing marine invasive alien species in the European Union through horizon scanning. *Aquatic Conservation* DOI: 10.1002/aqc.3267. IF: **2.935**
15. Tuset V., Lombarte A., Bariche M., **Azzurro E.** 2020. Otolith morphological divergences of successful Lessepsian fishes on the Mediterranean coastal waters. *Estuarine, Coastal and Shelf Science*, 236, 106631. <https://doi.org/10.1016/j.ecss.2020.106631> IF: **2.611**
16. **Azzurro E.**, Cerri E., Bariche M., Garrabou J. 2020. The long reach of the Suez Canal: *Lagocephalus sceleratus* (Gmelin, 1789) an unwanted Indo-Pacific pest at the Atlantic gates. *BioInvasion Records* 9(2):204-208, IF: **1.504**
17. Dimitriadis C., Galanidi M., ...**Azzurro E.**... Katsanevakis, S. 2020. An update on the occurrence of *Pterois miles* in the Mediterranean Sea up to 2019 by using multiple reporting tools and citizen science initiatives. *Mediterranean Marine Science*, 21/1, 62-69. <http://dx.doi.org/10.12681/mms.21845>. IF: **1.873**
18. Ragkousis M., Abdelali N., **Azzurro E.**, Bariche M., et al., 2020. New Alien Mediterranean Biodiversity Records (October 2020). *Mediterranean Marine Science* <https://doi.org/10.12681/mms.23674> IF: **1.873**
19. Santiago-Garcia A., Lombarte T., Azzurro E., 2020. The twobar seabream, *Acanthopagrus bifasciatus* (Teleostei: Sparidae), in the western Mediterranean Sea: a likely ship-borne introduction. *BioInvasions Records* 9(3): 570-573 (2020) IF: **1.504**
20. Katsanevakis S., Poursanidis D., Hoffman R., ... **Azzurro E.**, ... et al. 2020. Unpublished Mediterranean records of marine alien and cryptogenic species. *BioInvasions Records* 9(2):165-182 IF: **1.504**
21. Tiralongo, F., Crocetta, F., Riginella, E., Lillo, A. O., Tondo, E., Macali, A., ... & **Azzurro, E.** (2020). Snapshot of rare, exotic and overlooked fish species in the Italian seas: A citizen science survey. *Journal of Sea Research*, 101930. IF: **1.06**

## 2019

22. **Azzurro E.**, Sbragaglia V., Cerri J., Bariche M., Bolognini L., Ben Souissi J., Busoni G., Coco S., Chryssanthi A., Fanelli E., Garrabou J., Gianni F., Grati F., Kolutari J., G. Letterio, L. Lipej, C. Mazzoldi, N. Milone, F. Pannacciulli, A. Pešić, Raouhia Ghanem, Y. Samuel-Rhoads, L. Saponari, J. Tomanic, N. Eda Topçu, G. Vargiu, P. Moschella. 2019. Climate change, invasive species and the shifting distribution of Mediterranean fishes: a large scale assessment based on Local Ecological Knowledge. *Global Change Biology*. 25(8):2779-2792 <https://doi.org/10.1111/gcb.14670> IF: **8.997**

23. D'Amen M., **Azzurro E.** 2019. Integrating univariate niche dynamics in species distribution models: a step forward for marine research on biological invasions. *Journal of Biogeography* 00:1–12. <https://doi.org/10.1111/jbi.13761> IF: **4.246**
  24. Chiesa S., **Azzurro E.**, Bernardi G. 2019. The genetics and genomics of marine fish invasions: a global review. *Reviews in Fish Biology and Fisheries*. <https://doi.org/10.1007/s11160-019-09586-8> IF: **3.506**.
  25. Tsiamis K., **Azzurro E.**, et al. Prioritizing marine invasive alien species in the EU through Horizon Scanning *Aquatic Conservation: Marine and Freshwater Ecosystems* IF: **2.935** (accepted)
  26. Sbragaglia V., Cerri J., Bolognini L., Dragicevic B., Dulcic J., Grati F., **Azzurro E.** 2019. Recreational fishers consistently inform about different meridionalization dynamics of two Mediterranean subregions. *Marine Ecology Progress Series*. IF: **2.619**
  27. Giakoumi, S., Katsanevakis, S., Albano, P. G., **Azzurro, E.**, Cardoso, A. C., Cebrian, E., ... & Mačić, V., 2019. Management priorities for marine invasive species. *Science of the total environment*, 688, 976-982. IF: **5.589**
  28. Garrabou J., ..... **Azzurro E.** ...et al (63 authors), 2019. Collaborative database to track Mass Mortality Events in the Mediterranean Sea. *Frontiers in Marine Science, Global Change and the Future Ocean*, 6, 607. IF: **3.08**
  29. Samia D.S.M., Bessa E., Blumstein, D.T., Nunes, J. A. C. C., **Azzurro E.**, Morroni L., Sbragaglia V., A. Januchowski-Hartley F.A., Geffroy B., 2019. A meta-analysis of fish behavioural reaction to underwater human presence. *Fish and Fisheries*. 00:1–13. <https://doi.org/10.1111/faf.12378> IF: **6.99**
  30. Servello G., Andaloro F., **Azzurro E.**, Castriota L., Catra M., Chiarore A., et al., 2019. Marine alien species in Italy: a contribution to the implementation of descriptor D2 of the marine strategy framework directive. *Mediterranean Marine Science* 20/1, 2019, 1-48 IF: **1.873** <http://dx.doi.org/10.12681/mms.18711>
  31. Tiralongo, F., Lillo, A. O., Tibullo, D., Tondo, E., Martire, C. L., D'Agnesse, R., ... & **Azzurro, E.** (2019). Monitoring uncommon and non-indigenous fishes in Italian waters: One year of results for the AlienFish project. *Regional Studies in Marine Science*, 28, 100606. IF: **1.462** <https://doi.org/10.1016/j.rsma.2019.100606>
  32. Kersting D., Azzurro E., 2019. Captures of *Molva molva* (Linnaeus, 1758) still happen in NW Mediterranean waters. *Acta Adriatica* 60(1): 103 – 106. ISSN: 0001-5113 IF: **0.47**
- 2018**
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#### PREPRINTS

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2. Azzurro E., Sbragaglia V., Cerri J., Bariche M., Bolognini L., et al. 2019. The shifting distribution of Mediterranean fishes: a spatio-temporal assessment based on Local Ecological Knowledge. Marxiv <https://marxiv.org/zgupd/> (Printed by Global Change Biology)

#### NO-ISI PUBLICATIONS

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3. Grati F., Aladzuz A., **Azzurro E.**, Bolognini L. Carbonara P. et al. 2016. Seasonality of set gears and eco-ethology of the target species: a comparative approach in the Adriatic Sea. GFCM, Algeri

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5. **Azzurro E.**, Soto S., Bariche M., Fanelli W., Maynou F. 2013. Exotic fish species in the Mediterranean Sea: analysis of occurrence records. *Rapp. Comm. Int. Mer Médit.*, 40, 2013. P 508.
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20. Massari A., Marino G., Di Marco P., **Azzurro E.**, and A. Mandich (1998). Ovary Maturity stages and periodicity of reproduction in the dusky grouper (*Epinephelus marginatus*, Lowe 1834). In: *New Species for Mediterranean Aquaculture*, (Enne and Greppi eds) 297-301.

#### DATASET

Cerri J., Bolognini L., Dracicevic B., Grati F., Sbragaglia V., Dulcic J., Azzurro E. 2019. Poleward expanding species and non-indigenous species along the Italian, Croatian and Montenegrin coasts: a large-scale survey based on online questionnaires. Zenodo. <https://zenodo.org/record/3588353#.XgGz3C2h3Uo>

#### PREPRINTS

Cerri et al.. and Azzurro, E. (2019). Using online questionnaires to assess marine bio-invasions: a demonstration with recreational fishers and the Atlantic blue crab *Callinectes sapidus* (Rathbun, 1986) along three Mediterranean countries. [marxiv.org](https://arxiv.org/abs/1908.00000)

## GOVERNANCE AND MANAGEMENT PLANS

Garrabou J., **Azzurro E.**, Bensoussan N., Sbragaglia V., Otero M.M., 2019. MPA-Adapt JOINT GOVERNANCE PLAN . 34 pp. [https://biodiversity-protection.interreg-med.eu/fileadmin/user\\_upload/Sites/Biodiversity\\_Protection/Projects/MPA-ADAPT/Library/Deliverables/WP3/20190417\\_Joint\\_Governance\\_Plan\\_MPA-Adapt.pdf](https://biodiversity-protection.interreg-med.eu/fileadmin/user_upload/Sites/Biodiversity_Protection/Projects/MPA-ADAPT/Library/Deliverables/WP3/20190417_Joint_Governance_Plan_MPA-Adapt.pdf)

## HIGHLIGHTED ACHIEVEMENTS

Ideation of innovative monitoring methods for measuring resource and biodiversity changes (*LEK 1* and *LEK 2* protocols) currently adopted at the regional Mediterranean Scale (**11 Mediterranean countries** involved so far; **71 research teams**). Formal endorsements by FAO; CIESM; Interreg Project BALMAS and MPA Adapt, UNEPMAP. Endorsement by GFCM – United Nations (UNEPMAP) *in course of evaluation*.

Garrabou, J., Bensoussan, N., & **Azzurro, E.** (2018). Monitoring Climate-related responses in Mediterranean Marine Protected Areas and beyond: FIVE STANDARD PROTOCOLS. Edited by: Institute of Marine Sciences, Spanish Research Council ICM- CSIC, Passeig Marítim de la Barceloneta 37–49, 08003 Barcelona, Spain. 36 pp. <https://digital.csic.es/handle/10261/176395>

## AWARDS AND MENTIONS

2020\_December\_4<sup>th</sup>. **Winner**, as Coordinator of a research team of four people, of the Hackatlon 2020, **World** challenge, Brest-France. Title of the winning research: *How do invasive species spread: 2020\_OH5\_certificate\_Azzurro.pdf*

2020\_October\_9<sup>th</sup>-11<sup>th</sup>. **Winner**, as Coordinator of a research team of four people, of the Hackatlon 2020, **Italian** challenge, Ancona, Italy. Title of the winning research: *How do invasive species spread: https://www.campusmer.fr/Ocean-Hackathon -Ocean-Hackathon -2020-3567-1307-0-0.html*,

2019 Mentioned as **outstanding scientific production** for the year 2019 by the President of Stazione Zoologica of Naples (March 30<sup>th</sup> 2020). [2020\\_mention\\_Azzurro\\_SZN.pdf](#)

2019 **Top downloaded article** in *Global Change Biology* (Azzurro et al., 2019). [2019\\_Top Downloaded Paper\\_GCB.pdf](#)

In 2011, the paper of Azzurro et al, *Tracking signals of change in Mediterranean fish diversity based on local ecological knowledge*. (Plos One 2011), has been selected and evaluated by the 'Faculty of 1000 (F1000)', which placed the work in their library of the top 2% of published articles in biology and medicine. <http://f1000.com/13308956>. F1000 Factor 6.0 Recommended Evaluated by Di Franco A, Claudet J: 2011. F1000.com/13308956

[2011\\_ F1000.pdf](#)



The screenshot shows the F1000Prime website interface. At the top, there are navigation tabs for FACULTY/1000, F1000Prime, F1000Research, and F1000Posters. The main header features the F1000Prime logo and a search bar with 'Article Recommendations' selected. Below the header, there are links for ARTICLE RECOMMENDATIONS, RANKINGS, F1000PRIME REPORTS, F1000 FACULTY, JOURNAL CLUBS, and BLOG. The main content area displays the title 'Tracking signals of change in Mediterranean fish diversity based on local ecological knowledge.' by Azzurro E, Moschella P, Maynou F. PLoS ONE. 2011; 6:e24885. At the bottom, it states 'Recommended by Joachim Claudet and Antonio Di Franco' and '04 Oct 2011 | Technical Advance'.

January 3<sup>rd</sup> 2021

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali.