

DATOS PERSONALES

Apellidos: **Aguzzi** Nombre: **Jacopo**
 DNI/Pasaporte: **X2708696D** Fecha de nacimiento: **10-03-1972** Sexo: **Masculino**
 Nacionalidad: **Italiana**

Organismo: **Consejo Superior de Investigaciones Científicas (CSIC; www.csic.es)**
 Facultad, Escuela o Instituto: **Instituto de Ciencias del Mar (ICM; www.icm.csic.es)**
 Depto./Unidad: **Recursos Marinos Renovables**
 Dirección postal: **Paseo Marítimo de la Barceloneta, 37-49, 08003. Barcelona**
 País: **España**
 Teléfono (indicar prefijo, número y extensión): **0034-93 230 9500, 0034-605 32 1034**
 Fax: **0034-93 230 9555**
 Correo electrónico: **jaguzzi@icm.csic.es**

Research ID: **D-6574-2012**
 ORCID Code: **0000-0002-1484-8219**
 Especialización (Códigos UNESCO): **35**
 SCOPUS Author ID: **55910971100**

Situación administrativa:

Plantilla *Contratado* *Interino* *Becario*

Dedicación *A tiempo completo*
A tiempo parcial

LÍNEAS DE INVESTIGACIÓN

Breve descripción, por medio de palabras claves, de la especialización y líneas de investigación actuales.

Cronobiología de recursos marinos en términos de regulación comportamental, fisiológica y genética y su relación adaptativa con el entorno. Aplicación de los instrumentos conceptuales estadísticos (i.e., "time-series", "multiivariate" análisis) en uso en la neurociencia del comportamiento y tecnológicos avanzados de la oceanografía operacional (observatorios video-cableados, béticos y multiparametricos) al seguimiento de comunidades costeras y del mar profundo (el "Deep-Sea").

Líneas específicas:

1-Estudio de los ritmos de actividad motora y alimentaria, de fisiología (hormonas, respiración, tasa cardiaca) y moleculares (genes reloj) en relación a: ciclos hábitat (intensidad de luz, corrientes de mareas internas e inerciales), eventos estocásticos (tempestas, actividad sísmica), dinámicas de población (socialidad, tamaño, sexo y estadio del ciclo reproductor) y de comunidad (presencia y ausencia de presas y depredadores).

2-Implementación de los sistemas tecnológicos para la adquisición de datos de comportamiento en laboratorio mediante actigrafía, telemetría, *Radio Frequency Identification (RFID)* y *Automated Video-Imaging*. Implementación de los sistemas de análisis automatizado de videos submarinos obtenidos con plataformas multi-paramétricas avanzadas (*Cabled Marine Observatories* y *Remotely Operated Vehicles, ROVs*), para el tracking y la clasificación de los animales en relación al seguimiento remoto de poblaciones y comunidades. Elaboración de modelos morfológicos de clasificación (*Machine Learning Approaches*) mediante morfometría geométrica (*Elliptic Fourier Analysis-EFA* y *Fourier Descriptors-FD*) y análisis textural (*Scale Invariant Feature Transform-SIFT*).

3-Aplicación de los resultados sobre los ritmos a la gestión integrada de los recursos pesqueros (e.g. la cigala, *Nephrops norvegicus*) en el contexto de sus comunidades, formulando estrategias de muestro con métodos tradicionales y tecnológicamente avanzados, que consideren la relación entre dichos ritmos y los errores potenciales en nuestra percepción de la biodiversidad.

A. FORMACIÓN ACADÉMICA

<i>Titulación Superior</i>	<i>Centro</i>	<i>Fecha</i>
1. Licenciado en Ciencias Biológicas (<i>Cum Laude</i>)	Laboratorio d'Ecologia Sperimentale ed Acquacoltura (LESA). Universidad Tor Vergata, Roma (Italia).	Mayo 1998
2. Diploma Estudios Avanzados (<i>Notable</i>)	Universidad Politécnica de Cataluña (UPC)	Septiembre 2000

<i>Doctorado</i>	<i>Centro</i>	<i>Director/a tesis</i>	<i>Fecha</i>
3. Doctorado Ciencias del Mar (<i>Cum Laude</i>)	Universidad Politécnica de Cataluña (UPC)	Dr. F. Sardà Dr. P. Abelló	Noviembre 2002

B. ACTIVIDADES ANTERIORES DE CARÁCTER CIENTÍFICO

<i>Escala/Puesto desempeñado</i>	<i>Fecha de inicio (d/m/a)</i>	<i>Fecha de finalización (d/m/a)</i>	<i>Total (aa/mm/dd)</i>
A. Becario Predoctoral FPI (MCYT). Instituto de Ciencias del Mar (ICM)	Febrero 01/02/99	Enero 31/01/2003	4 años
B. Research Scholar. Institute Morehouse School of Medicine (MSM)	Noviembre 15/11/2003	Noviembre 15/11/2005	2 años
C. Contrato Laboral de Formación Posdoctoral Programa Juan de la Cierva. Instituto de Ciencias del Mar (ICM)	Diciembre 01/12/2005	Noviembre 30/11/2008	3 años
<i>3 meses de discontinuidad contractual</i>	-	-	
D. Contrato Laboral a Proyecto (por Obra de Servicio). Instituto de Ciencias del Mar (ICM)	Marzo 01/03/2009	Febrero 28/02/2010	1 año
E. Contrato Laboral de Formación Posdoctoral Programa Junta Ayuda al Estudio (JAE- CSIC). Instituto de Ciencias del Mar (ICM)	Abril 01/04/2009	Marzo 31/03/2011	3 años
F. Contrato Laboral por Obra de Servicio Programa Ramón y Cajal. Instituto de Ciencias del Mar (ICM) <u>(Acreditación Programa I3: Evaluación POSITIVA del ANEP del 30-07-2014)</u>	Abril 16/04/2010	Abril 15/04/2015	5 años
G. Contrato Laboral Único Personal de la Admin. Del Estado (Sentencia Laboral) con fecha retroactiva. Instituto de Ciencias del Mar (ICM)	Abril 15/04/2015 con fecha retroactiva a 01/03/2009	Julio 03/07/2018	3 años
H. Científico Titular. Instituto de Ciencias del Mar (ICM)	Julio 04/07/2018	-	-

IDIOMAS (R = REGULAR, B = BIEN, C = CORRECTAMENTE)

<i>Idioma</i>	<i>Habla</i>	<i>Lee</i>	<i>Escribe</i>
Inglés	C	C	C
Francés	C	C	R
Español	C	C	C
Italiano	C	C	C
Catalán	C	C	R

C. PARTICIPACIÓN EN PROYECTOS DE INVESTIGACIÓN NACIONALES E INTERNACIONALES

Submitted

1. An Antarctic Permanent Observatory for long-term studies in the Terranova Bay (IceO).

ENTIDAD FINANCIADORA: Italian Ministry of Education, University and Research (MIUR), National Antarctic Research Program (PRNA)

DURACIÓN: 2018-2020

IP: E. Fanelli (emanuela.fanelli@enea.it)

2. PON NEREA

27. Norway lobster (*Nephrops norvegicus*) population dynamics from automated video-monitoring at SmartBay cabled underwater observatory (SmartLobster).

ENTIDAD FINANCIADORA: European Multidisciplinary Seafloor and water column Observations (EMSO)-LINK Trans National Access (TNA): 5.000 EU

DURACIÓN: 2019-2021

IP: J. Aguzzi (jaguzzi@icm.csic.es)

26. Reservas marinas de interés pesquero como herramienta de gestión para recuperar pesquerías icónicas del Mediterráneo: el caso de la cigala *Nephrops norvegicus*-Recuperación poblaciones de cigala (RESNEP-POP)

ENTIDAD FINANCIADORA: Comisión Interministerial de Ciencia y Tecnología-CICYT (CTM2017-82991-C2-1-R)

DURACIÓN: 2018-2021

IP: J. Navarrrro (joan@icm.csic.es); CO-IP: J.B. Company (batista@icm.csic.es)

25. REdes de Sensores submarinos autónomos y cableados aplicados a la monitorización remota de indicadores BIOLógicos (RESBIO)

ENTIDAD FINANCIADORA: Comisión Interministerial de Ciencia y Tecnología-CICYT (TEC2017-87861-R): 228.690 EU

DURACIÓN: 2018-2021

IP: J. del Rio (joaquin.del.rio@upc.edu); CO-IP: J. Aguzzi (jaguzzi@icm.csic.es)

24. Autonomous robotic sea-floor infrastructure for benthic-pelagic monitoring (ARIM).

ENTIDAD FINANCIADORA: MarTERA ERA-NET CoFound. 75000 EU

DURACIÓN: 2017-2020

IP: O. Godo Rune (olav.rune.godoe@imr.no)

(Dr. J. Aguzzi, Subcontractado en WP on “Automated Video-Imaging” por parte de DesutoSystemas Snc.)

23. Automatic Data and Video Acquisition for uNderwatermonitoring across Coastal obsErvatories (ADVANCE)

ENTIDAD FINANCIADORA: Fixed-Point Open Ocean Observatories network (FixO3) Transational Access (TNA)

DURACIÓN: 2017 - 2020

IP: Dr. S. Marini (Consiglio Nazionale della Ricerca, CNR-ISMAR simone.marini@sp.ismar.cnr.it)

22. Neutrinos-Mer-Environnement (NUMerENV)

ENTIDAD FINANCIADORA: European Community; Programme Operationelle Regional FEDER-FSE/Region Provence Alpes Cote D'Azur. Requested (Program: CPER/FEDER 2015-2020): 8.7 M€

DURACIÓN: 2014-2020

IP: Dr. C. Tamburini, Institut Méditerranéen d'Océanologie, MIO (christian.tamburini@mio.osupytheas.fr)

Colaborador Responsable (Action 4.2, Robot Benthique) por el CSIC: Dr. J. Aguzzi

- 21. Tareas de asesoramiento en políticas de desarrollo científico y reclutamiento de usuarios para el "Ocean Network Canada" (ONC) como "Science Theme Leader" de la Sección "Life in the North-East Pacific".**

ENTIDAD FINANCIADORA: Ocean Network Canada (ONC)

DURACIÓN: 2016- 2019

IP: Dr. K. Juniper Chief Scientist del Ocean Networks Canada, ONC (kjuniper@uvic.ca)

IP por el CSIC: Dr. J. Aguzzi 61.000 \$ anuales (reservados en el ONC para "student research, travel funds, and annual meetings plus workshop").

- 20. Conectividad poblacional en la gamba rosada, *Aristeus antennatus*, en el Mediterráneo noroccidental entre el Golfo de León y el Golfo de Valencia (CONECTA)**

ENTIDAD FINANCIADORA: Comisión Interministerial de Ciencia y Tecnología-CICYT (CTM2014-54648-C2-1-R)

DURACIÓN: 2015 - 2017

IP: Dr. J.B. Company (Instituto de Ciencias del Mar, ICM-CSIC; batista@icm.csic.es)

- 19. Analysis of FISH community structure and trophic relationship by AUTomated video imaging at a coastal cabled observatory (FISHAUT)**

ENTIDAD FINANCIADORA: Fixed-Point Open Ocean Observatories network (FixO3) Transational Access (TNA)

DURACIÓN: 2015 - 2017

IP: Dr. E. Fanelli (Ente Nazionale Energie Alternative, ENEA; emanuela.fanelli@enea.it)

- 18. Behavioural rhythms of tubeworms at Main Endeavour vent field in the North-East Pacific**

ENTIDAD FINANCIADORA: IFREMER (Labex Grant)

DURACIÓN: 2012 - 2014

IP: Dr. D. Cuvelier (L'Institut Français de Recherche pour l'Exploitation de la Mer, IFREMER; Daphne.Cuvelier@ifremer.fr)

- 17. Ritmos fisiológicos e influencia del hábitat en crustáceos marinos profundos (RITFIM)**

ENTIDAD FINANCIADORA: Comisión Interministerial de Ciencia y Tecnología-CICYT (CTM2010-16274)

DURACIÓN: 2011 - 2014

IP: Dr. J. Aguzzi (ICM-CSIC) 169.000 €

- 16. Cañones y taludes profundos en los mares Mediterráneo y Cantábrico: desde la sincronía entre forzamientos externos a los recursos vivos (BIOMED-DOS MARES)**

ENTIDAD FINANCIADORA: Comisión Interministerial de Ciencia y Tecnología-CICYT (CTM2010-21810-C03-03/MAR)

DURACIÓN: 2010 - 2013

IP: Dr. J.B. Company (Instituto de Ciencias del Mar, ICM-CSIC; batista@icm.csic.es)

- 15. Retes de sensores submarinos acústicos aplicados al seguimiento de especies de interés comercial (RESBAC)**
ENTIDAD FINANCIADORA: Ministerio de Ciencia e Innovación-MICNN (TRA2009_0294; 2009-2011)
DURACIÓN: 2009 - 2011
IP: Prof. A. Manuel Lázaro (Centro de Desarrollo Tecnológico de Sistemas de Adquisición Remota y Tratamiento de la Información, SARTI-UPC; amanuel@upc.edu)
- 14. Studio e prime applicazioni di nuove metodologie biofotoniche nell'agroalimentare, biologia e ambiente (HIGHVISION)**
ENTIDAD FINANCIADORA: Ministero delle Politiche Agricole e Forestali-MIPAF; (Decreto Ministeriale 19177-7303-08 del 19/12/2008)
DURACIÓN: 2009 - 2010
IP: Dr. P. Menesatti (Consiglio di Ricerca Agraria, CRA; paolo.menesatti@entecra.it);
 IP por el CSIC (Convenio CRA/CSIC, Protocolo no. 1793 del 14 de Junio de 2010): Dr. J. Aguzzi 5.000 €
- 13. Evaluation of biodiversity impacts in the Lagoon of Venice**
ENTIDAD FINANCIADORA: Administración Regional del Veneto
DURACIÓN: 2008
IP: Dr. L. Marotta, Administrador and R&D Head Entropía Snc. (leonardo.marotta@entropia-env.it.)
- 12. Recovering and restoration of the River Conca mouth and Le Navi beach**
ENTIDAD FINANCIADORA: Administración Regional Emilia Romagna (Esquema Integrated Coastal Zone Management-ICZM)
DURACIÓN: 2007
IP: Dr. L. Marotta, Administrador and R&D Head Entropía Snc.
- 11. Analisi degli effetti di condizioni climatiche critiche sugli animali di allevamento: caratterizzazione del territorio nazionale in funzione di indici bioclimatici e sviluppo di modelli gestionali sensibili alle variazioni meteorologiche (CLIMANIMAL)**
ENTIDAD FINANCIADORA: Ministero delle Politiche Agricole e Forestali-MIPAF (Decreto Ministeriale 306/7303/06 del 05/12/2006)
DURACIÓN: 2008 - 2009
IP: Dr. P. Menesatti (Consiglio di Ricerca Agraria, CRA)
- 10. Sperimentazione e istruzione tra i banchi di scuola: Promozione e sviluppo della cultura della pesca (PESCA-FVG)**
ENTIDAD FINANCIADORA: Administración Regional Friuli Venezia Giulia (Doc. Pesca 2000/2006 P.O.R. 2004/2006 – Misura 4.3 Promozione. Decreto di approvazione 2212 del 10 agosto 2007)
DURACIÓN: 2008
IP: Dr. P. Menesatti (Consiglio di Ricerca Agraria, CRA)
- 9. Valutazione e standardizzazione di una filiera carne dall'allevamento alla distribuzione (STANDBEEF)**
ENTIDAD FINANCIADORA: Ministero delle Politiche Agricole e Forestali MIPAF (Decreto Ministeriale 489-7303-04 del 17/11/2004)
DURACIÓN: 2005 - 2009
IP: Dr. P. Menesatti (Consiglio di Ricerca Agraria, CRA)

8. **Ricerche e sperimentazioni nel settore dell'agrumicoltura italiana: Sviluppo di metodiche strumentali speditive per la valutazione non distruttiva della consistenza dei frutti di agrume e sperimentazione di tecnologie innovative di conservazione (RAVAGRU)**
ENTIDAD FINANCIADORA: Coordinamento tra Consiglio per la Ricerca Agraria-CRA, Centro di Ricerca per l'Agrumicoltura e Colture Mediterranee-ACM
DURACIÓN: 2007 - 2009
IP: Dr. P. Menesatti (Consiglio di Ricerca Agraria, CRA)
7. **Biodiversity and ecosystem functioning in contrasting southern European deep-sea environments (BIOFUN)**
ENTIDAD FINANCIADORA: EuroDEEP program; European Science Foundations (ESF) Eurocores, Acción Complementaria (MYCIT; CTM 2007/28739-E/MAR) (Proyecto afiliado al European Census of Marine Life)
DURACIÓN: 2007 - 2010
IP: Dr. F. Sardà (Instituto de Ciencias del Mar, ICM-CSIC; siscu@icm.csic.es)
6. **Estudio Integrado de Cañones y taludes profundos del Mediterráneo Occidental: un hábitat esencial (PROMETEO)**
ENTIDAD FINANCIADORA: Comisión Interministerial de Ciencia y Tecnología-CICYT (CTM2007-66316-C02/MAR)
DURACIÓN: 2007 - 2010
IP: Dr. J.B. Company (Instituto de Ciencias del Mar, ICM-CSIC; batista@icm.csic.es)
5. **Incidencia de los ritmos de emergencia de actividad de la cigala (*Nephrops norvegicus* L.) en la evaluación de sus poblaciones (NORIT)**
ENTIDAD FINANCIADORA: Comisión Interministerial de Ciencia y Tecnología-CICYT (CTM 2005/02034)
DURACIÓN: 2006 - 2009
IP: Dr. F. Sardà (Instituto de Ciencias del Mar, ICM-CSIC)
4. ***Nephrops* and cetacean species selectivity, information and technology (NECESSITY)**
ENTIDAD FINANCIADORA: Comunidad Europea, Sexto Programa Marco (FP6-2002-SSP/STREP. nº 501605)
DURACIÓN: 2004 - 2007
IP: Dr. F. Sardà (Instituto de Ciencias del Mar, ICM-CSIC)
3. **Preventing desynchronization in long term space flight**
ENTIDAD FINANCIADORA: National Cooperative Consortium agreement (NCC 9-58) between National Aeronautics Space Administration-NASA and the National Space Biomedical Research Institute-NSBRI
DURACIÓN: 2004 - 2005
IP: Prof. G. Tosini (Morehouse School of Medicine, MSM-NSBRI; tosini@msm.edu)
2. **Photic and Circadian Regulation of Retinal Melatonin.**
ENTIDAD FINANCIADORA: National Institute of Health-NIH (RO1 NS 43459)
DURACIÓN: 2003 - 2004
IP: Prof. G. Tosini (Morehouse School of Medicine, MSM-NSBRI)
1. **Influencia del comportamiento rítmico de la cigala (*Nephrops norvegicus* L.) sobre su capturabilidad por parte de la pesquería de arrastre en el Mediterráneo occidental (NERIT).**
ENTIDAD FINANCIADORA: Comisión Interministerial de Ciencia y Tecnología-CICYT (MAR/98/0935)

DURACIÓN: 1999 - 2001

IP: Dr. F. Sardà (Instituto de Ciencias del Mar, ICM-CSIC)

**D. TRABAJOS CIENTÍFICOS ORIGINALES EN REVISTAS DEL
Science Citation Index (SCI)**

H-Índex 27 (2853 citas) in SCOPUS

108. SABRAGAGLIA V., DOMINONI D. NUÑEZ J.D., COCO S., FANELLI E., AZZURO E., MARINI S., NOGUERAS M., PONTI M., DEL RÍO J., **AGUZZI J.** 2018. Annual rhythms of temporal niche partitioning in the Sparidae family are driven by different environmental cues. Scientific Report (ref.: SREP-18-19186).
IF 4.12 Q1 (Multidisciplinary Sciences)
107. MARINI S., FANELLI E., SBRAGAGLIA V., AZZURRO E., DEL RIO J., **AGUZZI J.** 2018. Tracking fish abundance by underwater image recognition. Sci. Rep. In Press.
IF 4.12 Q1 (Multidisciplinary Sciences)
DOI: 10.1038/s41598-018-32089-8
106. MASMITJA I., GOMARIZ S., DEL RIO J., KIEFT B., O'RELLY T., BOUVET P.J., **AGUZZI J.** 2018. Optimal path shape for range-only underwater target localization using a Wave Glider. Int. J. Robotics Res. In Press.
IF 4.05 Q1 (Robotics and Automation Control)
DOI: doi.org/10.1177/0278364918802351
105. **AGUZZI J.**, FANELLI E., CIUFFARDI T., SCHIRONE A., DE LEO F.C., DOYA C., KAWATO M., MIYAZAKI M., FURUSHIMA Y., COSTA C., FUJIWARA Y. 2018. Faunal activity rhythms influencing early community succession of an implanted whale carcass offshore in Sagami Bay, Japan. Sci. Rep., 8: 11163.
IF 4.12 Q1 (Multidisciplinary Sciences)
DOI: 10.1038/s41598-018-29431-5
104. GARCÍA J.A., SBRAGAGLIA V., MASIP D., **AGUZZI J.** 2016. Long-term video tracking of daily locomotor activity in a group of cohoused lobsters: A case study with the Norway lobster (*Nephrops norvegicus*). J. Visual. Exp. (JoVE). Accepted.
IF 1.19 Q2 (Multidisciplinary Sciences)
DOI:
103. MARINI S., CORGNATI L., MANOTOVANI C., BASTIANINI M., OTTAVIANI E., FANELLI E., **AGUZZI J.**, GRIFFA A., POULAIN P.M. 2018. Automated estimate of fish abundance through the autonomous imaging device GUARD1. Measurement, 126: 72-75.
IF 2.22 Q2 (Instruments and Instrumentation)
DOI: <https://doi.org/10.1016/j.measurement.2018.05.035>
102. MASMITJIA I, GALARZA C., GONZALEZ J., GOMARIZ S., **AGUZZI J.**, DEL RIO J., 2018. New vectorial propulsion system and trajectory control designs for improved AUV mission autonomy. Sensors-Basel, 18: 241.
IF 2.48 Q2 (Instruments and Instrumentation)
DOI: 10.3390/s18041241
101. SBRAGAGLIA V., LEIVA D., ARIAS A., GARCÍA J.A., **AGUZZI J.**, BREITHAUPT T. 2018. Fighting over burrows: Rank related benefits during emergence of dominance hierarchies in the Norway lobster (*Nephrops norvegicus*). J. Exp. Biol., 220: 4624-4633.
IF 3.18 Q1 (Biological Sciences)
DOI: 10.1242/jeb.165969

100. ROTLLANT G., NGUYEN T.V., SBRAGAGLIA V., RAHI L., DUDLEY K., HURWOOD D., VENTURA T., COMPANY J.B., CHAND V., **AGUZZI J.**, MATHER P.B. 2017. Sex and tissue specific gene expression patterns identified following de novo transcriptomic analysis of the Norway lobster, *Nephrops norvegicus*. BMC Genomics, 18: 622.
IF 3.87 Q1 (Molecular Biology and Genetics)
 DOI: 0.1186/s12864-017-3981-2
99. THOMSEN L., **AGUZZI J.**, COSTA C., DE LEO F., OGSTON A., PURSER A. 2017. The oceanic biological pump: Rapid carbon transfer to the Deep Sea during winter. Sci. Rep., 7: 10763
IF 5.23 Q1 (Multidisciplinary Sciences)
 DOI:10.1038/s41598-017-11075-6
98. DOYA C., CHATZIEVANGELOU D., BAHAMON N., PURSER A., DE LEO F., JUNIPER K., THOMSEN L., **AGUZZI J.** 2017. Seasonal monitoring of deep-sea cold-seep benthic communities using an Internet Operated Vehicle (IOV). PLoS ONE, 12(5): e0176917.
IF 3.06 Q1 (Multidisciplinary Sciences)
 DOI: <https://doi.org/10.1371/journal.pone.0176917>
97. AUDREY M.M., DUNSTER G.P., SBRAGAGLIA V., **AGUZZI J.**, DE LA IGLESIA H.O. 2017. Influence of temperature on circadian locomotor activity in the crab *Uca pugilator*. PLoS ONE, 12(4): e0175403.
IF 3.06 Q1 (Multidisciplinary Sciences)
 DOI: <https://doi.org/10.1371/journal.pone.0175403>
96. MECO A., **AGUZZI J.**, DE MOL B., LASTRAS G., RAMIREZ-LLODRA E., BAHAMON N., COMPANY J.B., CANALS M. 2017. Visual faunistic exploration of geomorphological human-impacted deep-sea areas of the north-western Mediterranean Sea. J. Mar. Biol. Ass. UK., 98: 1241-1252.
IF 1.40 Q3 (Marine and Freshwater Biology)
 DOI: 10.1017/S0025315417000431
95. **AGUZZI J.**, FANELLI E., CIUFFARDI T., SCHIRONE A., CRAIG G., and the NEMO Consortium. 2017. Inertial bioluminescence rhythms at the Central Mediterranean KM3NeT deep-sea neutrino telescope. Sci. Rep., 7: 44938
IF 5.23 Q1 (Multidisciplinary Sciences)
 DOI: 10.1038/srep44938
94. DANOVARO R., **AGUZZI J.**, FANELLI E., BILLET D. GJERDE K., JAMIESON A., RAMIREZ-LLODRA E, SMITH C.R., SNELGROVE P.V.R., THOMSEN L., VAN DOVER C. 2017. A new international ecosystem-based strategy for the global deep ocean. Science, 355: 452-454.
IF 34.67 Q1 (Multidisciplinary Sciences)
 DOI: 10.1126/science.aah7178
93. MATABOS M., HOEBERECHTS M., DOYA C., **AGUZZI J.**, NEPHIN J., REIMCHEN T. E., LEAVER S., MARX R., BRANZAN ALBUW A., FIER, R., FERNANDEZ-ARCAYA U., JUNIPER S.K. 2017. Expert, Crowd, Students or Computer: who holds the key to deep-sea imagery ‘big data’ processing? Met. Ecol. Evol., 8: 996-1004.
IF 6.34 Q1 (Ecology)
 DOI: 10.1111/2041-210X.12746

92. FERNANDEZ-ARCAYA, U., RAMIREZ-LLODRA E., **AGUZZI J.**, ALLCOCK A.L., DAVIES J.S., DISSANAYAKE A., HARRIS P., HOWELL K., HUVENNE, V.A.I., ISMAIL K., MACMILLAN-LAWLER M., MARTÍN J., MENOT L., NIZINSKI M., PUIG P., ROWDEN A., SANCHEZ F., STEWARD H.A., VAN DEN BELD I. 2017. Ecological role of submarine canyons and need for canyon conservation: a review. *Front. Mar. Sci.* 31.
(WEB: <http://journal.frontiersin.org/article/10.3389/fmars.2017.00005/full>)
IF To be attributed
DOI: <https://doi.org/10.3389/fmars.2017.00005>
91. CHATZIEVANGELOU D., DOYA C., MIHÁLY S., SASTRI A.R., THOMSEN L., **AGUZZI J.** 2016. High-frequency patterns in the abundance of benthic species near a cold-seep: An Internet Operated Vehicle application. *PLoS ONE* 11(10): e0163808.
IF 3.06 Q1 (Multidisciplinary Sciences)
DOI: [10.1371/journal.pone.0163808](https://doi.org/10.1371/journal.pone.0163808)
90. NUÑEZ J.D., SBRAGAGLIA V., GARCÍA J.A., COMPANY J.B., **AGUZZI J.** 2016. First laboratory insight on the behavioral rhythms of the bathyal crab *Geryon longipes*. *Deep-Sea Research I*, 116: 165-173.
IF 2.69 Q1 (Oceanography)
DOI: [10.1016/j.dsr.2016.08.007](https://doi.org/10.1016/j.dsr.2016.08.007)
89. AYMÀ A., **AGUZZI J.**, CANALS M., LASTRAS G., BAHAMÓN N., MECHÓ A., J.B. COMPANY. 2015. Behavioural observations of deep-water fauna in submarine canyons of the Northwestern Mediterranean Sea. *Deep-Sea Research I*, 114: 149-159.
IF 2.83 Q1 (Oceanography)
DOI: <http://dx.doi.org/10.1016/j.dsr.2016.05.013>
88. SBRAGAGLIA V., LAMANNA F., MAT A.M., ROTTLANT G., JOLY V., KETMAIER V., DE LA IGLESIA H. **AGUZZI J.**, 2015. Identification, characterization, and diel pattern of expression of canonical Clock genes in *Nephrops norvegicus* (Crustacea: Decapoda) eyestalk. *PLoS ONE*, 10 (11): e0141893.
IF 3.23 Q1 (Multidisciplinary sciences)
DOI: [doi:10.1371/journal.pone.0141893](https://doi.org/10.1371/journal.pone.0141893)
87. DOYA C., **AGUZZI J.**, CHATZIEVANGELOU D., COSTA C., COMPANY J.B., TUNNICLIFFE V. 2015. The seasonal use of small-scale space by benthic species in a transiently hypoxic area. *Journal of Marine Systems*, 154: 280-290.
IF 2.50 Q1 (Marine and Freshwater Biology)
DOI: [10.1016/j.jmarsys.2015.09.005](https://doi.org/10.1016/j.jmarsys.2015.09.005)
86. SBRAGAGLIA V., GARCÍA J.A., CHIESA J.J., **AGUZZI J.** 2015. The effect of simulated tidal currents on burrow emergence rhythms of the Norway lobster (*Nephrops norvegicus*, L.). *Marine Biology*, 162: 2007-2016.
IF 2.39 Q1 (Marine and Freshwater Biology)
DOI: [10.007/s00227-015-2726-5](https://doi.org/10.007/s00227-015-2726-5)
85. CRAIG J., PRIEDE I., **AGUZZI J.**, COMPANY J.B., JAMIESON A. 2015. Abundant bioluminescent sources of low-light intensity in the deep Mediterranean Sea and North Atlantic Ocean. *Marine Biology*, 162: 1637-1649.
IF 2.39 Q1 (Marine and Freshwater Biology)
DOI: [10.007/s00227-015-2700-2](https://doi.org/10.007/s00227-015-2700-2)

84. SARRIÁ D., SBRAGAGLIA V., GOMÁRIZ S., GARCÍA J.A., ARTERO C., **AGUZZI J.**, SARDÀ F., MÀNUEL A. 2015. Light and current generation system for measuring the behaviour of the Norway lobster. *Measurement*, 69: 180-188.
IF 1.48 Q2 (Engineering, Multidisciplinary)
 DOI: <http://dx.doi.org/10.1016/j.measurement.2015.03.002>
83. **AGUZZI J.**, DOYA C., TECCHIO S., DE LEO F.L., AZZURRO E., COSTA C., SBRAGAGLIA V., DEL RÍO J., NAVARRO J., RUHL H.A., COMPANY J.B, FAVALI P., PURSER A., THOMSEN L., CATALÁN I.A. 2015. Coastal observatories for monitoring of fish behaviour and their responses to environmental changes. *Reviews in Fish Biology and Fisheries*, 25: 463-483.
IF 2.56 Q1 (Fisheries)
 DOI: 10.1007/s11160-015-9387-9
82. BUSTOS-SALVADOR F., FERNADEZ-ARCAYA U., RAMIREZ-LLODRA E., **AGUZZI J.**, RECASENS L., ROTTLLANT G., COMPANY J.B. 2015. Reproductive biology of NW Mediterranean tonguefish *Symphurus nigrescens* and *Symphurus ligulatus*. *Journal of the Marine Biological Association of the United Kingdom*, 95: 1041-1049.
IF 1.13 Q3 (Marine and Freshwater Biology)
 DOI: 10.1017/S002531541500003X
81. ALBO-PUIGSERVER M., NAVARRO J., COLL M., **AGUZZI J.**, CARDONA L., SÁEZ-LIANTE R. 2015. Feeding ecology and trophic position of three sympatric demersal chondrichthyans in the Northwestern Mediterranean. *Marine Ecology Progress Series*, 524: 255-268.
IF 2.64 Q1 (Marine and Freshwater Biology)
 DOI: 10.3354/meps11188
80. MECHO A., FERNANDEZ-ARCAYA U., RAMIREZ-LLODRA E., **AGUZZI J.**, COMPANY J.B. 2015. Reproductive biology of the deep-sea asteroid *Ceramaster grenadensis* (Perrier, 1881) from the north-western Mediterranean Sea. *Journal of Marine Biological Association of U.K.* 95: 805-815.
IF 1.13 Q3 (Marine and Freshwater Biology)
 DOI: <http://dx.doi.org/10.1017/S0025315415000065>
79. CAPCCIONI F., COSTA C., CANALI E., **AGUZZI J.**, ANTONUCCI F., RAGONESE S., BIANCHINI M.L., 2014. The potential reproductive contribution of Mediterranean migrating eels to the *Anguilla anguilla* stock. *Scientific Reports (Nature Publishing Group)* 4: 7188
IF 5.08 Q1 (Multidisciplinary Sciences)
 DOI: [doi:10.1038/srep07188](http://dx.doi.org/10.1038/srep07188)
78. **AGUZZI J.**, SBRAGAGLIA V., TECCHIO S., NAVARRO J., COMPANY J.B. 2015. Rhythmic behaviour of marine benthopelagic species and the synchronous dynamics of benthic communities. *Deep-Sea Research I* 95: 1-11.
IF 2.83 Q1 (Oceanography)
 DOI: 10.1016/j.dsr.2014.10.003
77. ROTTLLANT G., **AGUZZI J.**, SARRIA D., GISBERT E., SBRAGAGLIA V., DEL RÍO J., SIMEÓ C.G., MÀNUEL A., MOLINO E., COSTA C., SARDÀ F. 2014. Pilot acoustic tracking study on adult spiny lobsters (*Palinurus mauritanicus*) and spider crabs (*Maja squinado*) within an artificial reef. *Hydrobiologia* 742: 27-38.
IF 2.21 Q2 (Marine and Freshwater Biology)
 DOI: 10.1007/s10750-014-1959-5

76. MECHO A., BILLET D.S.M., RAMÍREZ-LLODRA E., **AGUZZI J.**, TYLER P.A., COMPANY J.B. 2014. First records, rediscovery and revision of deep-sea echinoderms in the middle and lower-slopes of the north-western Mediterranean Sea. *Scientia Marina* 78(2): 281-302
IF 1.25 Q2 (Marine and Freshwater Biology)
 DOI: <http://dx.doi.org/10.3989/scimar.03983.30C>
75. ROTLLANT G., COMPANY J.B., ALVAREZ-FERNANDEZ I., GARCÍA J.A., **AGUZZI J.**, DUFORT M. 2013. The effects of seasonal variations on the nutritional condition of *Nephrops norvegicus* (Astacidea: Nephropidae) from western Mediterranean wild populations. *Journal of the Marine Biological Association of the United Kingdom* 94(4): 763-773
IF 1.02 Q3 (Marine and Freshwater Biology)
 DOI: 10.1017/S0025315414000022
74. COSTA C., NEGRETTI P., VANDEPUTTE M., PALLOTTINO F., ANTONUCCI F., **AGUZZI J.**, BIANCONI G., MENESATTI P. 2014. Innovative automated landmark detection for food processing: the backwarping approach. *Food and Bioprocess Technology* 7: 2291-2298
IF 4.12 Q1 (Food Science and Technology)
 DOI: 10.1007/s11947-013-1227-0
73. DEL RÍO J., **AGUZZI J.**, COSTA C., MENESATTI P., SBRAGAGLIA V., NOGUERAS M., SARDÀ F., MANUËL A. 2014. New colorimetrically-calibrated automated video-imaging protocol for the day-night fish counting at the OBSEA coastal cabled observatory. *Sensors-Basel* 13: 14740-14753
IF 1.95 Q1 (Instruments and Instrumentation)
 DOI: 10.3390/s131114740
72. SBRAGAGLIA V., **AGUZZI J.**, GARCÍA J.A., CHIESA J.J., ANGELINI C., SARDÀ F. 2014. Dusk but not dawn burrow emergence rhythms of *Nephrops norvegicus* (Crustacea: Decapoda). *Scientia Marina* 77(4): 641-647
IF 1.17 Q2 (Marine and Freshwater Biology)
 DOI: 10.3989/scimar.03902.28C
71. MECHO A., **AGUZZI J.**, COMPANY J.B., CANALS M., LASTRAS G., TURON X. 2014. First visual observation of the deep-sea carnivore ascidian *Dicopia antirrhinum* Monniot C., 1972 in the Western Mediterranean. *Deep-Sea Research I* 83: 51-56
IF 2.81 Q1 (Oceanography)
 DOI: 10.1016/j.dsr.2013.09.007
70. **AGUZZI J.**, SBRAGAGLIA V., SANTAMARÍA G., DEL RÍO J., SARDÀ F., NOGUERAS M., MANUEL A. 2013. Daily activity rhythms in temperate coastal fishes: insights from cabled observatory video monitoring. *Marine Ecology Progress Series* 486: 223-236
IF 2.55 Q1 (Marine and Freshwater Biology)
 DOI: 10.3354/meps10399
69. SBRAGAGLIA V., **AGUZZI J.**, GARCÍA J.A., SARRIÁ D., GOMMARIZ S., COSTA C., MENESATTI P., VILARÓ M., MANUEL A., SARDÀ F. 2013. An automated multi-flume actograph for the study of behavioral rhythms of burrowing organisms. *Journal of Experimental Marine Biology Ecology* 446: 177-185
IF 2.26 Q2 (Marine and Freshwater Biology)
 DOI: 10.1016/j.jembe.2013.05.018

68. MATABOS M., BUI A.O., MIHÁLY S., **AGUZZI J.**, JUNIPER D.S.K., AJAYAMOHAN R.S. 2014. High-frequency study of benthic megafaunal community dynamics in Barkley canyon: a multidisciplinary approach using the NEPTUNE Canada network. *Journal of Marine Systems* 130: 56-68
IF 2.67 Q1 (Marine and Freshwater Biology)
DOI: 10.1016/j.jmarsys.2013.05.002
67. DOYA C., **AGUZZI J.**, PARDO M., MATABOS M., COMPANY J.B., COSTA C., MILHALY S. 2014. Diel behavioral rhythms in the sablefish (*Anoplopoma fimbria*) and other benthic species, as recorded by deep-sea cabled observatories in Barkley canyon (NEPTUNE-Canada). *Journal of Marine Systems* 130: 69-78
IF 2.67 Q1 (Marine and Freshwater Biology)
DOI: 10.1016/j.jmarsys.2013.04.003
66. FERNANDEZ-ARCAYA U., ROTLLANT G., RAMIREZ-LLODRA E., RECASENS L., **AGUZZI J.**, FLEXAS M.M., SANCHEZ-VIDAL A., LOPEZ-FERNANDEZ P., GARCÍA J.A., COMPANY J.B. 2013. Reproductive biology and recruitment of the deep-sea fish community from the NW Mediterranean continental margin. *Progress in Oceanography* 118: 222-234
IF 3.71 Q1 (Oceanography)
DOI: 10.1016/j.pocean.2013.07.019
65. **AGUZZI J.**, COSTA C., KETMAIER V., ANGELINI C., ANTONUCCI F., MENESATTI P., COMPANY J.B. 2013. Light-dependent genetic and phenotypic differences in the squat lobster *Munida tenuimana* (Crustacea: Decapoda) along deep continental margins. *Progress in Oceanography* 118: 199-209
IF 3.71 Q1 (Oceanography)
DOI: <https://doi.org/10.1016/j.pocean.2013.07.011>
64. **AGUZZI J.**, COMPANY J.B., BAHAMON N., FLEXAS M.M., TECCHIO S., FERNANDEZ-ARCAYA U., GARCÍA J.A., MECHÓ A., KOENIG S., CANALS M. 2013. Seasonal bathymetric migrations of deep-sea fishes and decapod crustaceans in the NW Mediterranean Sea. *Progress in Oceanography* 118: 210-221
IF 3.71 Q1 (Oceanography)
DOI: 0.1016/j.pocean.2013.07.025
63. TECCHIO S., RAMÍREZ-LLODRA E., **AGUZZI J.**, FLEXAS M.M., COMPANY J.B., SARDÀ F. 2013. Seasonal fluctuations of deep megabenthos: Finding evidence of standing stock accumulation in a flux-rich continental slope. *Progress in Oceanography* 118: 188-198
IF 3.71 Q1 (Oceanography)
DOI: 10.1016/j.pocean.2013.07.015
62. KATHO E., SBAGAGLIA V., **AGUZZI J.**, BREITHAUPT T., 2013. Sensory biology and behaviour of *Nephrops norvegicus*. *Advances in Marine Biology* 64: 66-106
IF 2.05 Q2 (Marine and Freshwater Biology)
DOI: 10.1016/B978-0-12-410466-2.00003-0
61. NAVARRO J., VOTIER S.C., **AGUZZI J.**, CHIESA J.J., FORERO M.G., PHILLIPS R.A. 2013. Ecological segregation in space, time and trophic niche of sympatric planktivorous petrels. *PLoS ONE*, 8(4): e62897
IF 3.73 Q1 (Biology)
DOI: 10.1371/journal.pone.0062897

60. CONDAL F., **AGUZZI J.**, SARDÀ F., NOGUERAS M., CADENA J., COSAT C., DEL RÍO J. MÀNUEL A., 2013. Seasonal rhythm in a Mediterranean coastal fish community as monitored by a cabled observatory. *Marine Biology* 159: 2809-2817
IF 2.47 Q1 (Marine and Freshwater Biology)
 DOI: 10.1007/s00227-012-2041-3
- *59. MENESATTI P., ANGELINI A., PALLOTTINO P., ANTONUCCI A., **AGUZZI J.**, COSTA C. 2012. RGB color calibration for quantitative image analysis: the “3D Thin-Plate Spline” warping approach. *Sensors-Basel* 12: 7063-7079
IF 1.95 Q1 (Instruments and Instrumentation)
 DOI: 0.3390/s120607063
58. COSTA C., ANTONUCCI F., PALLOTTINO F., **AGUZZI J.**, SARRIÀ D., MENESATTI P. 2013. A review on agri-food supply chain traceability by means of RFID technology. *Food and Bioprocess Technology* 6: 353-366
IF 4.12 Q1 (Food Science and Technology)
 DOI: 10.1007/s11947-012-0958-7
57. AZZURRO E., **AGUZZI J.**, MAYNOU F., CHIESA J.J., SAVINI D. 2013. Diel rhythms in shallow Mediterranean rocky-reef fishes: A chronobiological approach with the help of trained volunteers. *Journal of the Marine Biological Association of the United Kingdom* 93: 461-470
IF 1.02 Q3 (Marine and Freshwater Biology)
 DOI: 10.1017/s0025315412001166
56. **AGUZZI J.**, JAMIESON A.J., FUJII T., SBRAGAGLIA V., COSTA C., MENESATTI P., FUJIWARA Y. 2012. Shifting feeding behaviour of deep-sea buccinid gastropods at natural and simulated food falls. *Marine Ecology Progress Series* 458: 247-253
IF 2.55 Q1 (Marine and Freshwater Biology)
 DOI: 10.3354/meps09758
55. **AGUZZI J.**, COSTA C., ROBERT K., MATABOS M., ANTONUCCI F., JUNIPER K., MENESATTI P. 2011. Automated image analysis for the detection of benthic crustaceans and bacterial mat coverage using the VENUS undersea cabled network. *Sensors-Basel* 11: 10534-10556
IF 1.78 Q1 (Instruments and Instrumentation)
 DOI: 10.3390/s111110534
54. SARDÀ F., **AGUZZI J.** 2012. A review of burrow counting as an alternative to other typical methods of assessment of Norway lobster populations. *Reviews in Fish Biology and Fisheries* 22: 409-422
IF 2.5 Q1 (Fisheries)
 DOI: 10.1007/s11160-011-9242-6
53. **AGUZZI J.**, COMPANY J.B., COSTA C., MATABOS M., AZZURRO E., MÀNUEL A., MENESATTI P., SARDÀ F., CANALS M., DELORY E., CLINE D., FAVALI P., JUNIPER S.K., FURUSHIMA Y., FUJIWARA Y., CHIESA J.J., MAROTTA L., PRIEDE I.M. 2012. Challenges to assessment of benthic populations and biodiversity as a result of rhythmic behaviour: video solutions from cabled observatories. *Oceanography and Marine Biology: An Annual Review (OMBAR)* 50: 235-286
IF 6.91 Q1 (Marine and Freshwater Biology)
 DOI: 10.1201/b12157-6

52. BAHAMON N., **AGUZZI J.**, BERNARDELLO R., AHUMADA M.-A., PUIGDEFABREGAS J., MUÑOZ E., VELÁSQUEZ Z., CRUZADO A. 2011. The new pelagic Operational Observatory of the Catalan Sea (OOCs) for the multisensor coordinated measurement of atmospheric and oceanographic conditions. *Sensors-Basel* 11: 11251-11272
IF 1.78 Q1 (Instruments and Instrumentation)
DOI: 10.3390/s111211251
51. **AGUZZI J.**, SBRAGAGLIA V., SARRIÁ D., GARCÍA J.A., COSTA C., DEL RÍO J., MÀNUEL A., MENESTTI P., SARDÀ F. 2011. A new laboratory radio frequency identification (rfid) system for behavioural tracking of marine organisms. *Sensors-Basel* 11: 9532-9548
IF 1.78 Q1 (Instruments and Instrumentation)
DOI: 10.3390/s111009532
50. COSTA C., ANTONUCCI F., PALLOTTINO F., **AGUZZI J.**, SUN D.-W., MENESATTI P. 2011. Shape analysis of agricultural products: A review of recent research advances and potential application to computer vision. *Food and Bioprocess Technology* 4: 673-692
IF 3.70 Q1 (Food Science and Technology)
DOI: 10.1007/s11947-011-0556-0
49. **AGUZZI J.**, MANUÉL A., CONDAL F., GUILLÉN J., NOGUERAS M., DEL RÍO J., COSTA C., MENESATTI P., PUIG P., SARDÀ F., TOMA D., PALANQUES A. 2011. The new SEAfloor OBservatory (OBSEA) for remote and long-term coastal ecosystem monitoring. *Sensors-Basel* 11: 5850-5872
IF 1.78 Q1 (Instruments and Instrumentation)
DOI: 10.3390/s110605850
48. MATABOS M., **AGUZZI J.**, ROBERT K., COSTA C., MENESATTI P., COMPANY J.B., JUNIPER K. 2011. Multi-parametric study of behavioural modulation in demersal decapods at the VENUS cabled observatory in Saanich Inlet, British Columbia, Canada. *Journal of Experimental Marine Biology and Ecology* 401: 89-96
IF 1.86 Q2 (Marine and Freshwater Biology)
DOI: 10.1016/j.jembe.2011.02.041
47. **AGUZZI J.**, COMPANY J.B., COSTA C., MENESATTI P., GARCIA J.A., BAHAMON N., PUIG P., SARDÀ F. 2011. Activity rhythms in the deep-sea: a chronobiological approach. *Frontiers in Bioscience-Landmark* 16: 131-150
IF 3.52 Q2 (Biochemistry and Molecular Biology)
DOI: 10.2741/3680
46. CAPOCCIONI F., COSTA C., **AGUZZI J.**, MENESATTI P., LOMBARTE A., CICCOTTI E. 2010. Ontogenetic and environmental effects on otolith shape variability in three Mediterranean European eel (*Anguilla anguilla*, L.) local stocks. *Journal of Experimental Marine Biology and Ecology* 397: 1-7
IF 1.91 Q2 (Marine and Freshwater Biology)
DOI: 10.1016/j.jembe.2010.11.011
45. **AGUZZI J.**, COSTA C., FURUSHIMA Y., CHIESA J.J., COMPANY J.B., MENESATTI P., IWASE R., FUJIWARA Y. 2010. Behavioral rhythms of hydrocarbon seep fauna in relation to internal tides. *Marine Ecology Progress Series* 418: 47-56
IF 2.50 Q1 (Marine and Freshwater Biology)
DOI: 10.3354/meps08835

44. COLMENERO A., **AGUZZI J.**, LOMBARTE A., BOZZANO A. 2010. Sensory constraints in temporal segregation in two species of anglerfish, *Lophius budegassa* and *L. piscatorius*. Marine Ecology Progress Series 416: 255-265
IF 2.50 Q1 (Marine and Freshwater Biology)
DOI: 10.3354/meps08766
43. COLL M., PIRODDI C., STEENBEEK J., KASCHNER K, BEN RAIS LASRAM F., **AGUZZI J.**, ET AL. 2010. Biodiversity of the Mediterranean Sea: status, patterns and threats. PLoS ONE (5): e11842
IF 4.41 Q1 (Biology)
DOI: 10.1371/journal.pone.0011842
42. CHIESA J.J., **AGUZZI J.**, GARCÍA J.A., SARDÀ F., DE LA IGLESIA H. 2010. Light intensity determines temporal niche switching of behavioral activity in deep-water *Nephrops norvegicus* (Crustacea: Decapoda). Journal of Biological Rhythms 25: 277-287
IF 3.31 Q1 (Biology)
DOI: 10.1177/0748730410376159
41. **AGUZZI J.**, COMPANY J.B. 2010. Chronobiology of deep-water decapod crustaceans on continental margins. Advances in Marine Biology 58: 155-225
IF 4.25 Q1 (Marine and Freshwater Biology)
DOI: 10.1016/B978-0-12-381015-1.00003-4
40. COSTA C., MENESATTI, P., **AGUZZI J.**, D'ANDREA S., ANTONUCCI F., RIMATORI V., PALLOTTINO F., MATTOCCIA M. 2010. External shape differences between sympatric populations of commercial clams *Tapes decussatus* and *T. philippinarum*. Food and Bioprocess Technology 3: 43-48
IF 3.60 Q1 (Food Science and Technology)
DOI: 10.1007/s11947-008-0068-8
39. **AGUZZI J.**, COSTA C., MENESATTI P., FUJIWARA Y., IWASE R., RAMIREZ-LLORDA E. 2009. A novel morphometry-based protocol of automated video-image analysis for species recognition and activity rhythms monitoring in deep-sea fauna. Sensors-Basel 9: 8438-8455
IF 1.90 Q1 (Instruments and Instrumentation)
DOI: 10.3390/s91108438
38. BAHAMON N., **AGUZZI J.**, SARDÀ F. 2009. Fuzzy diel patterns in catchability of deep-water species on the continental margin. ICES Journal of Marine Science 66: 2211-2218
IF 1.92 Q1 (Fisheries)
DOI: 10.1093/icesjms/fsp190
37. **AGUZZI J.**, BAHAMON N. 2009. Modeled day-night biases in decapod assessment by bottom trawling survey. Fisheries Research 100: 274-280
IF 1.53 Q1 (Fisheries)
DOI: 10.1016/j.fishres.2009.08.010
36. MENESATTI P., **AGUZZI J.**, COSTA C., GARCÍA J.A., SARDÀ F. 2009. A new morphometric implemented video-image analysis protocol for the study of social modulation in activity rhythms of marine organisms. Journal of Neuroscience Methods 184: 161-168
IF 2.10 Q3 (Neurosciences)
DOI: 10.1016/j.jneumeth.2009.07.013

35. **AGUZZI J.**, SANCHEZ J., GARCIA J.A., SARDÀ F. 2009. Day-night and depth differences in haemolymph melatonin of the Norway lobster, *Nephrops norvegicus* (L.). *Deep-Sea Research I* 56: 1894-1905
IF 2.6 Q1 (Oceanography)
 DOI: 10.1016/j.dsr.2009.06.001
34. COSTA C., MENESATTI P., PAGLIA G., PALLOTTINO F., **AGUZZI J.**, RUSSO G., RECUPERO S., REFORGIATO-RECUPERO S. 2009. Quantitative evaluation of Tarocco sweet orange fruit shape using optoelectronic elliptic Fourier based analysis. *Postharvest Biology and Technology* 54: 38-47
IF 2.31 Q1 (Food Science and Technology)
 DOI: 10.1016/j.postharvbio.2009.05.001
33. **AGUZZI J.**, COSTA C., MENESATTI P., GARCIA J.A., SARDÀ F. 2009. Monochromatic blue light entrains diel activity cycles in the Norway lobster, *Nephrops norvegicus* (L.) as measured by automated video-image analysis. *Scientia Marina* 73(4): 773-783
IF 1.17 Q3 (Marine and Freshwater Biology)
 DOI: 10.3989/scimar.2009.73n4773
32. **AGUZZI J.**, BAHAMON N., MAROTTA L. 2009. The influence of light availability and predatory behavior of the decapod crustacean *Nephrops norvegicus* on the activity rhythms of continental margin prey decapods. *Marine Ecology: an Evolutionary Perspective* 30: 366-375
IF 1.56 Q2 (Marine and Freshwater Biology)
 DOI: 10.1111/j.1439-0485.2008.00276.x
31. ANTONUCCI F., COSTA C., **AGUZZI J.**, CATAUDELLA S. 2009. Ecomorphology of morpho-functional relationships in the family of Sparidae: A quantitative statistic approach. *Journal of Morphology* 270: 843-855
IF 1.79 Q2 (Anatomy and Morphology)
 DOI: 10.1002/jmor.10725
30. **AGUZZI J.**, COSTA C., ANTONUCCI F., COMPANY J. B., MENESATTI P., SARDÀ F. 2008. Influence of diel behaviour in the morphology of decapod Natantia. *Biological Journal of the Linnean Society* 96: 517-532
IF 2.02 Q3 (Evolutionary Biology)
 DOI: 10.1111/j.1095-8312.2008.01162.x
29. MENESATTI P., COSTA C., PAGLIA G., PALLOTTINO F., D'ANDREA S., RIMATORI V., **AGUZZI J.** 2008. Shape-based methodology for multivariate discrimination among Italian hazelnut cultivars. *Biosystems Engineering* 101:417-424
IF 0.92 Q2 (Agricultural Engineering)
 DOI: 10.1016/j.biosystemseng.2008.09.013
28. **AGUZZI J.**, COMPANY J.B., GARCÍA J.A. 2008. Ontogenetic and gender-modulated behavioural circadian rhythms in deep-water *Liocarcinus depurator* (Brachyura: Portunidae), *Munida tenuimana* and *Munida intermedia* (Anomura: Galatheidae). *Marine Ecology: an Evolutionary Perspective* 30: 93-105
IF 1.23 Q2 (Marine and Freshwater Biology)
 DOI: 10.1111/j.1439-0485.2008.00252.x

27. **AGUZZI J.**, PUIG. P., COMPANY J.B. 2008. Hydrodynamic, non-photoc modulation of biorhythms in the Norway lobster, *Nephrops norvegicus* (L.). Deep-Sea Research I 56: 366-373
 IF 1.80 **Q1** (Oceanography)
 DOI: 10.1016/j.dsr.2008.10.001
26. COSTA C., **AGUZZI J.**, CHIESA J.J., MAGNIFICO G., CASCIONE D., CAPRIOLI R. 2008. Evidences on the transient disruption of *Sabella spallanzanii* (Polychaeta, Sabellidae) fan activity rhythm in laboratory constant darkness. Italian Journal of Zoology 75(4): 337-344
 IF 0.55 **Q3** (Zoology)
 DOI: 10.1080/11250000701885596
25. **AGUZZI J.**, COMPANY J.B., GARCÍA J.A. 2008. The circadian behavioural regulation of the shrimp, *Processa canaliculata* Leach, 1815 (Decapoda, Processidae) in relation to depth, ontogeny, and the reproductive cycle. Crustaceana 81(11): 1301-1316
 IF 0.45 **Q4** (Marine and Freshwater Biology)
 DOI: 10.1163/156854008X369492
24. **AGUZZI J.**, SARRIÁ D., GARCÍA J.A., DEL RIO J., SARDÀ F., MANUEL A. 2008. A new tracking system for the measurement of diel locomotor rhythms in the Norway lobster, *Nephrops norvegicus* (L.). Journal of Neuroscience Methods 173: 215-224
 IF 2.09 **Q3** (Neuroscience)
 DOI: 10.1016/j.jneumeth.2008.06.009
23. COSTA C., **AGUZZI J.**, MENESATTI P., ANTONUCCI F., RIMATORI V., MATTOCCIA M. 2008. Shape analysis of different populations of clams in relation to their geographical structure. Journal of Zoology 276: 71-80
 IF 1.67 **Q1** (Zoology)
 DOI: 10.1111/j.1469-7998.2008.00469.x
22. BERTOLUCCI C., COLOGNESI I., CARUSO P., **AGUZZI J.**, CHEN Z., FOÀ A., TOSINI G., BERNARDI F., MCKNIGHT S.L., PINOTTI M. 2008. Evidence for an overlapping role of CLOCK and NPAS2 transcription factors in liver circadian oscillators. Molecular and Cellular Biology 28: 3070-3075
 IF 5.94 **Q1** (Biochemistry and Molecular Biology)
 DOI: 10.1128/MCB.01931-07
21. **AGUZZI J.**, SARDÀ F. 2008. A history of recent advancements on *Nephrops norvegicus* behavioral and physiological rhythms. Reviews in Fish Biology and Fisheries 18: 235-248
 IF 1.79 **Q1** (Fisheries)
 DOI: 10.1007/s11160-007-9071-9
20. PULCINI D., COSTA C., **AGUZZI J.**, CATAUDELLA S. 2008. Light and shape: a contribution to demonstrate morphological differences in diurnal and nocturnal Teleosts. Journal of Morphology 269: 375-385
 IF 1.70 **Q2** (Anatomy and Morphology)
 DOI: 10.1002/jmor.10598
19. **AGUZZI J.**, COMPANY J.B., ABELLÓ P., GARCÍA J.A. 2007. Rhythmic diel movements of pandalid shrimps in the western Mediterranean continental shelf and upper slope. Journal of Zoology 273: 340-349
 IF 1.51 **Q1** (Zoology)
 DOI: 10.1111/j.1469-7998.2007.00331.x

18. **AGUZZI J.**, RAMIREZ-LLODRA E., TELESNICKI G., CAMPS M. 2007. Day-night activity rhythm of the cold seep shrimp *Alvinocaris stactophila* (Caridea: Alvinocarididae) from the Gulf of Mexico. *Journal of the Marine Biological Association of the UK* 87: 1175-1180
IF 0.78 Q3 (Marine and Freshwater Biology)
DOI: 10.1017/S0025315407057311
17. **AGUZZI J.**, COMPANY J.B., SARDÀ F. 2007. The activity rhythm of berried and unberried females of *Nephrops norvegicus* (Crustacea, Decapoda). *Crustaceana* 80(9): 1121-1134
IF 0.40 Q4 (Marine and Freshwater Biology)
DOI: 10.1163/156854007782008577
16. TOSINI G., **AGUZZI J.**, BULLOCK N.M., LIU C., KASAMATSU M. 2007. Effect of photoreceptor degeneration on circadian photoreception and free-running period in the Royal College of Surgeons Rat. *Brain Research* 1148: 76-82
IF 2.22 Q3 (Neurosciences)
DOI: 10.1016/j.brainres.2007.02.055
15. **AGUZZI J.**, COMPANY J.B., ABELLÓ P., GARCÍA J.A. 2007. Ontogenetic changes in the migratory behaviour of the congeneric benthopelagic shrimps *Pasiphaea multidentata* and *Pasiphaea sivado* (Crustacea: Caridea). *Marine Ecology Progress Series* 335: 167-174
IF 2.29 Q1 (Marine and Freshwater Biology)
DOI: 10.3354/meps335167
14. **AGUZZI J.**, CHIESA J.J., CAPRIOLI R., CASCIONE D., MAGNIFICO G., RIMATORI V., COSTA C. 2006. Preliminary evidences of circadian fan activity rhythm in *Sabella spallanzanii* (Gmelin, 1791) (Polychaeta: Sabellidae). *Scientia Marina* 70(4): 724-727
IF 1.00 Q3 (Marine and Freshwater Biology)
DOI: 10.3989/scimar.2006.70n4727
13. **AGUZZI J.**, COMPANY J.B., ABELLÓ P., GARCÍA J.A. 2006. Daily activity patterns of the mud shrimp *Solenocera membranacea* (Decapoda: Penaeoidea: Solenoceridae) in the western Mediterranean: a comparison by depth and season. *Bulletin of Marine Science* 79: 353-364
IF 1.01 Q3 (Marine and Freshwater Biology)
DOI: Absent. ISSN: 00074977
12. **AGUZZI J.**, CHIESA J.J. 2005. Cardiac activity of *Nephrops norvegicus* (Decapoda: Nephropidae): the relationship between circadian and ultradian rhythms. *Journal of Crustacean Biology* 25(4): 577-584
IF 0.96 Q3 (Marine and Freshwater Biology)
DOI: 10.1651/C-2606.1
11. **AGUZZI J.**, CUESTA J.A., LIBRERO M., TOJA J. 2005. Daily and seasonal feeding rhythmicity of *Palaemonetes varians* (Leach, 1814) from Southwestern Europe. *Marine Biology* 148: 141-147
IF 1.77 Q1 (Marine and Freshwater Biology)
DOI: 10.1007/s00227-005-0025-2
10. **AGUZZI J.**, CHIESA J., ABELLÓ P., DÍEZ-NOGUERA A. 2005. Temporal modifications in cardiac rhythmicity of *Nephrops norvegicus* (Crustacea: Decapoda) in relation to trawl capture stress. *Scientia Marina* 69(3): 369-374

IF 1.00 Q3 (Marine and Freshwater Biology)

DOI: 10.3989/scimar.2005.69n3369

9. FUKUHARA C., **AGUZZI J.**, BULLOCK N.M., TOSINI G. 2005. Effect of long term-exposure to constant dim light on the circadian system of rats. *Neurosignals* 14(3): 117-125
IF 3.59 Q1 (Biophysics)
DOI: 10.1159/000086294
8. **AGUZZI J.**, SARDÀ F., ALLUÉ R. 2004. Seasonal dynamics in *Nephrops norvegicus* (Decapoda: Nephropidae) catches off the Catalan Coasts (Western Mediterranean). *Fisheries Research* 69: 293-300
IF 1.22 Q1 (Fisheries)
DOI: 10.1016/j.fishres.2004.04.010
7. **AGUZZI J.**, ABELLÓ P., DEPLEDGE M. 2004. Endogenous cardiac activity rhythm of the Northwester Mediterranean *Nephrops norvegicus* (L.) inhabiting the upper slope. *Marine and Freshwater Behaviour and Physiology* 37(1): 55-64
IF 0.67 Q3 (Marine and Freshwater Biology)
DOI: 10.1080/1023624042000199890
6. **AGUZZI J.**, BOZZANO A., SARDÀ F. 2004. First observations on *Nephrops norvegicus* (L.) burrow densities on the continental shelf off the Catalan coast (western Mediterranean). *Crustaceana* 77(3): 299-310
IF 0.33 Q4 (Marine and Freshwater Biology)
DOI: 10.1163/1568540041181457
5. **AGUZZI J.**, COMPANY J.B., ABELLÓ P. 2004. Locomotor activity of continental slope *Nephrops norvegicus* (Decapoda: Nephropidae). *Journal of Crustacean Biology* 24(2): 282-290
IF 0.96 Q3 (Marine and Freshwater Biology)
DOI: 10.1651/C-2458
4. **AGUZZI J.**, COMPANY J.B., SARDÀ F. 2004. Feeding activity rhythm of *Nephrops norvegicus* (L.) of the Western Mediterranean shelf and slope grounds. *Marine Biology* 144: 463-472
IF 1.77 Q1 (Marine and Freshwater Biology)
DOI: 10.1007/s00227-003-1221-6
3. **AGUZZI J.**, COMPANY J.B., SARDÀ F., SÁNCHEZ J., GARCÍA J.A., ROTLLANT G. 2004. Is the glucose concentration in the hemolymph a suitable indicator of circadian rhythmicity in *Nephrops norvegicus* (Decapoda: Nephropidae)? *Crustaceana* 77: 213-229
IF 0.33 Q4 (Marine and Freshwater Biology)
DOI: 10.1163/156854004774003574. ISSN: 0011-216X
2. **AGUZZI J.**, SARDÀ F., ABELLÓ P., COMPANY J.B., ROTLLANT G. 2003. Diel and seasonal patterns of *Nephrops norvegicus* (Decapoda: Nephropidae) catchability in the western Mediterranean. *Marine Ecology Progress Series* 258: 201-211
IF 2.14 Q1 (Marine and Freshwater Biology)
DOI: 10.3354/meps258201
1. **AGUZZI J.**, COMPANY J.B., SARDÀ F., ABELLÓ P. 2003. Circadian oxygen consumption patterns in continental slope *Nephrops norvegicus* (Decapoda: Nephropidae) in the western Mediterranean. *Journal of Crustacean Biology* 23: 749-757
IF 0.87 Q3 (Marine and Freshwater Biology)

E. OTROS TRABAJOS CIENTÍFICOS EN REVISTAS PEER-REVIEWED SIN IF

3. COSTA C., **AGUZZI J.** 2015. Temporal shape changes and future trends in European automotive design. *Machines*, 3: 256-267
DOI: 10.3390/machines3030256
2. **AGUZZI J.**, SARDÀ F. 2008. Biological rhythms in the marine environment: The Norway lobster (*Nephrops norvegicus*, L.) as a case study. *Contribution to Science* 3(4): 493-500
DOI: 10.2436/20.7010.01.25
1. **AGUZZI J.**, BULLOCK N.M., TOSINI G. 2006. Spontaneous internal desynchronization of locomotor activity and body temperature rhythms from plasma melatonin rhythm in rats exposed to constant dim light. *Journal of Circadian Rhythms* 4: 6
DOI: 10.1186/1740-3391-4-6

F. CAPÍTULOS DE LIBRO

6. AYMA A., **AGUZZI J.**, CANALS M., COMPANY J.B., LASTRAS G., MECO A., LO IACONO C. 2018. Occurrence of living cold-water corals at large depths within submarine canyons of the northwestern Mediterranean Sea. *Mediterranean Cold-Water Corals: Past, Present and Future*. Editors: Covadonga Orejas & Carlos Jiménez. Springer Ed. In Press.

5. COMPANY J.B., RAMIREZ-LLODRA E., SARDÀ F., PUIG P., CANALS M., CALAFAT A., PALANQUES A., SOLÉ M., SÁNCHEZ A., MARTÍN J., **AGUZZI J.**, LASTRAS G., TECCHIO S., KOENIG S., FERNANDEZ DE ARCAYA U., MECHÓ A., FERNÁNDEZ P. 2012. Submarine canyons in the Catalan Sea (nw Mediterranean): megafaunal biodiversity patterns and anthropogenic threats. In: *Mediterranean submarine canyons: Ecology and governance*. International Union for Conservation of Nature (IUCN) Series. Wurz M. (Ed.). Solprint, Gland (Switzerland) and Malaga (Spain). Cap. 3.8., Pp.133-144
ISBN: 978-2-8317-1469-1

4. COSTA C., MENESATTI P., **AGUZZI J.** 2010. Quality evaluation by hyperspectral imaging. In: *Hyperspectral imaging for food quality analysis and control*. In: *Hyperspectral Imaging for food quality and analysis control*. Da-Wen S. (Ed.), Springer-Verlag (Berlin-Heidelberg). Pp. 273-298
ISBN: 9780123747532

3. SARDÀ F., **AGUZZI J.** 2010. Decàpodes d'interès pesquer: l'escamarlà. In: *Fauna i flora. Història Natural dels Països Catalans*. Enciclopèdia Catalana (Barelona). Pp. 29-30
ISBN: 978-84-4121987-8

2. TOSINI G., **AGUZZI J.** 2005. Effects of space flight on circadian rhythms. In: *Experimentation with the animal model in space*. Sonnenfeld G. (Ed.), Elsevier Science BV, Amsterdam. Pp. 165-174
ISBN: 0-444-51907-6
DOI: 10.1016/S1569-2574(05)10006-9

1. **AGUZZI J.** 2004. Orologi biologici in ambiente marino: *Nephrops* come modello di studio. In: *Introduzione alle scienze ambientali. Oceanografia ed ecosistemi marini (Libro Secondo)*. Natale A. (Ed.), Associazione Italiana Scienze Ambientali (AISA) & Artesettima, Recanati (Parma). Pp. 84-100

G. INFORMES DE ASESORAMIENTO CIENTÍFICO
--

10. AGUZZI J., COMPANY J.B., NAVARRO J., BAHAMON N., ROTLLANT G., GARCÍA J.A., DEL RÍO J., GOMARIZ S., MASMITJA I., MARINI S., FANELLI E., LORDAN C., DOYLE J., CHUMBINHO R., TUCK I. 2018. New monitoring technologies assisting deep-water and deep-sea crustacean decapods stock assessment. ICES Final report of the Working Group on Nephrops Surveys (WGNEPS), 6-7 November 2018, Lorient (France). IN PRESS
9. **AGUZZI J.**, DE LEO F., JUNIPER K. 2018. Marine cabled observatories: moving towards applied monitoring for fisheries management, ecosystem functioning and biodiversity. Final report of the Ocean Network of Canada (ONC) Research-Theme focused Workshop. 4-5 October 2015. Instituto de Ciencias del mar (ICM-CSIC), Barcelona (Spain).
8. SBRAGAGLIA V., LEIVA D, ARIAS A., GARCÍA J.A., **AGUZZI J.**, BREITHAUPT T. 2017. Fighting over burrows: Rank related benefits during emergence of dominance hierarchies in the Norway lobster (*Nephrops norvegicus*). ICES Final report of the Working Group on Nephrops Surveys (WGNEPS), 2-3 November 2017, Heraklion, Greece. ICES CM 2017/SSGIEOM:19. 78 pp.
7. **AGUZZI J.**, COMPANY J.B., NAVARRO J., GARCIA J.A., BAHAMON N., GOMARIZ S., DEL RIO J., MASMITJA I., CASTRO G., TUCK I. 2017. Technological developments for population monitoring of Norway lobster (*Nephrops norvegicus*) into a marine protected area (RESNEP). ICES Final report of the Working Group on Nephrops Surveys (WGNEPS), 2-3 November 2017, Heraklion, Greece. ICES CM 2017/SSGIEOM:19. 78 pp.
6. MARIN P., PERRY A., AGUILAR R., **AGUZZI J.**, CARDONE F., D'ONGHIA G., FOURT M., GEROVASILEIUO, HENRY L.-A., LEBRIS N., MECO A., MITILINEOU C., OREJAS C., OTERO M., RUEDA L., SALOMIDI M., SIMBOURA M., TUNESI L., YUCEL M., WURTZ M. 2016. Provisional list of Mediterranean habitat types and representative species that may contribute to form VMEs. In: Report of the first meeting of the Working Group on Vulnerable Marine Ecosystems (WGVME), 3-5 April 2017, Malaga, Spain. GFCM:SAC19/2017/Inf.6., Appendix C.
5. **AGUZZI J.** 2015. Other technologies: An advanced opto-electronic and fishery-independent monitoring of Sablefish. In: ICES Final report of the Working Group on *Nephrops* Surveys (WGNEPS), 7-8 November 2016, Reykjavik, Iceland. ICES CM 2016/SSGIEOM:32. 67 pp.
4. **AGUZZI J.** 2016. Mediterranean Deep-sea ecosystems: New monitoring technologies. In: Developing a strategic plan for Mediterranean Deep-sea Research, Conservation, Management and Monitoring. Report of the Agences des Aires Marines Protégées of the International Union for Conservation of Nature (IUCN). 9 -10 September, 2015. Station Marine d'Endoume (IMBE), Marseille, France. In Preparation.
3. SBRAGALIA V., **AGUZZI J.** 2015. Availability of *Nephrops norvegicus*: What laboratory research suggest us? In: ICES Final report of the Working Group on *Nephrops* Surveys (WGNEPS), 10-13 November 2015, Cadiz, Spain. ICES CM 2015/SSGIEOM:30. 56 pp.
2. JUNIPER K., INSUA T.L., **AGUZZI J.**, PALANQUES A., GARCIA I., 2015. Report on Canada-EUROPE Working Session on OCEANS. Barcelona. 4-6 Novembe. Co-sponsored by the Embassy of Canada in Spain, Canada Foundation for Innovation, Spanish Institute of Oceanography, and Ocean Networks Canada and the Marine Science Insitutute (ICM-CSIC).

1. **AGUZZI J.** 2013. Bio-rythmic behaviour (Capter 6). In: ICES Final report of the Working Group on *Nephrops* Surveys (WGNEPS), 5–8 November 2013, Barcelona, Spain. ICES CM 2013/SSGESST: 21. 27 pp.

**H. ACTAS DE CONGRESOS PEER-REVIEWED
(Conference Papers)**
(*) Indexados en SCOPUS

- 43*. FANELLI E., SBAGAGLIA V., AZZURRO E., MARINI S., DEL RIO J., TOMA D., AGUZZI J. 2017. Intra-annual OBSEA. IMEKO International Conference on Metrology of the Sea (METROSEA). 11-13 October, Naples (Italy).
- 42*. MARINI S., CORGNATI L., MANOTOVANI C., BASTIANINI M., OTTAVIANI E., FANELLI E., **AGUZZI J.**, GRIFFA A., POULAIN P.M. 2017. An autonomous imaging system for the Argo Flots. IMEKO International Conference on Metrology of the Sea (METROSEA). 11-13 October, Naples (Italy).
- 41*. MASMITJIA I., BOUVET P.J., GOMARITZ S., **AGUZZI J.**, DEL RIO J., TOMA D. 2017. Accuracy and precision studies for range-only underwater target tracking in shallow waters. 22nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing SUPPORTING WORLD DEVELOPMENT THROUGH ELECTRICAL&ELECTRONIC MEASUREMENTS IASI, ROMANIA, September 14-15, 2017
40. COCO S., SBAGAGLIA V., FANELLI E., AZZURRO E., MARINI S., ENGUIDANOS S., DEL RÍO J., NOGUERAS M., TOMA D., PONTI M., **AGUZZI J.** 2016. Video monitoring of Sparidae temporal rhythms: Three-year study by OBSEA cabled observatory. *Instrumentation Viewpoint* 16: 61-62.
ISSN-e: 1886-4864 DL B-32814-2006
39. MARINI S., AZZURRO E., COCO S., DEL RIO J., ENGUÍDANOS S., FANELLI E., NOGUERAS M., SBAGAGLIA V., TOMA D., **AGUZZI J.** 2016. Automatic fish counting from underwater video images: performance estimation and evaluation. *Instrumentation Viewpoint* 16: 55-57.
ISSN-e: 1886-4864 DL B-32814-2006
38. CHATZIEVANGELOU D., THOMSEN L., PURSER A., DOYA C., **AGUZZI J.**, SCHWENDNER J., DUDA A., BEST M.M.R, DE LEO F., JUNIPER S.K. 2016. 5 Year-long Monitoring of Barkley Canyon Cold-seeps with the Internet Operated Deep-sea Crawler “Wally”. *Instrumentation Viewpoint* 16: 60.
ISSN-e: 1886-4864 DL B-32814-2006
37. GARCÍA J.A., COMPANY J.B., AGUZZI J., GORELLI G. 2016. Integrating data from vessel monitoring system and fish landings in Mediterranean small fleets using PostgreSQL database with PostGIS extension. *Instrumentation Viewpoint* 16: 53.
36. GARCÍA J.A., MASIP D., SBAGAGLIA V., **AGUZZI J.** 2016. Using ORB, BOW and SVM to identify and track tagged Norway lobster, *Nephrops norvegicus* (L.). *Instrumentation Viewpoint* 16: 50-52.
ISSN-e: 1886-4864 DL B-32814-2006
35. BAHAMON, N., AHUMADA, M.A., BERNARDELLO, R., **AGUZZI, J.**, CARRERAS, G., CRUZADO, A. 2016. Seven years of monitoring marine environmental changes at OOCs stations. *Instrumentation Viewpoint* 16: 23-24.

34. GARCIA J.A., MASIP D., SBRAGAGLIA V., **AGUZZI J.** 2016. A comparative evaluation of computer vision methods applied to *Nephrops norvegicus* (L.) identification and tracking. 19th International Conference of the Catalan Association for Artificial Intelligence (CCIA). 19-21 October. Universitat Pompeu Fabra (Barcelona, Spain).
33. FANELLI E., **AGUZZI J.**, CIUFFARDI T., CRAIG J., RICCOBENE G., CAPONE A. (and the KM3Net PEOPLE). 2015. Inertial bioluminescence rhythms at the Central Mediterranean KM3NeT deep-sea neutrino telescope. 41th Sea Commission Internationale pour l'Exploration Scientifique de la Méditerranée (CIESM) Congress. 12-16 September 2016. Christian Albrechts University (Kiel, Germany).
- *32. LOCREDITANI M., FAVALI P., BERANZOLI L., CARMISCIANO C., MUCCINI F., STROOBANT M., DELFANTI, R., FANELLI, E., GRIFFA, A., **AGUZZI J.**, CIUFFARDI T., COCITO S., MARINI S. 2014. Investigating the mediterranean by seafloor observations: The eastern branch of the EMSO Ligurian Sea node. Proceeding of the OCEANS'15 MTS/IEEE-Genova: 1-6.
DOI: 10.1109/OCEANS-Genova.2015.7271590
31. MAZZEI L., MARINI S., CRAIG J., **AGUZZI J.**, FANELLI E., PRIEDE I.G. (2014). Automated video imaging system for counting deep-sea bioluminescence organisms events. International Conference on Pattern Recognition (ICPR), Workshop: Computer Vision for Analysis of Underwater Imagery (CVAUI). IEEE-Stockholm: 57-64
DOI: 10.1109/CVAUI.2014.15
ISBN: 978-1-4799-6709-4
30. SANTAMARIA G., **AGUZZI J.**, SBRAGAGLIA V., DEL RÍO J., NOGUERAS M., MÀNUEL A., SARDÀ F. 2013. Long-term monitoring of day-night fish assemblages at OBSEA. Instrumentation Viewpoint 15: 58-60.
ISSN-e: 1886-4864
29. BGHIEL I., DEL RIO J., HIDALGO A., TOMA D.M., MÀNUEL A., **AGUZZI J.** 2013. Preliminary results of the OBSEA Citizen Science Project. Instrumentation Viewpoint 15: 98-100.
ISSN-e: 1886-4864
28. DEL RIO J., **AGUZZI J.**, HIDALGO A., BGHIEL I., MANUEL A., SARDÀ F. 2013. Citizen Science and marine community monitoring by video-cabled observatories: the OBSEA Citizen Science Project.
Proceeding of the UT-13 IEEE-Tokyo: 1-3
DOI: 10.1109/UT.2013.6519842
ISSN: 0364-9059
27. SBRAGAGLIA V., **AGUZZI J.**, SANTAMARIA G., MANUEL A., DEL RIO J., NOGUERAS M., SARDÀ F. 2013. The use of coastal cabled video-observatories to monitor seasonal changes in fish community composition
Proceeding of the UT-13 IEEE-Tokyo: 1-5
DOI: 978-1-4673-5948-1/13
ISSN: 0364-9059
26. **AGUZZI J.**, COSTA C., COMPANY J.B., FUJIWHARA Y., FAVALI P., TUNNICLIFFE V., MATABOS M., CANALS M., MENSATTI P. 2013. The new synthesis of cabled

observatory science: technology meets deep-sea ecology. Proceeding of the UT-13 IEEE-Tokyo: 1-8

DOI: 10.1109/UT.2013.6519817

ISSN: 0364-9059

25. **AGUZZI J.**, SARDÀ F., GARCÍA J. A., SARRIÀ D., DEL RIO J., MANUEL A., COSTA C., MENESATTI P. 2011. The measurement of door-keeping and emergence diel rhythms in the Norway lobster, *Nephrops norvegicus* (L.) by a new actograph and IR digital-video image analyser. Atti del Museo Regionale di Scienze Naturali di Torino: 3-16
ISSN: 1123-1246
24. SARRIÀ D., MOLINO E., ROTLLANT G., MÀNUEL A., **AGUZZI J.**, SARDÀ F. 2011. Monitoring species in artificial reefs using acoustic communications. Instrumentation Viewpoint 11: 59
ISSN-e: 1886-4864
23. COSTA C., **AGUZZI J.**, MENESATTI P., MÀNUEL A., BOGLIONE C., SARRIÀ D., GARCÍA J.A., SARDÀ F., DEL RÍO J., ANTONUCCI F., SBRAGAGLIA V., RAMPACCI M., D'AMBRA R., CATAUDELLA S. 2011. Versatile application of RFID technology to commercial and laboratory research contexts: fresh fish supply-chain and behavioural tests.
Instrumentation Viewpoint 11: 48
ISSN-e: 1886-4864
- 22*. SARRIÀ D., MOLINO E., DEL RÍO J., MÀNUEL A., SARDÀ F., **AGUZZI J.**, ROTLLANT G. 2011. Monitoring species using acoustic communications. Proceeding of the OCEANS'11 IEEE-Santander: 1-5
ISBN: 978-1-4577-0086-6
21. **AGUZZI J.**, COSTA C., MENESATTI P., COMPANY J.B. 2011. New challenges to deep-water stock and biodiversity assessments: the chronobiological scenario and automated video-imaging solutions.
Kresimir Williams, Chris Rooper, and John Harms (Editors). 2012. Report of the National Marine Fisheries Service Automated Image Processing Workshop. U.S. Dep. Commer. NOAA Technical Memorandum NMFS-F/SPO-121: 22-24.
20. CONDAL F., **AGUZZI J.**, SARDÀ F., MANUÈL A. 2010. Marine fauna identification *via* image analysis form OBSEA. Species habits observations using acoustic techniques. Instrumentation Viewpoint 10: 22
ISSN-e: 1886-4864
19. SARRIA D., MÀNUEL A., DEL RÍO J., MOLINO E., SARDÀ F., **AGUZZI J.**, ROTLLANT G. 2010. Species habits observations using acoustic techniques. Instrumentation Viewpoint 10: 17
ISSN-e: 1886-4864
- 18*. PONS S., **AGUZZI J.**, PIERA J. 2010. Video-image processing applied to the analysis of the behaviour of deep-water lobsters (*Nephrops norvegicus*).
Proceeding of the OCEANS'10 IEEE-Sidney: 1-4
DOI: 10.1109/OCEANSSYD.2010.5603679
17. MAROTTA L., **AGUZZI J.** 2009. Coastal and marine landscape ecology based on marine geospatial data infrastructure for analysis of marine resources and fishing effort. Instrumentation Viewpoint 8: 75

16. PONS S., **AGUZZI J.**, PIERA J. 2009. Automated video-image analysis for the analysis of the behaviour of deep-water lobsters (*Nephrops norvegicus*).
Instrumentation Viewpoint 8: 76-77
ISSN-e: 1886-4864
15. COSTA C., PALLOTTINO F., ANGELINI C., PROIETTI M., CAPOCCIONI F., **AGUZZI J.**, ANTONUCCI F., MENESATTI P. 2009. Colour calibration for quantitative biological analysis: a novel automated multivariate approach.
Instrumentation Viewpoint 8 (ISSN-e: 1886-4864): 70-71
14. **AGUZZI J.**, COSTA C., COMPANY J.B., ANTONUCCI F., PALLOTTINO F., MENESATTI P., CANALI E., GIORGI S., ANGELINI C., KETMAIER V. 2009. Application of geometric-morphometric, hyperspectral imaging and molecular markers to the study of depth-driven differences in populations of Decapods (Crustacea).
Instrumentation Viewpoint 8: 73-74
ISSN-e: 1886-4864
13. **AGUZZI J.**, COSTA C., MENESATTI P., MANUEL A., DEL RÍO J., GARCÍA J.A., FUJIWARA Y., IWASE R., COMPANY J.B., SARDÀ F. 2009. Potential applications of automated video-image analysis in the pelagic and demersal environment including the deep-sea.
Instrumentation Viewpoint 8: 72-73
ISSN-e: 1886-4864
12. CAPOCCIONI F., COSTA C., MENESATTI P., LOMBARTE T., **AGUZZI J.**, CICCOTTI E. 2009. Otolith growth allometry measurements in the European eel.
Instrumentation Viewpoint 8: 71-72
ISSN-e: 1886-4864
- 11*. SARRIÁ D., DEL RIO J., MANUEL A., **AGUZZI J.**, SARDÀ F. 2009. A new tracking system to study the behaviour of species.
Proceedings of the IMEKO TC9 World Congress. Fundamental and Applied Metrology: 1421-1424
ISBN: 978-963-88410-0-1
- 10*. SARRIÁ D., DEL RÍO J., MÀNUEL A., **AGUZZI J.**, SARDÀ F., GARCÍA J.A. 2009. Studying the behaviour of Norway lobster using RFID and infrared tracking technologies.
Proceeding of the OCEANS'09 IEEE-Bremen: 1-4
DOI: 10.1109/OCEANSE.2009.5278280
9. SARRIÁ D., DEL RÍO J., MÀNUEL A., **AGUZZI J.**, SARDÀ F. 2009. RFID Tracking system to study the behaviour of species.
Instrumentation Viewpoint: 7
ISSN-e: 1886-4864
8. SARRIÁ D., DEL RÍO J., MÀNUEL A., **AGUZZI J.**, GARCÍA J.A., SARDÀ F. 2008. Actographic detection system based on infrared and computer vision technologies to measure the behaviour of species.
Proceedings of the 6th IMEKO TC4 Symposium: Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements: 1-5
ISBN: 978-1-4244-2523-5

7. MAROTTA L., **AGUZZI J.**, BAHAMON N., CECCARONI L. 2008. Sustainability indicators of human appropriation of secondary production: a model on fishery exploitation of the Norway lobster, *Nephrops norvegicus* (L.).
Proceeding of Littoral: 216-222
ISBN: 88-89405-04-X
6. SARRIÁ D., DEL RÍO J., MÀNUEL A., **AGUZZI J.**, SARDÀ F. 2007. Data and image acquisition system to measure emergence activity rhythms on *Nephrops norvegicus* population assessment.
Instrumentation Viewpoint 6: 105-106
ISSN-e: 1886-4864
5. **AGUZZI J.**, CAPRIOLI R., COSTA C., MENESATTI P., SCARDI M. 2007. Real Time Motion Analysis as a useful tool to monitor behavioural rhythms and activity statuses in fishes.
Instrumentation Viewpoint 6: 94-95
ISSN-e: 1886-4864
- 4*. SARRIÁ D., DEL RÍO J., MÀNUEL A., **AGUZZI J.**, GARCÍA J.A., SARDÀ F. 2008. Infrared and imaging application to measure emergence activity rhythms on *Nephrops norvegicus* (L.) population assessment.
Proceedings of the IEEE Sensors Applications Symposium (SAS): 74-78
ISBN: 978-1-4244-1963-0
3. **AGUZZI J.**, SARRIÁ D., DEL RIO J., SARDÀ F., MANUEL A., COMPANY J.B. 2006. The NORIT project: The incidence of Norway lobster (*Nephrops norvegicus* L.) emergence activity rhythms on its population assessment.
Instrumentation Viewpoint 5: 3-4
ISSN-e: 1886-4864
2. MAGNIFICO G., CAPRIOLI R., CASCIONE D., COSTA C., **AGUZZI J.** 2006. First records on the endogenous rhythm of *Sabella spallanzanii* (Gmelin, 1791) in laboratory constant darkness.
Proceedings of the Società Italiana di Biologia Marina (SIBM-Biologia Marina Mediterranea) 13(1): 1094-1097
ISSN: 0394-1981
1. **AGUZZI J.**, MAYNOU F.J., COMPANY J.B., ROTLLANT G., SARDÀ F. 2004. The dimensional units of *Nephrops norvegicus* (L.) distribution: from burrows to populations.
Proceedings of the Marine Biogeography and Mediterranean Sea: patterns and dynamic of biodiversity. Italian Society of Biogeography (SIB); Biogeographia 25: 81-92
ISSN: 1594-7610

I. DIVULGACIÓN

1. Artículos producidos en revistas de divulgación

- a. **AGUZZI J.**, SARDÀ F., GARCÍA J.A., COSTA C., MENESATTI P., SARRIÀ D., DEL RIO J., MANUEL A. 2009. Quando acquistare lo scampo. EuroFishmarket Magazine, 2: 62-66.
ISSN: 1974-3084
- b. **AGUZZI J.** 2007. Biological rhythms of deep water crustaceans: Do we see any light? JMBA Global Marine Environment 6: 24.
ISSN: 1496-7769
- c. **AGUZZI J.**, SANTAMARÍA G., DEL RÍO J., SARDÀ F., NOGUERAS M., MANUEL A. 2014. Diel rhythms in coastal temperate fishes at the OBSEA. Instrumentation Viewpoint (OBSEA Special Issue) 17: 51-54.
- d. DEL RÍO J., **AGUZZI J.**, COSTA C., MENESATTI P., NOGUERAS M., SARDÀ F., MANUEL A. 2014. Colorimetric-calibration by means of automated video-imaging protocol for the day-night fish counting at the OBSEA cabled observatory. Instrumentation Viewpoint (OBSEA Special Issue) 17: 55-57.
- e. MECO A., **AGUZZI J.**, COMPANY J.B., CANALS M., LASTRAS G., TURON X. 2014. First visual observation of the deep-sea carnivore ascidian *Dicopia antirrhinum* Monniot C., 1972 in the Western Mediterranean. In Deep Bulletin-Deep-Sea Life 3: 6-7.
- f. MECO A., BILLET D.S.M., RAMÍREZ-LLODRA E., **AGUZZI J.**, TYLER P.A., COMPANY J.B. 2014. First records, rediscovery and revision of deep-sea echinoderms in the middle and lower-slopes of the north-western Mediterranean Sea. In Deep Bulletin-Deep-Sea Life 3: 7.
- g. **AGUZZI J.**, SBRAGAGLIA V., TECCHIO S., NAVARRO J., COMPANY J.B. 2014. Rhythmic behaviour of marine benthopelagic species and the synchronous dynamics of benthic communities. In Deep Bulletin-Deep-Sea Life 4: 8-9.
- h. **AGUZZI J.**, MARINI S., CRAIG J., FANELLI E., MAZZEI L., PRIEDE I.G. 2014. Automated video imaging for counting bioluminescence organisms. In Deep Bulletin-Deep-Sea Life 4: 10-11.
- i. **AGUZZI J.**, COSTA C., COMPANY J.B., DOYA C., DEL RIO J., TOMA D.M., THOMSEN L., PURSER A., FUJIWARA Y., FANELLI E., MARINI S., DE LEO F., JUNIPER K., RUHL H.A., MEREDITH P., BOONE S., FAVALI P. 2014. Cabled video-observatories for studying seafloor communities and activity rhythms from coastal areas to the deep-sea. In Deep Bulletin-Deep-Sea Life 4: 22.
- l. SBRAGAGLIA V., **AGUZZI J.** 2014. Tidal rhythms in deep-sea benthos. In Deep Bulletin-Deep-Sea Life 4: 27-28.
- m. AYMÀ A., **AGUZZI J.**, COMPANY J.B., LASTRAS G., MECO A., CANALS M. 2014. Deep-sea fauna usage of marine litter. In Deep Bulletin-Deep-Sea Life, 4: 28.
- n. **AGUZZI J.**, GARCÍA I. 2014. Canada-EU marine cooperation in cabled observatory science. In Deep Bulletin-Deep-Sea Life 4: 28.

- o. AGUZZI J.** 2017. Ritmes al mar profund: efecte sobre la avaluació de les comunitats i noves tecnologies d'estudi. L'Atzavara no. 27: 33-38 (ISSN 0212-8993 eISSN 2339-9791)
- p. AGUZZI J., FANELLI E., CIUFFARDI T., SCHIRONE A., CRAIG G., and the NEMO Consortium.** 2017. Inertial bioluminescence rhythms at the Central Mediterranean KM3NeT deep-sea neutrino telescope. *Indeep Bulletin-Deep-Sea Life* 9: 35-36
- q. DE LEO F., THOMSEN L., AGUZZI J., COSTA C., ONGSTON A., PURSER A.** 2017. Deep-sea and outer space technology helps understanding of submarine canyons, carbon sequestration and pelagic-benthic coupling. *Indeep Bulletin-Deep-Sea Life* 10: 22-24

2. Divulgación a través de “Social Media”

- a.** 14 Setiembre de 2007. Ponente en la mesa redonda de debate público (Invitación Dr. E. Biassoni) en el marco del Festival de Cortometrajes Mediterraneos “SeaTV: European and Mediterranean Festival on Sea Television. The role of TV and new media in the environmental safeguard”. Palazzo dei Congressi, Isola della Maddalena, Cagliari (Italia).
- b.** 7 de Marzo de 2011. Entrevista en Torch Magazine (The University of Victoria Alumni Magazine): Marine Scientists from around the world are experimenting with UVic's Ocean Network Canada Observatory
<http://web.uvic.ca/torch/interim/includes/pdf/Torch2011Autumn.pdf>
- c.** 30 de Enero de 2013. Entrevista en Europarl TV (Canal del Parlamento): Close to You: A cut too far?
<http://www.europarltv.europa.eu/en/player.aspx?pid=0593ef7e-3982-4b60-be6c-a155011bd2c7>
- d.** 9 de Junio de 2013. Charla a los Socios de la Federació catalana d'Activitats Subaquàtiques (FECIDAS): La Plataforma OBSEA: Activitats científiques i interfície a la ciutadania. Moll de la Vela (Zona Forum), Barcelona.
- e.** 10 de Junio de 2013. Entrevista para el multi-media interactivo sobre el programa OBSEA, realizado para la exposición “Mediterráneo” en el museo CosmoCaixa de Barcelona. Fundación de La Caixa
https://www.educaixa.com/microsites/Mediterrani/laboratorio_submarino/
- f.** 26 de Setiembre de 2013. Entrevista en el Periódico “Digital Science News” (Washington; Estados Unidos) sobre el uso de observatorio cableados de Canadá para la investigación de la fauna marina abisal.
- g.** 18 de Abril de 2014. Entrevista en el Periódico Digital “Indro, Quotidiano di Approfondimento Indipendente” (Roma, Italia) sobre el uso industrial del metano en las fuentes marinas de afloramiento de aguas frías (cold-seeps).
- h.** 11 de Junio de 2014. Charla pública: OBSEA Citizen Science project. Jornada Barcelona Citizen Science Day-Festival de la Ciència Tecnologia e Innovació 2014. Centre Cultural el Born, Barcelona.
http://festivalcti.bcn.cat/ciudadana_post/jornada-barcelona-citizen-day/
- i.** 16 de Abril de 2015. Charla pública: The Underwater Big Brother: OBSEA Citizen Science Project. Jornada Barcelona Citizen Science Day-Festival de la Ciència Tecnologia. Innovació 2015. Disseny Hub, Barcelona.

- l.** 4 de Mayo de 2015. Participación en el Jurado del Premio Cobat (Consorzio Nazionale Raccolta e Riciclo) de calidad ambiental otorgado a los puertos italianos que utilizan energías renovables. Sede Cobat (Roma).
- m.** 5 de Junio de 2015. Priemera Jornada de Govenrança Litoral: El Litoral del Garraf. Veure, Pensar, Actuar. Observació i dades del fons marí: el projecte OBSEA. Resultats sobre biodiversitat i estacionalitat de les espècies mitjançant anàlisi de imatges de l'OBSEA. Fira del Medi Ambient i del Mar de l'ajuntament de Vilanova i la Geltrú, Grup de Medi Ambient de la Mesa Nàutica. Consrci Coll Miralpeiz. Ajuntament de Vilanova i la Geltrú (España).
- n-**15 de Agosto de 2015. Entrevista en el periódico “Una Città” (Milán, Italia): “Il nesso è il ritmo”; sobre el proceso de formación de los científicos europeos en relación a la movilidad postdoctoral, loc cirterios de selección y a las oposiciones ofertadas en diferentes países y con especial relación a a Italia.
- o-**28 Mayo de 2018. Entrevista en el periódico “El Periódico” (Barcelona, España): “La explotación del mar profundo dispara las alarmas ecológicas”; sobre problemas en la gestión del medio marino profundo y la tecnología de monitoreo.
- p-**18 de Octubre de 2018. Comunicado de prensa en el periódico científico “Le Scienze” (Edicion Italiana de “Scientific American”): Un método automatico per contare i pesci nel mare.
- q-**18 de Octubre de 2018. Comunicado de prensa en el periódico científico digital “Italiaambiente 24” radio: Specie marine, da oggi si contano con l’intelligenza artificiale.

3. Revisión de Artículos producidos en Revistas de Divulgación

- a.** Para el Boletín de la Sociedad Entomológica de Aragón, entitulado: “Actividad diurna y nocturna del cangrejo Sabanero *Neostrengeria macropa* (Milne-Edwards, 1853) en el embalse de San Rafael (Colombia)” de Arias-Pineda et al.

L. CONGRESOS, WORKSHOPS Y SIMPOSIA

157. AGUZZI J., THOMSEN L., CHATZIEVANGELOU D., DEL RIO J., COMPANY J.B., MARINI S., FANELLI E., FLÖGEL S., DANOVARO R., ROUNTREE R., JUANES F., DE LEO F. 2019. High-tech networks of robotic platforms for the monitoring of deep-sea crustacean populations. The Crustacean Society (TCS) Mid-Year Meeting. 26-30 May. The Chinese University of Hong Kong, Hong Kong (China).
Comunicación
PUBLICACIÓN: ADD PAPERS
156. AGUZZI J., COMPANY J.B., NAVARRO J., BAHAMON N., ROTLLANT G., GARCÍA J.A., DEL RÍO J., GOMARIZ S., MASMITJA I., MARINI S., FANELLI E., LORDAN C., DOYLE J., CHUMBINHO R., TUCK I., MARTINELLI M., CHIARINI M. 2019. New monitoring technologies assisting deep-water and deep-sea crustacean decapods stock assessment. The Crustacean Society (TCS) Mid-Year Meeting. 26-30 May. The Chinese University of Hong Kong, Hong Kong (China).
Postér
PUBLICACIÓN: ADD PAPERS
155. FRANCESCANGELI M, AGUZZI J., ERCILLA G., FANELLI E., ESTRADA F., VALENCIA J., COSTA C., BATISTA J.B., SOBRINO I., DANOVARO R. 2019. Distribution, behaviour, and litter interactions of deep-sea crustacean of the Gulf of Cadiz. The Crustacean Society (TCS) Mid-Year Meeting. 26-30 May. The Chinese University of Hong Kong, Hong Kong (China).
Postér
PUBLICACIÓN: ADD PAPERS
153. IVEŠA N., GAVRILOVIĆ A., CUKROV N., OMANOVIĆ D., CUKROV M., PIRIA M., GELLI M., GOBIĆ K., ŠTIFANIĆ M., SIMONE MARINI S., FANELLI E., **AGUZZI J.** 2018. Upotreba podvodne video kamere za procjenu abundancije gospodarski važnih vrsta riba na postaji Martinska kraj Šibenika. XXXX
Postér
PUBLICACIÓN: ADD PAPERS
152. DE LEO F., MIHALY S., MORLEY M., **AGUZZI J.**, SMITH C., PUIG P., THOMSEN L. 2018. Nearly a decade of deep-sea monitoring in Barkley Canyon, NE Pacific, using the NEPTUNE cabled observatory. International Network for submarine Canyon Investigation and Scientific Exchange (INCISE). from 5-7 November 2018. Kylin Villa Shenzhen (China).
Postér
PUBLICACIÓN: ADD PAPERS
151. FERNANDEZ-ARCAJA U., COMPANY J.B., NAVARRRO J., BAHAMON N., **AGUZZI J.**, PUIG P., ESTEBAN A., MASSUTÍ E. 2019. Assessing the role of dense shelf water cascading on megafaunal community of NW Mediterranean. 1st Meeting of the Iberian Ecological Society (SIBECOL) & XIV AAET meeting of “Ecology: An integrative science in the Anthropocene”. Next 4-7 February 2019. University of Barcelona, Barcelona (Spain).
Postér
PUBLICACIÓN: ADD PAPERS

150. IVEŠA N., **AGUZZI J.**, GAVRILOVIC A., CUKROV N., CUKROV M., OMANOVIC D., ŠTIFANIĆ M., MARINI S., PIRIA M., FANELLI E., DANOVARO R. 2018. Preliminary results of the first video-based ecological monitoring in the Croatian Nature 2000 coastal site. General Fisheries Commission for the Mediterranean (GFCM) Fish Forum 2018. 10-14 December. FAO headquarters, Rome (Italy).
Comunicación
PUBLICACIÓN: ADD PAPERS
149. N. BAHAMON, AHUMADA M.A., BERNARDELLO R., REUSCHEL C., COMPANY J.B., **AGUZZI J.**, CRUZADO A. 2018. A 9-year monitoring of environmental changes over the continental shelf in the Catalan Sea from multiparametric measurements. International Conference on Marine Data and Information Systems (IMDIS 2018). 5-7 Noviembre. Auditorium of the PRBB, Barcelona (Spain).
Postér
PUBLICACIÓN: ADD PAPERS
148. CHIARINI M., GARCIA J.A., **AGUZZI J.**, SBRAGAGLIA V. 2018. Dominance hierarchies need light-darkness to develop robust stability. Society for the Experimental Biology (SEB). 3-6 Julio. Fiera Congress and Exhibition Centre, Florence (Italy).
Postér
PUBLICACIÓN: ADD PAPERS
147. MASMITJA I., BOUVET P.J., **AGUZZI J.**, XXX 2018. Underwater acoustic slant range measurements related to weather and sea state. XXII World Congress of the International Measurement Confederation (IMEKO). 3-6 Setiembre. Belfast Waterfront, Belfast (Ireland).
Comunicación
PUBLICACIÓN: ADD PAPERS
146. MASMITJA I., GOMARIZ S. DEL RIO J., BOUVET P.J., **AGUZZI J.**, DEL RIO J. 2018. Underwater multi-target tracking with particle filters. 2018 OCEANS - MTS/IEEE Kobe Techno-Ocean (OTO). May 28-31, 2018. Kobe Convention Center, Kobe (Japan).
Comunicación
PUBLICACIÓN: ADD PAPERS
145. **AGUZZI J.**, DEL RIO J., GOMARIZ S., THOMSEN L., COMPANY J.B., MASMITJA I., MARINI S., FANELLI E., COSTA C., OLIVÉ J., FLOEGHEL S., TORKELSEN T., SCHWENDNER J., GODO RUNE O., LEBRIS N. 2018. Fluid and adaptive networks of fixed and mobile robotic platforms for the monitoring of deep-sea ecosystems. 4th International Symposium on the Effects of Climate Change on the World's Oceans (ECCWO). 4-8 June, 2018. The Washington Hilton, Washington D.C. (USA).
Postér
PUBLICACIÓN: ADD PAPERS
144. LE BRIS N., KALENITCHENKO D., PERU E., **AGUZZI J.**, THOMSEN L. 2018. New seafloor *in situ* laboratories based on fixed and mobile robotic platforms to monitor indicators of deep-sea ecosystem functioning and address their vulnerability to industrial activities and climate change. 4th International Symposium on the Effects of Climate Change on the World's Oceans (ECCWO). 4-8 June, 2018. The Washington Hilton, Washington D.C. (USA).
Comunicación
PUBLICACIÓN: ADD PAPERS

143. DEL RIO J., **AGUZZI J.**, GOMARIZ S., THOMSEN L., COMPANY J.B., MASMITJA I., MARINI S., FANELLI E., COSTA C., OLIVÉ J., FLOEGHEL S., TORKELSDEN T., SCHWENDNER J., GODO RUNE O. 2018. Autonomous and cabled underwater sensor networks applied to remote monitoring of biological indicators. JERICO-NEXT Section, European Geosciences Union (EGU) General Assembly 2018. 8-13 April 2018. Austria Center Vienna (ACV), Vienna (Austria).
Comunicación
PUBLICACIÓN: ADD PAPERS
142. **AGUZZI J.**, FANELLI E., MARINI S., CIUFFARDI T., SCHIRONE A., CRAIG J., RICCOBENE G., STEFANNI S., MEREDITH P. BOON S., GARCIA J.A., COSTA C. 2017. Bioluminescence rhythms at the Central Mediterranean KM3NeT deep-sea neutrino telescope.
Comunicación
PUBLICACIÓN: ADD PAPERS
141. SBRAGAGLIA **AGUZZI 2017**. Hyerarchy. WGNEPS, Heraklion.
Comunicación
PUBLICACIÓN: ADD PAPERS
140. **AGUZZI J.** 2017. New results from laboratory work on *Nephrops norvegicus*. WGNEPS, Heraklion.
Comunicación
PUBLICACIÓN: ADD PAPERS
139. TAMBURINI C., GOJAK C., **AGUZZI J.**, BARBIER R., BERTIN V., COYLE P., CIAUSU V., CUNY P., DESCHAMPS A., DURRIEU DE MADRON X., GOUJARD A., GRENZ C., HELLO Y., LAMARE P., SÉVERINE M., MILITON C., RABOUILLE C., THIBAUT D., LEFÈVRE D. 2017. Robot benthique profond sur le nœud EMSO-Ligue Ouest France. Atelier Expérimentation et Instrumentation (AEI). 17-19 October 2017. Campus IFREMER (Brest, France).
Postér
PUBLICACIÓN: ADD PAPERS
138. FANELLI E., SBRAGAGLIA V., AZZURRO E., MARINI S., DEL RIO J., TOMA D., **AGUZZI J.** 2017. Seasonal changes in coastal fish assemblages by multiparametric video-observatory monitoring. IMEKO TC-19, International Conference on Metrology of the Sea (METROSEA). 11-13 October. Parthenope University, Naples (Italy).
Comunicaicón
PUBLICACIÓN: ADD PAPERS
137. MARINI S., CORGNATI L., MANTOVANI C., BASTIANINI M., OTTAVIANI E., FANELLI E., **AGUZZI J.**, GRIFFA A., POULAIN P.M. 2017. An autonomous imaging system for the Argo Flots. IMEKO TC-19, International Conference on Metrology of the Sea (METROSEA). 11-13 October. Parthenope University, Naples (Italy).
Comunicaicón
PUBLICACIÓN: ADD PAPERS
136. HOEBERECHTS M., MATABOS M., DOYA C., **AGUZZI J.**, NEPHIN J., REIMCHEN T. E., LEAVER S., MARX R., BRANZAN ALBUW A., FIER, R., FERNANDEZ-ARCAYA U., JUNIPER S.K. 2018. Expert, Crowd, Students or Computer: Who holds the key to deep-sea imagery 'big data' processing? 2018 Ocean Sciences Meeting. 11-16 Feburary. Convention Center, Portland (Oregon).
Comunicación

PUBLICACIÓN: ADD PAPERS

- 135 DE LEO F., SASTRI A., MOUY X., **AGUZZI J.** 2017. From coastal temperate, high-arctic to deep-sea habitats: seafloor imagery and environmental monitoring using cabled observatories to track ecosystem function, biodiversity and benthic-pelagic coupling. AGU Fall Meeting. 11-15 December. New Orleans (USA).

Comunicación

PUBLICACIÓN: ADD PAPERS

134. CHATZIEVANGELOU D., SUAREZ A., **AGUZZI J.**, BIGHAM K., THOMSEN L. 2017. Optimization of surveys with Internet Operated Deep-sea Crawlers, as an integrated tool for ocean cabled observatories: Monitoring the benthic community of a methane hydrates site in Barkley Canyon (BC, Canada). AGU Fall Meeting. 11-15 December. New Orleans (USA).

Postér

PUBLICACIÓN: ADD PAPERS

133. LEFEVRE D., TAMBURINI C., GOJAK C., MAHIOUZ K., BERNARDET K., HAFIDI Z., DESCHAMPS A., HELLO Y., BARBIER R., COYLE P., BERTIN V., LAMARE P., BUSTO J., **AGUZZI J.**, ROMMEVAUX C., GLOTIN H., CIAUSU V. 2017. EMSO Western Ligurian node: A unique cabled observatory for environmental sea science and astroparticle physics. European Multi-disciplinary Seafloor and water-column Observatories (EMSO). Challenges and Opportunities towards integration. EMSO ERIC All Regions Workshop. 9-11 October 2017, Rome

Postér

PUBLICACIÓN: ADD PAPERS

132. GAVRILOVIC A., CUKROV N., ŠTIFANIĆ M., IVEŠA N., CUKROV NE., CUKROV NU., OMANOVIC D., DANOVARO R., MARINI S., **AGUZZI J.** 2017. Potential new Croatian coastal sites for the development of the EMSO video-based ecological monitoring strategy. European Multi-disciplinary Seafloor and water-column Observatories (EMSO). Challenges and Opportunities towards integration. EMSO ERIC All Regions Workshop. 9-11 October 2017, Rome

Postér

PUBLICACIÓN: ADD PAPERS

131. **AGUZZI J.**, THOMSEN L., DANOVARO R., FANELLI E., MARINI S., DE LEO F., JUNIPER K.S., DEL RÍO J., COMPANY J.B., WITHMORE D., COSTA C. 2017. Cabled observatory networks for the monitoring of ecosystem functioning and services. European Multi-disciplinary Seafloor and water-column Observatories (EMSO). Challenges and Opportunities towards integration. EMSO ERIC All Regions Workshop. 9-11 October 2017, Rome.

Postér

PUBLICACIÓN: ADD PAPERS

130. **AGUZZI J.**, FANELLI E., MARINI S., DEL RÍO J. 2017. FISH OUT Project outcomes. FIXO3 Meeting. 27-28 June 2017. SARTI, Vilanova I la Gertrú (Spain).

Comunicación

PUBLICACIÓN: ADD PAPERS

129. GARCÍA J.A., NAVARRO J., **AGUZZI J.**, COMPANY J.B. 2017. Temporal trend of the fishing niche habitat of *Nephrops norvegicus* (L.) in the Northwestern Mediterranean Sea. Colloquium Crustacea Decapoda Mediterranea (CCDM). 20-24 June, CosmoCaixa Museum (Barcelona, Spain).

Postér

PUBLICACIÓN: Actas del Congreso

128. MASMITJA I., BOUVET P.J., GOMARÍTZ S., **AGUZZI J.**, DEL RÍO J. 2017. Underwater mobile target tracking with particle filter using an autonomous vehicle. OCEANS IEEE/MTS Aberdeen. "OCEANS 2017 - Aberdeen: 19-22 June 2017". Institute of Electrical and Electronics Engineers (IEEE)
Comunicación
PUBLICACIÓN: Actas del Congreso
127. MASMITJA I., BOUVET P.J., GOMARÍTZ S., **AGUZZI J.**, DEL RÍO J. 2017. Accuracy and precision studies for range-only underwater target tracking in shallow waters. 22nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing SUPPORTING WORLD DEVELOPMENT THROUGH ELECTRICAL & ELECTRONIC MEASUREMENTS IASI. 14-15 de Setiembre, 2017. Romania
Comunicación
PUBLICACIÓN: Actas del Congreso
126. SBRAGAGLIA V., **AGUZZI J.** 2016. Molecular and social modulation of biological rhythms in the Norway lobster (*Nephrops norvegicus*). 1^{er} Congreso conjunto de Unione Zoologica Italiana (UZI) y Societá Italiana di Biogeopgrafia (SIB). 30 Agosto-2 Setiembre, 2016. Univeritá degli Studi della Bicocca, Milano (Italia).
Comunicación
PUBLICACIÓN: Actas del Congreso
125. GARCÍA J.A., COMPANY J.B., AGUZZI J., GORELLI G. 2016. Integrating data from vessel monitoring system and fish landings in Mediterranean small fleets using PostgresQL database with PostGIS extension. 16th International Workshop on Marine Technology (MarTech '16). 27th and 28th October 2016. Instituto de Ciencias del Mar (ICM-CSIC), Barcelona, Spain.
Comunicación
PUBLICACIÓN: Actas del Congreso
124. COCO S., SBRAGAGLIA V., FANELLI E., AZZURRO E., MARINI S., ENGUIDANOS S., DEL RÍO J., NOGUERAS M., TOMA D., PONTI M., **AGUZZI J.** 2016. Video monitoring of Sparidae temporal rhythms: Three-year study by OBSEA cabled observatory. 16th International Workshop on Marine Technology (MarTech '16). 27th and 28th October 2016. Instituto de Ciencias del Mar (ICM-CSIC), Barcelona, Spain.
Comunicación
PUBLICACIÓN: Actas del Congreso
123. CHATZIEVANGELOU D., THOMSEN L., PURSER A., DOYA C., **AGUZZI J.**, SCHWENDNER J., DUDA A., BEST M.M.R, DE LEO F., JUNIPER S.K. 2016. 5 Year-long Monitoring of Barkley Canyon Cold-seeps with the Internet Operated Deep-sea Crawler "Wally". 16th International Workshop on Marine Technology (MarTech '16). 27th and 28th October 2016. Instituto de Ciencias del Mar (ICM-CSIC), Barcelona, Spain.
Comunicación
PUBLICACIÓN: Chatzievangelou et al., 2016. PLOS-1 Accepted
122. MARINI S., AZZURRO E., COCO S., DEL RIO J., ENGUÍDANOS S., FANELLI E., NOGUERAS M., SBRAGAGLIA V., TOMA D., **AGUZZI J.** 2016. Automatic fish counting from underwater video images: performance estimation and evaluation. 16th International Workshop on Marine Technology (MarTech '16). 27th and 28th October 2016. Instituto de Ciencias del Mar (ICM-CSIC), Barcelona, Spain.

Comunicación

PUBLICACIÓN: Actas del Congreso

121. BAHAMON, N., AHUMADA, M.A., BERNARDELLO, R., **AGUZZI, J.**, CARRERAS, G., CRUZADO, A. 2016. Seven years of monitoring marine environmental changes at OOCS stations. 16th International Workshop on Marine Technology (MarTech '16). 27th and 28th October 2016. Instituto de Ciencias del Mar (ICM-CSIC), Barcelona, Spain.

Comunicación

PUBLICACIÓN: Actas del Congreso

120. GARCIA J.A., MASIP D., SBRAGAGLIA V., **AGUZZI J.** 2016. Using ORB, BoW and SVM to identify and track tagged Norway lobster *Nephrops Norvegicus* (L.). 16th International Workshop on Marine Technology (MarTech '16). 27th and 28th October 2016. Instituto de Ciencias del Mar (ICM-CSIC), Barcelona, Spain.

Comunicación

PUBLICACIÓN: Actas del Congreso

119. GARCIA J.A., MASIP D., SBRAGAGLIA V., **AGUZZI J.** 2016. A comparative evaluation of computer vision methods applied to *Nephrops norvegicus* (L.) identification and tracking. 19th International Conference of the Catalan Association for Artificial Intelligence (CCIA). 19-21 October. Universitat Pompeu Fabra (Barcelona, Spain).

Comunicación

PUBLICACIÓN: Sbragaglia et al., 2015. J. Exp. Mar. Biol. Ecol. 446: 177-185.

118. DE LEO F., FLUREY A., SMITH C., LEVIN L., **AGUZZI J.** 2016. Early benthic successional processes at implanted substrates in Barkley Submarine Canyon affected by a permanent oxygen minimum zone. 3rd INCISE Submarine Canyon Symposium. 25-27 July. Hotel Grand Pacific (Victoria, BC, Canada).

Comunicación

PUBLICACIÓN: Actas del Congreso

117. CHATZIEVANGELOU D., DOYA C., MIHÁLY S., SASTRI A.R., THOMSEN L., **AGUZZI J.** 2016. High-frequency patterns in the abundance of benthic species near a cold-seep – An Internet Operated Vehicle application. 3rd INCISE Submarine Canyon Symposium. 25-27 July. Hotel Grand Pacific (Victoria, BC, Canada).

Comunicación

PUBLICACIÓN: Actas del Congreso; Chatzievangelou et al., 2016. 11(10): e0163808.

116. OGSTON A., THOMSEN L., **AGUZZI J.**, COSTA C., DE LEO F.C. 2016. Sediment dynamics within Barkley Canyon: impact of dynamical processes on particles in suspension and their potential sources. Yearly epibenthic megafaunal community dynamics at a cold seep (Barkley Canyon) using a tracked Sea Crawler. 3rd INCISE Submarine Canyon Symposium. 25-27 July. Hotel Grand Pacific (Victoria, BC, Canada).

Comunicación

PUBLICACIÓN: Actas del Congreso; Thomsen et al., 2016. Submitted to Science.

115. DOYA C., CHATZIEVANGELOU D., BAHAMON N., PURSER A., DE LEO F., JUNIPER K., THOMSEN L., **AGUZZI J.** 2016. Yearly epibenthic megafaunal community dynamics at a cold seep (Barkley Canyon) using a tracked Sea Crawler. 3rd INCISE Submarine Canyon Symposium. 25-27 July. Hotel Grand Pacific (Victoria, BC, Canada).

Comunicación

PUBLICACIÓN: Actas del Congreso; Doya et al., 2017. PLoS ONE.

114. FANELLI E., **AGUZZI J.**, CIUFFARDI T., CRAIG J., RICCOBENE G., CAPONE A. (and the KM3Net PEOPLE). 2015. Inertial bioluminescence rhythms at the Central Mediterranean KM3NeT deep-sea neutrino telescope. 41th Sea Commission Internationale pour l'Exploration Scientifique de la Méditerranée (CIESM) Congress. 12-16 September 2016. Christian Albrechts University (Kiel, Germany).
Comunicación
PUBLICACIÓN: Actas del Congreso; Aguzzi et al., 2016. Submitted to Scientific Reports
113. DE LEO F., SMITH. C., LEVIN L., FLEURY A., **AGUZZI J.** 2016. Early benthic successional processes at implanted substrates in Barkley Submarine Canyon affected by a permanent oxygen minimum zone. Ocean Sciences Meeting of the American Geophysical Union (AGU). 1-26 February 2016. Morial Convention Center (New Orleans, LA USA).
Comunicación
PUBLICACIÓN: Actas del Congreso
112. THOMSEN L., PURSER A., CHATIZEVANGELOU D., **AGUZZI J.**, DOYA C., 2016. Five years in Barkley Canyon with a mobile robot: Time series studies of benthos and habitat dynamics. BioLunch Seminars, 19 January 2016. University of Washington (Seattle, WA USA).
Conferencia Invitada
PUBLICACIÓN: Actas de la Reunión; Chatzievanghelou et al., 2016. PLoS ONE 11(10): e0163808.
111. **AGUZZI J.**, COMPANY J.B., DOYA C. K. JUNIPER, DE LEO F., PURSER A., COSTA C. CHATZIEVANGELOU D., FURUSHIMA Y., FUJIWARA Y., MATABOS M., DEL RÍO J., GOMARIZ S., MARINI S., FANELLI E., FAVALI P., AND THOMSEN L. 2015. Networks of coordinated video-observatories as step forward in ecosystem monitoring. Barkley Canyon Refresh Workshop. 5-9 Octubre 2015. University of Victoria (Victoria, BC Canada).
Conferencia Invitada
PUBLICACIÓN: Actas de la Reunión; Danovaro et al. 2017. Science.
110. MECO A., FERNANDEZ-ARCAYA U., RAMIREZ-LLODRA E., **AGUZZI J.**, COMPANY J.B. 2015. Community composition and distribution of non-crustacean invertebrates in bathyal areas of the north-western Mediterranean Sea. 14th International Deep-Sea Symposium (DSBS). 31 August-4 September 2015. University of Aveiro, Aveiro (Portugal).
Postér
PUBLICACIÓN: Actas del Congreso
109. AYMA A., **AGUZZI J.**, CANALS M., COMPANY J.B., LASTRAS G., MECO A. 2015. Visual faunistic exploration of deep-sea habitats in the north-western Mediterranean submarine canyons. 14th International Deep-Sea Symposium (DSBS). 31 August-4 September 2015. University of Aveiro, Aveiro (Portugal).
Postér
PUBLICACIÓN: Ayma et al., 2016 Deep-Sea Res. I. 114: 149-159.
108. FERNANDEZ-ARCAYA, U., COMPANY, B., **AGUZZI J.**, BAHAMON, N., RAMIUREZ-LLODRA E. 2015. Where are the post larvae of deep-sea megafauna species? The western Mediterranean case study. 14th International Deep-Sea Symposium (DSBS). 31 August-4 September 2015. University of Aveiro, Aveiro (Portugal).
Comunicación
PUBLICACIÓN: Actas del Congreso

107. DOYA C., **AGUZZI J.**, FURISHIMA Y., FUJIWARA Y., COMPANY, JB. 2015. Species succession and activity rhythms at a whale-fall ecosystem in Japanese waters. 14th International Deep-Sea Symposium (DSBS). 31 August-4 September 2015. University of Aveiro, Aveiro (Portugal).
Comunicación
PUBLICACIÓN: Actas del Congreso; Doya et al., 2017. PLoS ONE.
106. **AGUZZI J.** 2015. Mediterranean Deep-sea ecosystems: New monitoring technologies. 1st Mediterranean Deep-Sea Ecosystems. Meeting, Agence des Aires Marines Protégées of France (AFFAM) from the International Union for Conservation of Nature (IUCN). September 9-10. Endoume-IMBE Marione Station, Marseille (France).
Conferencia Invitada
PUBLICACIÓN: Actas de la Reunión; Informe de Asesoramiento Científico (en fase de Redacción).
105. JUNIPER K.S., DE LEO CABRERA F., **AGUZZI J.**, SARRAZIN J., MATABOS M., GROSSMANN M., MITRAIA S., THOMSEN L. 2015. Cabled ocean observatories as tools for studying biodiversity change. Blue Planet Symposium. 27-29 May 2015. Hilton Cairns Hotel, Cairns (Queensland, Australia).
Comunicación
PUBLICACIÓN: Aguzzi et al., 2015. Rev. Fish Biol. Fisher. 25: 463-483.
104. MECO A. FERNANDEZ-ARCAYA U., RAMIREZ-LLODRA E., AGUZZI J., COMPANY J.B. 2015. Reproductive biology of the sea star *Ceramaster grenadensis* from the deep northwestern Mediterranean Sea. 15th international Echinoderm Conference. 25-29 March 2015. Paya del Carmen (Mexico).
Comunicación
PUBLICACIÓN: Mecho et al., 2015. Scientia Marina 78(2): 281-302
103. MECO A. FERNANDEZ-ARCAYA U., RAMIREZ-LLODRA E., AGUZZI J., COMPANY J.B. 2015. Echinoderms from the deep coneitnal slope and submarine canyons in the Nort-western Mediterranean Sea.. 15th international Echinoderm Conference. 25-29 March 2015. Paya del Carmen (Mexico).
Comunicación
PUBLICACIÓN: Mecho et al., 2015. Scientia Marina 78(2): 281-302
102. SANTAMARIA G., MARTINI S., **AGUZZI J.**, DEL RIO J., SBRAGAGLIA V., TOMA D., FERRARIS J., PONTON D. 2015. OBSEA multi-sensors observatory highlights biological communities and activity over time. 27th International Congress for Conservation Biology 4th European Congress for Conservation Biology (ICCB). 2-6 August 2015. The Corum Conferences Center, Montpellier (France).
Postér
PUBLICACIÓN: Actas del Congreso; Aguzzi et al., 2015. Rev. Fish Biol. Fisher. 25: 463-483.
101. LOCITANI M., FAVALI P., BERANZOLI L., CARMISCIANO C., MUCCINI F., STROOBANT M., DELFANTI, R., FANELLI, E., GRIFFA, A., **AGUZZI J.**, CIUFFARDI T., COCITO S., MARINI S. 2014. Investigating the mediterranean by seafloor observations: The eastern branch of the EMSO Ligurian Sea node. OCEANS'15 Discovery suitable ocean energy for a new world. (MTS/IEEE). May 18-21 2015. Cotton Warehouse Conference Centre, Genova (Italy).
Comunicación
PUBLICACIÓN: Proceeding of the OCEANS 2015 IEEE-Genova: 1-6 (DOI: 10.1109/OCEANS-Genova.2015.7271590)

100. PURSER A., KWASNITSCHKA T., DUDA T., SCHWENDNER J., BAMBERG M., SOHL F., DOYA C., **AGUZZI J.**, BEST M., CAMPANYA I LLOVET N., SCHERWATH M., THOMSEN L. 2015. Using mobile, internet connected deep sea crawlers for spatial and temporal analysis of cold seep ecosystems and the collection of real-time classroom data for extreme environment education. European Geosciences Union General Assembly 2015. 12-17 April 2015. Austria Center Vienna (ACV), Vienna (Austria).
Comunicación
PUBLICACIÓN: Actas del Congresso
99. PURSER A., THOMSEN L., RUNE O., **AGUZZI J.**, DOYA C. 2015. Spatial and temporal seafloor and water column monitoring with tracked benthic crawlers. Association for the Sciences of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting 2015. February 22-27 2015. Granada Congress and Exhibition Centre, Granada (Spain).
Comunicación
PUBLICACIÓN: Actas del Congresso
98. **AGUZZI J.**, COMPANY J.B., FAVALI P., THOMSEN L., PURSER A., SIMEONE F., COSTA C., FANELLI E., DEL RÍO J. 2014. Intelligent cabled and autonomous observatory networks for the long-term environmental monitoring. 2nd International Ocean Research Conference (UNESCO). 17-21 November 2014. Centre de Convencions Internacional de Barcelona (CCIB), Barcelona (Spain).
Comunicación
PUBLICACIÓN: Aguzzi et al., 2015. Rev. Fish Biol. Fisher., 25: 463-483.
97. MECO A., RAMIREZ-LLODRA E., **AGUZZI J.**, SARDÀ F., COMPANY J.B. 2014. Benthic fauna in the submarine canyons of the north-western Mediterranean Sea. 2nd International symposium on submarine Canyons, hosted by the British Geological Survey. 29 September-1 October 2014. Kings Building Campus, Edinburgh (UK).
Postér
PUBLICACIÓN: Mecho et al., 2015. Sci. Mar. 78(2): 281-302
96. MAZZEI L., MARINI S., CRAIG J., **AGUZZI J.**, FANELLI E., PRIEDE I.G. 2014. Automated video imaging system for counting Deep-sea bioluminescence organisms events. International Conference on Pattern Recognition (ICPR), Workshop: Computer Vision for Analysis of Underwater Imagery (CVAUI). 24 August 2014. University of Stockholm, Stockholm (Sweden).
Comunicación
PUBLICACIÓN: Proceedings of the Computer Vision for Analysis of Underwater Imagery (CVAUI), 2014 ICPR Workshop IEEE-Stockholm: 57-64 (DOI: 10.1109/CVAUI.2014.15; ISBN: 978-1-4799-6709-4)
95. SBAGAGLIA V., **AGUZZI J.**, GARCÍA J.A., ARIAS A., BREITHAUP T. 2014. The formation and maintenance of dominance hierarchies in *Nephrops norvegicus*: does it influence the burrow emergence rhythm? XV Congreso Nacional y XII Iberoamericano de la Sociedad Española de Etología. 3-5 September 2014. Zoological Museum, Barcelona (Spain).
Postér
PUBLICACIÓN: Actas del Congresso
94. DOYA C., **AGUZZI J.**, AUTUN P., THOMSEN L., COMPANY J.B. 2014. A year in a cold-seep ecosystem (NEPTUNE-Canada): A time-series of megafaunal dynamics monitored by crawler. XV Congreso Nacional y XII Iberoamericano de la Sociedad Española de Etología. 3-5 September 2014. Zoological Museum, Barcelona (Spain).
Postér

PUBLICACIÓN: Doya et al., 2014. Journal of Marine Systems 130: 69-78

93. SBRAGAGLIA V., AGUZZI J., GARCÍA J.A., ARIAS A., BREITHAUPT T. 2014. The effect of agonistic interactions on the burrow emergence rhythm of the Norway lobster (*Nephrops norvegicus* L.). Annual meeting of the Society of Experimental Biology (SEB). 1-4 July 2014. Charles Darwin House, Manchester (UK).

Comunicación

PUBLICACIÓN: Actas del Congresso

92. AGUZZI J., FANELLI E., THOMSEN L., MEREDITH P., FAVALI P., TECCHIO S., AZZURRO E., DOYA C., COSTA C., COMPANY J.B., PURSER A., FUJIWHARA Y., DEL RÍO F., BOON S., TUNNICLIFFE V. 2014 The cabled observatory as an advanced tool for long-term study of benthic communities. Association for the Sciences of Limnology and Oceanography (ASLO) Ocean Science Meeting 2014. February 23-28 2014. Hawaii Convention Center, Honolulu (Hawaii, USA).

Postér

PUBLICACIÓN: Aguzzi et al., 2015. Rev. Fish Biol. Fisher., 25: 463-483.

91. AGUZZI J., MEREDITH P., BOONE S., COMPANY J.B., COSTA C., MENESATTI P., RICCOBENE G., GIOVANETTI G., BERANZOLI L., FAVALI P. 2013. The next expansion of NEMO-SN1, EMSO node, by video imaging equipment for the monitoring of the local deep-sea communities. European Multidisciplinary Seafloor Observatories (EMSO) Symposium: Challenges and Progress. 13 November 2013. Istituto Nazionale di Geofisica e Vulcanologia (INGV), Roma (Italy).

Postér

PUBLICACIÓN: Actas del Congresso

90. FANELLI E., CIUFFARDI T., MARINI S., AGUZZI J., COCITO S., DELFANTI R., GRIFFA A., PEIRANO A., PICCO P., VETRANO A., STROOBANT M., MARINI D., MARTINELLI A., BERANZOLI L., LOCITANI M., CARMISCIANO C., FAVALI P. 2013. The Italian contribution to the EMSO Ligurian Sea node. European Multidisciplinary Seafloor Observatories (EMSO) Symposium: Challenges and Progress. 13 November 2013. Istituto Nazionale di Geofisica e Vulcanologia (INGV), Roma (Italy).

Postér

PUBLICACIÓN: Actas del Congresso

89. DOYA C., AGUZZI J., AUTUN P., THOMSEN L., COMPANY J.B. 2013. First megafaunal diel and seasonal deep-sea monitoring by crawler within methane Barkley canyon (NEPTUNE-Canada). European Multidisciplinary Seafloor Observatories (EMSO) Symposium: Challenges and Progress. 13 November 2013. Istituto Nazionale di Geofisica e Vulcanologia (INGV), Roma (Italy).

Postér

PUBLICACIÓN: Actas del Congresso

88. AGUZZI J., DOYA C., COSTA C., COMPANY J.B., MENESATTI P., TUNNICLIFFE V., MANUÉL A., DEL RÍO J., FAVALI P., FUJIWHARA Y., THOMSEN L., AUTUN P., CUVELIER D., ARON M., SARRAZIN J. 2013. The faunistic, ethological, and ecological cabled observatory video monitoring of marine communities everywhere. European Multidisciplinary Seafloor Observatories (EMSO) Symposium: Challenges and Progress. 13 November 2013. Istituto Nazionale di Geofisica e Vulcanologia (INGV), Roma (Italy).

Postér

PUBLICACIÓN: Aguzzi et al., 2012. Ocean. Mar. Biol. (OMBAR) 50: 233-284

87. BGHIEL I., DEL RIO J., HIDALGO A., TOMA D.M., MÀNUEL A., **AGUZZI J.** (PERO FALTA MI NOMBRE) 2013. Preliminary results of the OBSEA Citizen Science Project. 9-11 October 2013. 5th International Workshop on Marine Technology (MarTech '13). 9-11 October 2013. Girona Scientific and Technological Park, Universidad de Girona, Girona (Spain).
Comunicación
PUBLICACIÓN: Actas del Congresso
86. ARON M., CUVELIER D., **AGUZZI J.**, COSTA C., DOYA C., SARRAZIN J., SARRADIN P.M. 2013. Preliminary results on automated video-imaging for the study of behavioural rhythms of tubeworms from the TEMPO-mini ecological module (NEPTUNE, Canada). 5th International Workshop on Marine Technology (MarTech '13). 9-11 October 2013. Girona Scientific and Technological Park, Universidad de Girona, Girona (Spain).
Postér
PUBLICACIÓN: Actas del Congresso
85. SANTAMARIA G., **AGUZZI J.**, SBRAGAGLIA V., DEL RÍO J., NOGUERAS M., MÀNUEL A., SARDÀ F. 2013. Day-night and seasonal fish remote monitoring by OBSEA. 5th International Workshop on Marine Technology (MarTech '13). 9-11 October 2013. Girona Scientific and Technological Park, Universidad de Girona, Girona (Spain).
Postér
PUBLICACIÓN: Del Río et al., 2014. Sensors-Basel 13: 14740-14753.
84. SBRAGAGLIA V., **AGUZZI J.**, GARCÍA J.A., SARRIÀ D., GOMARITZ S., COSTA C., MENESATTI P., MANUÉL A., MECO A., SARDÀ F. 2013. The effect of water flow on Norway lobster burrow emergence. 40th Sea Commission Internationale pour l'Exploration Scientifique de la Méditerranée (CIESM) Congress. 28 October-1 November 2013. Le Palais du Pharo, Marseille (France).
Comunicación (<http://www.ciesm.org/online/archives/abstracts/pdf/40/index.php>)
PUBLICACIÓN: Sbragaglia et al., 2013. Exp. Mar. Biol. Ecol. 446: 177-185
83. MECHÓ A., RAMIREZ-LLODRA E., **AGUZZI J.**, COMPANY J.B. 2013. Community composition, distribution and diversity of invertebrates of from deep- sea Mediterranean canyons and adjacent slopes (from 850 to 3000 m depth). 40th Sea Commission Internationale pour l'Exploration Scientifique de la Méditerranée (CIESM) Congress. 28 October-1 November 2013. Le Palais du Pharo, Marseille (France).
Comunicación (<http://www.ciesm.org/online/archives/abstracts/pdf/40/index.php>)
PUBLICACIÓN: Mecho et al., 2014. Sci. Mar. 78(2): 281-302
82. DOYA C., **AGUZZI J.**, COMPANY J.B. 2013. A preliminary study on the effect of earthquakes in abundances of flatfish, ghost shrimps and Squat lobsters on Saanich Inlet. 11th International Conference on Aquatic Ecosystems at the Edge: Managing for Sustainability. Aquatic Ecosystem Health and Management Society (AEHMS). 17-20 June 2013. Victoria Conference Centre, Victoria (Canada).
Comunicación
PUBLICACIÓN: Doya et al., 2014. J. Mar. Syst. 130: 69-78
81. DOYA C., **AGUZZI J.**, PURSER A., THOMPSEN L., COMPANY J.B.; MATABOS M. 2013. A diel and seasonal deep-sea faunal monitoring by crawler within the Barkely canyon (NEPTUNE-Canada). 5th International Symposium on Chemosynthesis-Based Ecosystems (CBE-5). 18-23 August 2013. University of Victoria, Victoria (Canada).
Comunicación
PUBLICACIÓN: Actas del Congreso

80. DOYA C., **AGUZZI J.**, MATABOS M., COMPANY J.B., COSTA C., MIHALY S. 2013. Diel nekto-benthic displacements of the sablefish, *Anoplopoma fimbria*, within the Barkley canyon (Neptune-Canada). 2013 Annual Symposium of the Fisheries Society of the British Isles (FSBI)-Deep sea fish Biology. 8-11 July 2013. University of Glasgow, Glasgow (UK).
Postér
PUBLICACIÓN: Doya et al., 2014. J. Mar. Syst. 130: 69-78
79. DEL RIO J., **AGUZZI J.**, HIDALGO A., MANUEL A., NOGUERAS M., SBRAGAGLIA V., SARDÀ F. 2013. Citizen Science and marine community monitoring by video-cabled observatories: the OBSEA Citizen Science Project. International Symposium on Underwater Technology (UT13). 5-8 March 2013. IIS Conference Hall "Haricot", Tokyo (Japan)
Postér
PUBLICACIÓN: Proceeding of the UT-13 IEEE-Tokyo: 1-3 (DOI: 978-1-4673-5948-1/13; ISSN: 0364-9059)
78. SBRAGAGLIA V., **AGUZZI J.**, SANTAMARIA G., MANUEL A., DEL RIO J., NOGUERAS M., SARDÀ F. 2013. The use of coastal cabled video-observatories to monitor seasonal changes in fish community composition. International Symposium on Underwater Technology (UT13). 5-8 March 2013. IIS Conference Hall "Haricot", Tokyo (Japan)
Postér
PUBLICACIÓN: Proceeding of the UT-13 IEEE-Tokyo: 1-3 (DOI: 978-1-4673-5948-1/13; ISSN: 0364-9059)
77. **AGUZZI J.**, COSTA C., COMPANY J.B., FUJIWHARA Y., FAVALI P., TUNNICLIFFE V., MATABOS M., CANALS M., MENSATTI P. 2013. Marine cabled observatory networks for the large-scale faunal video-monitoring and associated habitat dynamism. International Symposium on Underwater Technology (UT13). 5-8 March 2013. IIS Conference Hall "Haricot", Tokyo (Japan).
Comunicación
PUBLICACIÓN: Proceeding of the UT-13 IEEE-Tokyo: 1-3 (DOI: 978-1-4673-5948-1/13; ISSN: 0364-9059)
76. MECHÓ A., BILLET D., RAMÍREZ-LLODRA E., COMPANY J.B., **AGUZZI J.** 2012. Rediscovered species and new bathymetrical ranges of bathial echinoderms in the Western Mediterranean Sea. 13th International Deep-Sea Symposium. 3-7 December 2012. Wellington (New Zealand).
Postér
PUBLICACIÓN: Mecho et al., 2014. Sci. Mar. 78(2): 281-302
75. DOYA C., PARDO M., **AGUZZI J.**, MATABOS M., MIHALY S., COMPANY J.B., COSTA C., MENESATTI P., CANALS M., RAMÍREZ E. 2012. Day-night and internal-tidal activity rhythms in Deep-Sea black cods (*Anoplopoma fimbria*) and hagfish (*Licenchelys* sp.) of Barkley Canyon (Canada). 13th International Deep-Sea Symposium. 3-7 December 2012. Wellington (New Zealand).
Postér
PUBLICACIÓN: Doya et al. 2014. J. Mar. Syst. 130: 69-78
74. SBRAGAGLIA V., **AGUZZI J.**, GARCÍA J.A., VILARÓ M., SARDÀ F., SARRIÀ D., GOMÁRIZ S., MANUEL A., COSTA C., MENESATTI P., RAMIREZ-LORDA E. 2012. Simulated Deep-Sea hydrodynamic regimes modulate *Nephrops norvegicus* burrow

emergence. 13th International Deep-Sea Symposium. 3-7 December 2012. Wellington (New Zealand).

Postér

PUBLICACIÓN: Sbragaglia et al., 2014. Mar. Biol. 162: 2007-2016.

73. **AGUZZI J.**, COMPANY J.B., COSTA C., MENESATTI P., FAVALI P., TUNNICLIFFE V., MATABOS M., MANUÈL A., CANALS M., FUJIWARA Y. 2102. Cabled marine observatory networks for the large-scale video monitoring of marine communities and their dynamism. Seminars on “Seafloor Observatories: Cutting-edge Technology and Science”. 25-28 Junio 2012. Istituto Nazionale di Geofisica e Vulcanologia-INGV (Italy).

Conferencia Invitada

72. TUBAU X, LASTRAS G., CANALS M., COMPANY J.B., **AGUZZI J.**, RAYO X. 2012. Anthropogenic impacts in the deep north Catalan canyons from ROV observations. Hermione Final Meeting. 8-10 May 2012. Marine Science Institute (ICM-CSIC), Barcelona (Spain).

Comunicación

PUBLICACIÓN: Actas del Congreso

71. PALMAS F., **AGUZZI J.**, COMPANY J.B., CAU A., DEIANA G., LOCCI I., OLITA A., ORRÙ P., SABATINI A. Diel behavior ferom temporally scheduled hauling of the red shrimp *Aristeus antennatus* and *Aristeomorpha foliacea* in the Spartivento Canyon (Sardinia, Italy). 10th Colloquium Crustacea Decapoda Mediterranea (CCDM). 03-07 June 2012. Royal Olympic Hotel, Athens (Greece).

Comunicación

PUBLICACIÓN: Actas del Congreso

70. SARRIÀ D., GOMÁRIZ S., MÀNUEL A., C. ATERO, **AGUZZI J.**, SBRAGAGLIA V., GARCÍA J.A, SARDÀ F. 2012. A novel day-night and tides-simulating video-actographic system for studying the behaviour of *Nephrops norvegicus* (Crustacea: Decapoda). 10th Colloquium Crustacea Decapoda Mediterranea (CCDM). 03-07 June 2012. Royal Olympic Hotel, Athens (Greece).

Comunicación

PUBLICACIÓN: Sarria et al., 2015. Measurement 69: 180-188

69. SBRAGAGLIA V., **AGUZZI J.**, GARCÍA J.A., SARRIÀ D., COSTA C., MENESATTI P., SARDÀ F., GOMÁRIZ S., CHIC O., VILARÓ M., MANUEL A. 2012. Hydrodynamic entrainment of behavioural rhythms in deep-sea benthic organisms: *Nephrops norvegicus* (Crustacea: Decapoda) as a model. 10th Colloquium Crustacea Decapoda Mediterranea (CCDM). 03-07 Junio 2012. Royal Olympic Hotel, Athens (Greece).

Comunicación

PUBLICACIÓN: Katho et al. 2013. Adv. Mar. Biol. 64: 66-106

68. JUNIPER K., MATABOS M., ROBERT K., DEAN C., **AGUZZI J.**, TUNNICLIFFE V. 2012. Study of temporal variability in benthic communities' dynamics using seafloor imagery. 2012 Ocean Sciences Meeting. 20-24 February 2012. Salt Lake City (Utah, USA).

Postér

PUBLICACIÓN: Matabos et al., 2014. J. Mar. Syst. 130: 56-68

67. SARRIÀ D., MOLINO E., DEL RÍO J., MÀNUEL A., SARDÀ F., **AGUZZI J.**, ROTLLANT G. 2011. Monitoring species using acoustic communications. OCEANS'10 Oceans of Energy for a Sustainable Future (IEEE/OES). 6-9 June 2011. Santander (Spain)

Comunicación

PUBLICACIÓN: Proceeding of the OCEANS'10 IEEE-Santander: 1-5 (ISBN 978-1-4577-0086-6)

66. SARRIÁ D., MOLINO E., ROTLLANT G., MÀNUEL A., **AGUZZI J.**, SARDÀ F. 2011. Monitoring species in artificial reefs using acoustic communications. 11th International Workshop on Marine Technology (MarTech '11). 22-23 September 2011. Facultad de Filosofía y Letras, University of Cadíz, Cadíz (Spain).

Comunicación

PUBLICACIÓN: Rottlant et al., 2014. Hydrobiologia 742: 27-38

65. COSTA C., **AGUZZI J.**, MENESATTI P., MÀNUEL A., BOGLIONE C., RAMPACCI M., SARRIÁ D., GARCÍA J.A., DEL RÍO J., SBRAGAGLIA V., CATAUDELLA S. 2011. Versatile application of RFID technology to commercial and laboratory research contexts: fresh fish supply-chain and behavioural tests. 11th International Workshop on Marine Technology (MarTech '11). 22-23 September 2011. Facultad de Filosofía y Letras, University of Cadíz, Cadíz (Spain).

Comunicación

PUBLICACIÓN: Costa et al., 2014. Food Bioproc. Technol. 6: 353-366

64. **AGUZZI J.**, COMPANY J.B., COSTA C., MENESATTI P., MATABOS M., JUNIPER K. 2011. Cabled observatory technology for the monitoring of ecosystem dynamism based on species activity rhythms. Canadian Healthy Oceans Network (CHONe) Workshop. 26 Setiembre 2011. Aberdeen Exhibition and Conference Centre, Aberdeen (UK).

Conferencia Invitada

PUBLICACIÓN: Actas del Congreso ([www. http://www.marine-biodiversity.org/uploads/files/CHONe%20Workshop%20programme.pdf](http://www.marine-biodiversity.org/uploads/files/CHONe%20Workshop%20programme.pdf))

DOI: 10.13140/RG.2.2.27060.04485

63. **AGUZZI J.**, COMPANY J.B., COSTA C., MENESATTI P. 2011. Cabled observatories video-imaging for the study of behavioural rhythms in deep-sea species. Mesh Atlantic Video Survey Techniques Workshop – All the way from image acquisition to habitat mapping. 20-22 Junio 2011. University of Algarve, Faro (Portugal).

Comunicación

PUBLICACIÓN: Aguzzi et al., 2012. Ocean. Mar. Biol. (OMBAR) 50: 233-284

62. SBRAGAGLIA V., **AGUZZI J.**, GARCÍA J.A., CHIESA J.J., SARRIÁ D., MANUÈL A., DEL RÍO J., SARDÀ F. 2011. Inter-individual variability of *Nephrops norvegicus* biological rhythms and its implications in stock assessment. XI Latin American Symposium of Chronobiology (LASC). 4-5 May 2011. Choula, Puebla (Mexico).

Postér

PUBLICACIÓN: Sbragaglia et al., 2013. Sci. Mar. 77(4): 641-647

61. SBRAGAGLIA V., **AGUZZI J.**, GARCÍA J.A., CHIESA J.J., SARRIÁ D., MANUÈL A., DEL RÍO J., SARDÀ F., COSTA C. 2011. Behavioural phenotype plasticity in the Norway lobster, *Nephrops norvegicus* (L.), by new actigraphic methods. Technology into Animal Behaviour. The Association for Study of Animal Behaviour (ASAB) Easter Conference. 26-28 April 2011. Anglia Ruskin University, Cambridge (UK).

Postér

PUBLICACIÓN: Sbragaglia et al., 2013. Sci. Mar. 77(4): 641-647

60. SBRAGAGLIA V., **AGUZZI J.**, GARCÍA J.A., CHIESA J.J., SARRIÁ D., MANUÈL A., DEL RÍO J., SARDÀ F. 2011. Inter-individual and depth-related variability of *Nephrops norvegicus* biological rhythms and implications on its population assessment. World Conference on Marine Biodiversity (WCMB). 26-30 September 2011. Aberdeen Exhibition and Conference Centre, Aberdeen (UK).

Postér

PUBLICACIÓN: Sbragaglia et al., 2013. *Sci. Mar.* 77(4): 641-647

59. COSTA C., **AGUZZI J.**, ANTONUCCI F., CONDAL F., MANUÈL A.; NOGUERAS M., SARDÀ F., MENESATTI P. 2011. Analytical methods for the image processing of underwater video frames for fish community monitoring. World Conference on Marine Biodiversity (WCMB). 26-30 September 2011. Aberdeen Exhibition and Conference Centre, Aberdeen (UK).

Postér

PUBLICACIÓN: Del Rio et al., 2014. *Sensors-Basel* 13: 14740-14753

58. **AGUZZI J.**, COMPANY J.B., COSTA C., MATABOS M., AZZURRO E., MANUÈL A., MENESATTI P.; SARDÀ F., CANALS M., DELORY E., CLINE D., FAVALI P., JUNIPER S.K., FURUSHIMA Y., FUJIWARA Y. 2011. Biorhythms challenge to deep-water stock and biodiversity assessments: video-solutions from cabled observatories. World Conference on Marine Biodiversity (WCMB). 26-30 September 2011. Aberdeen Exhibition and Conference Centre, Aberdeen (UK).

Comunicación

PUBLICACIÓN: Aguzzi et al., 2012. *Ocean. Mar. Biol. (OMBAR)* 50: 233-284

57. SAVINI D., **AGUZZI J.**, MAYNOU F., MOSCHELLA P., LOMBARDI C., AZZURRO E. 2011. A student based research to detect activity rhythms in costal fishes. World Conference on Marine Biodiversity (WCMB). 26-30 September 2011. Aberdeen Exhibition and Conference Centre, Aberdeen (UK).

Comunicación

PUBLICACIÓN: Azzurro et al. 2013. *J. Mar. Biol. Ass. UK.* 93: 461-470

56. AZZURRO E., **AGUZZI J.**, MAYNOU F., MOSCHELLA P., SAVINI D. 2010. Oltre la "Citizen Science": studenti volontari ed il programma tropical signals. 1st Convegno Annuale For-Mare O.n.l.u.s. Volontariato e Ricerca nelle aree marine protette: Risultati scientifici dei corsi For-Mare 2010. 17 December 2010. University of Pavia, Pavia (Italy)

Comunicación

PUBLICACIÓN: Azzurro et al. 2013. *J. Mar. Biol. Ass. UK.* 93: 461-470

55. **AGUZZI J.**, COSTA C., MENESATTI P., COMPANY J.B. 2012. New challenges to deep-water stock and biodiversity assessments: the chronobiological scenario and automated video-imaging solutions. NOAA Fisheries Image Processing Workshop (sponsored by the Advanced Sampling Technology Working Group). 4-7 September 2010. Alaska Fisheries Science Center (NOAA facilities), Seattle (WA, USA).

Conferencia Invitada

PUBLICACIÓN: NOAA Technical Memorandum (NMFS-F/SPO-121): 22-24

54. MECHÓ A., RAMÍREZ E., **AGUZZI J.**, SARDÀ F., COMPANY J.B. 2010. Benthic and benthopelagic megafaunal invertebrates in the deep continental margin of the Mediterranean Sea. 16th Simposio Ibérico de Estudios de Biología Marina (SIEBM). 6-10 September 2010. University of Alicante (Spain).

Postér

PUBLICACIÓN: Mecho et al., 2014. *Sci. Mar.* 78(2): 281-302

53. MECHÓ A., CANALS M., RAMIREZ – LLODRA E., **AGUZZI J.**, DE MOL B., BENI L., CALAFAT A., LASTRAS G., SANCHEZ–VIDAL A., SMITH C., COMPANY J.B. 2010. Faunal characterization by ROV survey of two deep-sea demersal áreas in the Valencia Trough and the Eivissa channel (Western mediterranean Sea). 16th Simposio Ibérico de Estudios de Biología Marina (SIEBM). 6-10 September 2010. University of Alicante (Spain).

Postér

PUBLICACIÓN: Actas del Congreso

52. MATABOS M., **AGUZZI J.**, ROBERT K., COSTA C., MENESATTI P., COMPANY J.B., JUNIPER K. 2010. A preliminary multi-parametric study on behavioural modulation of demersal decapods of Saanich Inlet by VENUS platform. 12th International Deep-Sea Symposium (DSBS). 7-11 June 2010. University of Reykyavik, Reykyavík (Iceland).
Comunicación
PUBLICATION: Matabos et al., 2011. J. Exp. Mar. Biol. Ecol. 401: 89-96
51. **AGUZZI J.**, FURUSHIMA Y., CHIESA J.J., COSTA C., MENESATTI P., COMPANY J.B., FUJIWARA Y. 2010. Behavioural rhythms in deep-water continental margins and the deep-sea. 12th International Deep-Sea Symposium (DSBS). 7-11 June 2010. University of Reykyavik, Reykyavík (Iceland).
Comunicación
PUBLICATION: Aguzzi et al., 2010. Mar. Ecol. Prog. Ser. 418: 47-56
50. COLMENERO A.I., **AGUZZI J.**, BOZZANO A., LOMBARTE T. 2010. Sensory constrains in temporal segregation in two species of anglerfish (*Lophius budegassa* and *L. piscatorius*). 12th International Deep-Sea Symposium (DSBS). 7-11 June 2010. University of Reykyavik, Reykyavík (Iceland).
Comunicación
PUBLICATION: Colmenero et al., 2010. Mar. Ecol. Prog. Ser. 416: 255-265
49. MECO A., RAMIREZ L., **AGUZZI J.**, COMPANY J.B. 2010. Taxonomical composition and seasonal differences of megabenthic and benthopelagic invertebrates (non-crustaceans) in western Mediterranean open slope and canyon. 12th International Deep-Sea Symposium (DSBS). 7-11 June 2010. University of Reykyavik, Reykyavík (Iceland).
Postér
PUBLICATION: Actas del Congreso
48. MECHÓ A., RAMÍREZ E., **AGUZZI J.**, CANALS M., CALAFAT A., LASTRAS G., SANCHEZ A., SMITH, C., COMPANY J.B. 2010. Video quantitative survey of western Mediterranean open slope communities by ROV (Remote Operated Vehicle). 12th International Deep-Sea Symposium (DSBS). 7-11 June 2010. University of Reykyavik, Reykyavík (Iceland).
Postér
PUBLICATION: Actas del Congreso
47. PONS S., **AGUZZI J.**, PIERA J. 2010. Automated video-image analysis for the analysis of the behaviour of deep-water lobsters (*Nephrops norvegicus*). OCEANS'10 Sensors Applications Symposium (SAS-IEEE). 24-27 May 2010. Sydney Convention and Exhibition Centre, Sidney (Australia)-
Comunicación
PUBLICATION: Proceedings of the IEEE Sensors Applications Symposium (SAS): 1-4 (DOI: 10.1109/OCEANSSYD.2010.5603679)
46. MATABOS M., **AGUZZI J.**, ROBERT K., COSTA C., MENESATTI P., COMPANY J.B., TUNNICLIFFE V., JUNIPER K. 2010. A preliminary multi-parametric study on behavioural modulation in demersal decapods of Saanich Inlet by VENUS platform. 31st Pacific Evolution Ecology Conference (PEEC). 5-7 March 2010. Bamfield Marine Sciences Center, University of Victoria, Victoria (BC, Canada).
Comunicación
PUBLICATION: Matabos et al., 2011. J. Exp. Mar. Biol. Ecol. 401: 89-96

45. COLL M., PIRODDI C., STEENBEEK J., KASCHNER K., BEN RAIS LASRAM F., **AGUZZI J.**, BALLESTEROS E., BIANCHI C.N., CORBERA J., DAILIANIS T., DANOVARO R., DIMITRIS V., ESTRADA M., FROGLIA D., GALIL B.S., GASOLI J.M., GERTWAGEN R., GIL J., GORSKY G., GUILHAUMON F., KESNER-REYES K., KITSOS M.-S., KOUKOURAS A., LAMPADARIOU N., LAXAMANA E., LLORIS D., LÓPEZ-FÉ DE LA CUADRA C.M., LOTZE H.K., MARTIN D., MOUILLOT D., ORO D., RAICEVICH S., RIUS-BARILE J., SAIZ-SALINAS J.I., SAN VICENTE C., SOMOT S., TEMPLADO J., TURON X., VILLANUEVA R., VOULTSIADOU E. 2010. Biodiversity of the Mediterranean Sea: status, patterns and threats. 39th Sea Commission Internationale pour l'Exploration Scientifique de la Méditerranée (CIESM) Congress. 10-14 May 2010. Palazzo del Cinema and the Palazzo del Casino, Venice (Italy).
Comunicación
PUBLICACIÓN: Coll et al., 2010. PloS ONE 5(8): e11842
44. MARCH D., **AGUZZI J.** 2009. Diel behavioural rhythms of the painted comber (*Serranus scriba*) at Palma Bay Marine Reserve (western Mediterranean). ICES-CIEM Annual Science Conference (ASC). 21-25 September 2009. Estrel Convention Center, Berlin (Germany).
Comunicación
PUBLICACIÓN: Actas del Congreso
43. MAROTTA L., **AGUZZI J.** 2009. Coastal and marine landscape ecology based on marine geospatial data infrastructure for análisis of marine resources and fishing effort. International Workshop on Marine Technology (MarTech '09). 19-20 November 2009. SARTI-University Politècnica de Catalunya (UPC), Villanova i la Geltrú (Spain).
Comunicación
PUBLICACIÓN: Instrumentation Viewpoint 8 (ISSN: 1697-2562): 76
42. **AGUZZI J.**, COSTA C., COMPANY J.B., ANTONUCCI F., PALLOTTINO F., MENESATTI P., CANALI E., GIORGI S., ANGELINI C., KETMAIER V. 2009. Application of geometric-morphometric, hyperspectral imaging and molecular markers to the study of depth-driven differences in populations of Decapods (Crustacea). 9th International Workshop on Marine Technology (MarTech '09). 19-20 November 2009. SARTI-University Politècnica de Catalunya (UPC), Villanova i la Geltrú (Spain).
Comunicación
PUBLICACIÓN: Instrumentation Viewpoint 8: 73-74 (ISSN: 1697-2562)
41. COSTA C., PALLOTTINO F., ANGELINI C., PROIETTI M., CAPOCCIONI F., **AGUZZI J.**, ANTONUCCI F., MENESATTI P. 2009. Colour calibration for quantitative biological analysis: a novel automated multivariate approach. 9th International Workshop on Marine Technology (MarTech '09). 19-20 November 2009. SARTI-University Politècnica de Catalunya (UPC), Villanova i la Geltrú (Spain).
Comunicación
PUBLICACIÓN: Instrumentation Viewpoint 8: 70-71 (ISSN: 1697-2562)
40. **AGUZZI J.**, COSTA C., MENESATTI P., MANUEL A., DEL RÍO J., GARCÍA J.A., FUJIWARA Y., IWASE R. COMPANY J.B., SARDÀ F. 2009. Potential applications of automated video-image analysis in the pelagic and demersal environment including the deep-sea. 9th International Workshop on Marine Technology (MarTech '09). 19-20 November 2009. SARTI-University Politècnica de Catalunya (UPC), Villanova i la Geltrú (Spain).
Comunicación

PUBLICACIÓN: Instrumentation Viewpoint 8: 72-73 (ISSN: 1697-2562); Aguzzi et al., 2009. Sensors-Basel 9: 8438-8455

- 39 PONS S., **AGUZZI J.**, PIERA J. 2009. Automated video-image analysis for the analysis of the behaviour of deep-water lobsters (*Nephrops norvegicus*). 9th International Workshop on Marine Technology (MarTech '09). 19-20 November 2009. SARTI-University Politècnica de Catalunya (UPC), Villanova i la Geltrú (Spain).
Comunicación
PUBLICATION: Instrumentation Viewpoint 8: 77-78(ISSN: 1697-2562)
38. CAPOCCIONI F., COSTA C., MENESATTI P., LOMBARTE T., **AGUZZI J.**, CICCOTTI E. 2009. Otolith growth allometry measurements in the European eel. 9th International Workshop on Marine Technology (MarTech '09). 19-20 November 2009. SARTI-University Politècnica de Catalunya (UPC), Villanova i la Geltrú (Spain).
Comunicación
PUBLICATION: Instrumentation Viewpoint 8: 71-72 (ISSN: 1697-2562); Capoccioni et al., 2010. J. Exp. Mar. Biol. Ecol. 397: 1-7
37. CHIESA J.J., **AGUZZI J.**, GARCÍA, J.A., DE LA IGLESIA H., SARDÀ F. 2009. The entrainment of deep-water benthic species to monochromatic light intensity cycles mimicking increasing depths: the case of the Norway lobster, *Nephrops norvegicus* (Crustacea: Decapoda). X Latin American Symposium on Chronobiology (LASC). 21-24 October 2009. Eurosol Tibau (Pipa) Resort, Natal (RN, Brasil).
Postér
PUBLICATION: Chiesa et al., 2010. J. Biol. Rhyt. 25: 277-287
36. **AGUZZI J.**, VITALI A., D'ANDREA S., CAVALIERI A., MENESATTI P. 2009 Variation of milk yield in relation to temperature humidity index in different dairy cow housing systems: a preliminary Time-lagged approach. Annual Meeting of the European Federation of Animal Science (EAAP). 24-27 August 2009. Fira de Barcelona, Barcelona (Spain)
Postér
PUBLICATION: EAAP Book of Abstract n. 15: 118 (ISSN 1382-6077; ISBN: 978-90-8686-121-7)
35. SARRIÀ D., DEL RIO J., MANUEL A., **AGUZZI J.**, SARDÀ F. 2009. A new tracking system to study the behaviour of species. 19th Symposium exploring new frontiers of Instrumentation and Methods for Electrical and Electronic Measurements (IMEKO TC9). Septiembre 6-11 2009. FIL Meeting Centre, Lisboa (Portugal).
Comunicación
PUBLICATION: Proceedings of the 16th IMEKO TC9 Symposiums: 1645-1648 (ISBN: 978-963-88410-0-1)
34. **AGUZZI J.**, MENESATTI P., COSTA C., RAMIREZ-LLORDA E., COMPANY J.B., FUJIWARA Y. 2009. Activity rhythms in deep sea fauna from Sagami Bay (Japan) by a novel protocol of automated video image analysis. 4th International Symposium on Chemosynthesis-Based Ecosystems-Hydrothermal Vents, Seeps and Other Reducing Habitats. 29 June-3 July 2009. Bankoku Shinryokan, Nago City. Okinawa (Japan).
Comunicación
PUBLICATION: Aguzzi et al., 2009. Sensors-Basel 9: 8438-8455
33. SARRIÀ D., DEL RIO J., MANUEL A., **AGUZZI J.**, SARDÀ F. 2009. Studying the behavior of Norway lobster using RFID and Infrared tracking technologies. OCEANS'09;

Sensors Applications Symposium (SAS-IEEE). 11-14 May 2009. Center for Marine Environmental Science, Bremen (Alemania).

Comunicación

PUBLICACIÓN: Proceeding of the OCEANS'09 IEEE Bremen: 1-4 (DOI: 10.1109/OCEANSE.2009.5278280)

32. MAROTTA L., **AGUZZI J.**, BAHAMON N., CECCARONI L. 2008. Emeryg and *Nephrops* fishery. Littoral Conference: A Changing Coast. Challenge for the Environmental Policies. EUCC and EUROCOAST. 25-28 Noviembre 2008. University of Venezia, Venezia (Italy).

Comunicación

PUBLICACIÓN: Littoral: 216-222 (ISBN: 88-89405-04-X)

31. SARRIÁ D., DEL RIO J., MANUEL A., **AGUZZI J.**, GARCÍA J.A., SARDÀ F. 2008. Actographic detection system based on infrared and computer vision technologies to measure the behaviour of species. 16th Symposium exploring new frontiers of Instrumentation and Methods for Electrical and Electronic Measurements (IMEKO TC4). 22-24 September 2008. University of Firenze, Firenze (Italia).

Postér

PUBLICACIÓN: Proceedings of the 16th IMEKO TC4 Symposium: Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements: 1-5 (ISBN: 978-1-4244-2523-5)

30. **AGUZZI J.**, GARCÍA J.A., SARDÀ F., SARRIÁ D., DEL RIO J., MANUEL A. 2008. The measurement of door-keeping and emergence diel rhythms in the Norway lobster, *Nephrops norvegicus* (L.) by a new tracking system. 9th Colloquium Crustacea Decapoda Mediterranea (CCDM). 2-6- September 2008. University of Torino, Torino (Italia).

Comunicación

PUBLICACIÓN: Atti del Museo Regionale di Scienze Naturali di Torino (ISSN: 1123-1246): 3-16

29. BAHAMON N., **AGUZZI J.**, MAROTTA L. 2008. Modulation of the activity rhythms of decapods species by underwater light availability and predation by *Nephrops norvegicus*. 9th Colloquium Crustacea Decapoda Mediterranea (CCDM). 2-6- September 2008. University of Torino, Torino (Italia).

Postér

PUBLICACIÓN: Aguzzi et al., 2009. Mar. Ecol. 30: 366-375

28. SARRIÁ D., DEL RIO J., MANUEL A., **AGUZZI J.**, GARCÍA J.A., SARDÀ F. 2008. Infrared and imaging application to measure emergence activity rhythms on *Nephrops norvegicus* (L.) population assessment. Sensors Applications Symposium (SAS-IEEE). 12-14 February 2008. University of Georgia (Georgia-Tech), Atlanta (GA, USA).

Comunicación

PUBLICACIÓN: IEEE Sensors Applications Symposium (ISBN: 978-1-4244-1963-0); Aguzzi et al., 2008. J. Neurosci. Met. 173: 215-224

27. SARRIÁ D., DEL RIO J., MANUEL A., **AGUZZI J.**, SARDÀ F. 2007. Acquisition and tracking system to measure emergence activity rhythms on *Nephrops norvegicus* population assessment. 2nd International Symposium on Tagging and Tracking marine fishes with electronic devices. 8-11 October 2007. Palacio de Miramar, Donosita (Spain).

Comunicación

PUBLICACIÓN: Aguzzi et al., 2008. J. Neurosci. Met. 173: 215-224

26. SARRIÀ D., DEL RÍO J., MÀNUEL A., **AGUZZI J.**, GARCÍA J.A., SARDÀ F. 2007. Data and image acquisition system to measure emergence activity rhythms on *Nephrops norvegicus* population assessment. 7th International Workshop on Marine Technology (MarTech '07). 15-16 November 2007. University Politècnica de Catalunya (UPC), Villanova i la Geltrú (España).
Postér
PUBLICACIÓN: Instrumentation Viewpoint 6: 105-106 (ISSN: 1886-4864)
25. **AGUZZI J.**, CAPRIOLI R., COSTA C., MENESATTI P., SCARDI M. 2007. Real Time Motion Analysis as a useful tool to monitor behavioural rhythms and activity statuses in fishes. 7th International Workshop on Marine Technology (MarTech '07). 15-16 November 2007. University Politècnica de Catalunya (UPC), Villanova i la Geltrú (España).
Comunicación
PUBLICACIÓN: Instrumentation Viewpoint 6: 94-95 (ISSN: 1886-4864)
24. COSTA C., **AGUZZI J.**, ANTONUCCI F., RIMATORI V., PALLOTTINO F. MATTOCCIA M. 2007. Shape based tool to discriminate the Italian clam *Tapes decussatus* (L.) form *T. philippinarum* (Adams & Reeve, 1850)
3rd International Symposium of the Commission Internationale du Génie Rural (CIGR): Food and agricultural products, processing and innovations. 24-26 September 2006. University Federico II, Napoli (Italy).
Comunicación
PUBLICACIÓN: Costa et al., 2010. Food Bioproc. Technol. 3: 43-48
23. **AGUZZI J.**, DEL RIO J., SARDÀ F., MANUEL A., SARRIÀ D., COMPANY J.B. 2006. Incidence of Norway lobster (*Nephrops norvegicus* L.) emergence activity rhythms on its population assessment. 14th Simposio Ibérico de Estudios de Biología Marina (SIEBM). 12-15 September 2006. CosmoCaixa, Barcelona (Spain).
Postér
PUBLICACIÓN: Aguzzi and Sardà 2008. Rev. Fish Biol. Fisher. 18: 235-248
22. **AGUZZI J.**, SARRIÀ D., COSTA C., DEL RIO J., SARDÀ F., MANUEL A., CAPRIOLI R., SCARDI M. 2006. Video-image analysis as automated system for the collection and quantification of locomotor activity data in vertebrate and invertebrate marine species. 14th Simposio Ibérico de Estudios de Biología Marina (SIEBM). 12-15 September 2006. CosmoCaixa, Barcelona (Spain).
Comunicación
PUBLICACIÓN: Aguzzi et al., 2009. Sci. Mar. 73(4): 773-783
21. ABELLÓ P., COMPANY J.B., **AGUZZI J.** 2006. Variabilidad diaria y estacional en la composición de la comunidad demersal en fondos blandos de la plataforma y talud continentales en el mediterráneo nordoccidental Ibérico. 14th Simposio Ibérico de Estudios de Biología Marina (SIEBM). 12-15 September 2006. CosmoCaixa, Barcelona (Spain).
Comunicación
PUBLICACIÓN: Aguzzi et al., 2015. Deep-Sea Res. Deep-Sea Res. I 95: 1-11
20. **AGUZZI J.**, BULLOCK N.M., TOSINI G. 2006. Spontaneous internal desynchronization of locomotor activity and body temperature rhythms from plasma melatonin rhythm in rats exposed to constant dim light. 10th Biennial Meeting of the Society for the Research of Biological Rhythms (RSBR). 21-25 May 2006. Sandestin Golf and Beach Resort, Sandestin (FL, USA).
Postér
PUBLICACIÓN: Actas del Congreso; Aguzzi et al., 2006. J. Circad. Rhyt. 4: 6

19. TOSINI G., **AGUZZI J.**, BULLOCK N.M., KASAMATSU M., LIU C. 2006. Circadian Organization in Royal College Surgeon Rats. 10th Biennial Meeting of the Society for the Research of Biological Rhythms (RSBR). 21-25 May 2006. Sandestin Golf and Beach Resort, Sandestin (FL, USA).
Comunicación
PUBLICACIÓN: Actas del Congreso; Tosini et al., 2007. Brain Res. 1148: 76-82
18. TOSINI G., **AGUZZI J.**, BULLOCK N.M. 2006. Light-induced phase-shift of locomotor activity in Rcs/n-Rdy rats is not affected by photoreceptors degeneration. Annual meeting of the Association for Research in Vision and Ophthalmology (ARVO). 1-5 May 2006. Sandestin Golf and Beach Resort, Fort Lauderdale (FL, USA).
Comunicación
PUBLICACIÓN: Actas del Congreso; Tosini et al., 2007. Brain Res. 1148: 76-82
17. SARDÁ F., MÀNUEL A., COMPANY J.B., **AGUZZI J.**, SANCHÉZ J., SANCHÉZ J.D., BAHAMÓN N., RAMOS H., ANTONIJOAN J., SÁNCHEZ A.F., QUESADA R., SEGÁLAS J., DA CRUZ SERRA A.M. 2005. NORIT project: The incidence of Norway lobster (*Nephrops norvegicus* L.) emergence activity rhythms on its population assessment 5th International Workshop on Marine Technology (MarTech '05). 07-11 March. SARTI-University Politècnica de Catalunya (UPC). Villanova i la Geltrú (Spain). Comunicació
PUBLICACIÓN: Instrumentation Viewpoint 5: 3-4 (ISSN: 1886-4864; DOI: 1886-4864)
16. **AGUZZI J.**, CHIESA J.J. 2005. The relationship between circadian and ultradian components in cardiac activity rhythms of *Nephrops norvegicus* (Decapoda: Nephropidae) VIII Latin American Symposium on Chronobiology (LASC). 27-30 Octubre 2005. Los Cocos, Córdoba (Argentina).
Postér
PUBLICACIÓN: Aguzzi and Chiesa, 2005. J. Crust. Biol. 25(4): 577-584
15. **AGUZZI J.**, CHIESA J.J., CAPRIOLI R., CASCIONE D., COSTA C., MAGNIFICO G. 2005. Ritmi circadiani ed ultradiani nell'attività di *Sabella spallanzanii* (Gmelin, 1791): stress di cattura ed adattamento in condizioni di laboratorio ad oscurità costante. 66^o Convegno Nazionale dell'Unione Zoologica Italiana (UZI). 19-22 September 2005. University of La Sapienza. Rome (Italy)
Comunicación
PUBLICACIÓN: Aguzzi et al., 2006. Sci. Mar. 70(4): 724-727
14. MAGNIFICO G., CAPRIOLI R., CASCIONE D., COSTA C., **AGUZZI J.** 2005. Dati preliminari sul ritmo endogeno della *Sabella spallanzanii* (Gmelin, 1791) in condizioni sperimentali di oscurità costante. 36th Congresso della Società Italiana di Biologia Marina (SIBM). 9 May 2005. University of Trieste, Trieste (Italy).
Postér
PUBLICACIÓN: Magnifico et al., 2005. Biol. Mar. Med. 13(1): 1094-1097 (SIBM Proceedings)
13. BULLOCK N.M., **AGUZZI J.**, TOSINI G. 2005. Preventing desynchronization of the circadian system. 3rd Annual Conference of Specialized Neuroscience Research Program. Howard University, Washington D.C. (USA).
Postér
PUBLICACIÓN: Aguzzi et al. 2006. J. Circ. Rhythms J. Circ. Rhyth. 4: 6

12. **AGUZZI J.**, BULLOCK N.M., TOSINI G. 2005. Preventing desynchronization of the circadian system. Bioastronautics Investigators Workshop (USRA-NASA). 10-12 January 2005. Moody Gardens Hotel. Galveston (TX, USA).
Postér
PUBLICACIÓN: Fukuhara et al., 2005. *Neurosig.* 14(3): 117-125
11. **AGUZZI J.**, BULLOCK N.M., TOSINI G. 2004. Rhythms in melatonin synthesis in dissociated rat's retina. The Gordon Conference: Pineal Cell Biology Section. August 29-September 3. The Queen's College, Oxford (UK).
Postér
PUBLICACIÓN: Actas del congreso
10. **AGUZZI J.**, GRAHAM L., TOSINI G. 2004. Melatonin synthesis in dissociated rat's retina. 9th Biennial Meeting of the Society for Research in Biological Rhythms (SRBR). 24-26 June 2004. Whistler, Vancouver (BC, Canada).
Postér
PUBLICACIÓN: Acta del congreso
9. **AGUZZI J.**, ABELLÓ P., SARDÀ F. 2002. Biological rhythms in marine decapod crustaceans: a perspective thorough the peculiar case of *Nephrops norvegicus* in the North-western Mediterranean. 8th Colloquium Crustacea Decapoda Mediterranea (CCDM). 2-6 September 2002. University of Athens, Corfú (Greece).
Comunicación Plenaria
PUBLICACIÓN: Actas del congreso
8. **AGUZZI J.**, COMPANY J.B., SARDÀ F., ABELLÓ P. 2002. Oxygen consumption rhythms of the burrowing decapod crustacean *Nephrops norvegicus* (NW Mediterranean). 8th Colloquium Crustacea Decapoda Mediterranea (CCDM). 2-6 September 2002. University of Athens, Corfú (Greece).
Postér
PUBLICACIÓN: Actas del Congreso; Aguzzi et al., 2003. *J. Crust. Biol.* 23(4): 749-757
7. **AGUZZI J.**, SARDÀ F. 2002. Northwester Mediterranean *Nephrops norvegicus* (L.) (Crustacea: Decapoda) feeding rhythmicity: a perspective through depth and season. 8th Colloquium Crustacea Decapoda Mediterranea (CCDM). 2-6 September 2002. University of Athens, Corfú (Greece).
Postér
PUBLICACIÓN: Actas del Congreso; Aguzzi et al., 2004. *Mar. Biol.* 144(3): 463-472
6. **AGUZZI J.**, COMPANY J.B., SARDÀ F., SÁNCHEZ-PARDO J., GARCÍA J.A., ROTLLANT G. 2002. Is the glucose concentration in the haemolymph a suitable indicator of circadian rhythmicity in *Nephrops norvegicus* (Decapoda: Nephropidae)? 8th Colloquium Crustacea Decapoda Mediterranea (CCDM). 2-6 September 2002. University of Athens, Corfú (Greece).
Postér
PUBLICACIÓN: Actas del Congreso; Aguzzi et al., 2004. *Crustaceana* 77(2): 213-229
5. **AGUZZI J.**, ABELLÓ P. 2001. The *Nephrops norvegicus* (Decapoda: Nephropidae) biological clock through cardiac rate analysis. Life histories, Assessment and Management of Crustacean Fisheries (EDFAM). 8-12 October 2001. Universidad de A Coruña, A Coruña (España).
Comunicación
PUBLICACIÓN: Actas del Congreso; Aguzzi et al., 2004. *Mar. Freshwat. Behav. Physiol.* 37(1): 55-64; Aguzzi et al., 2005. *Sci. Mar.* 69(3): 369-374

4. **AGUZZI J.**, SARDÀ F. 2001. Trawls catches circadian rhythmicity of *Nephrops norvegicus* (Decapoda: Nephropidae) in the northwestern Mediterranean: a perspective through depth and season. Life histories, Assessment and Management of Crustacean Fisheries (EDFAM). 8-12 October 2001. Universidad de A Coruña, A Coruña (España).
Comunicación
PUBLICACIÓN: Actas del Congreso; Aguzzi et al., 2003. Mar. Ecol. Prog. Ser. 258: 201-211
3. CESARONI D., **AGUZZI J.**, FANÌ C., SALE F., VIEIRA V., SBORDONI V. 2002. Molecular biogeography of graylings in the Azores: phylogeography and gene flow Sorrento (Italia); Joint Meeting on Molecular Evolution (ISME/SMBE). 13-16 June 2002. Sorrento (Italia).
Postér
PUBLICACIÓN: Actas del congreso
2. CESARONI D., **AGUZZI J.**, FANÌ C., SALE F., VIEIRA V., SBORDONI V. 2002. Molecular biogeography of graylings in the Azores: phylogeography and gene flow. 4th International Conference on the Biology of Butterflies. 23-28 March 2002 University of Leiden, Leiden (Holanda).
Postér
PUBLICACIÓN: Actas del congreso
1. **AGUZZI J.**, ABELLÓ P. 2001. Activity rhythms of *Nephrops norvegicus* (Crustacea: Decapoda: Nephropidae) from a continental slope population in the western Mediterranean Sea based on time-lapse video recordings. 5th International Crustacean Congress. 9-13 July 2001. University of Melbourne, Melbourne (Australia).
Comunicación
PUBLICACIÓN: Aguzzi et al., 2004. J. Crust. Biol. 24: 282-290.

M. CONFERENCIAS INVITADAS Y DE 3^{er} CICLO

20. **AGUZZI J.** 2019. Marine robotic developments and ecological monitoring protocols. University of Zagreb (Croacia). Next 5th of April of 2016.
19. **AGUZZI J.** 2018. New high-tech flexible networks for the future monitoring of deep-sea ecosystems. Università degli Studi di Milano Bicocca (Bovisa Plitecnico). 30 October, 2018.
18. **AGUZZI J., MARINI S., FANELLI E., AZZURRO E., DEL RIO J.** 2017. Project FISHOUT outcomes: A comparison of automated video imaging and manual counting in the analysis of temporal changes in coastal fish communities FiXO3 15-16 June. General Meeting. Vilanova i la Gretru (Barcelona, Spain).
17. **AGUZZI J.** 2016. Ecosystem Functioning: Networks of cabled observatories for the advanced ecological monitoring. Qingdao Marine Laboratories (QML), Qingdao (China).
16. **AGUZZI J.** 2016. Ritmes d'activitat al mar profund: efecte sobre l'avaluació de les comunitats i noves tècniques d'estudi. Seminaris, Llum, Foscor i éssers vius. 7 de abril, 2016. Delegació de la Serralada Litoral, filial de la Institució Catalana d'Història Natural (ICHN), i antiga Secció de Ciències Naturals del Museu de Mataró. Sala d'Actes de Can Palauet, Mataró (Espanya).
15. **SBRAGAGLIA V., AGUZZI J.** 2015. Availability of *Nephrops norvegicus*: What laboratory research suggest us? Annual meeting of the Working Group on *Nephrops* Surveys (WGNEPS). 9-10 November 2015. Instituto de Ciencias Marinas de Andalucía (ICMAN), Cadiz (Espanya).
14. **AGUZZI J.** 2014. Cabled video-observatories for studying seafloor communities and activity rhythms form coastal areas to the deep-sea. Ocean Seminar, organized by ICM-CSIC, ONC (Canada) and the Canadian Embassy. 5-8 November 2014. Hotel America, Barcelona (Espanya).
13. **AGUZZI J.** 2013. New technological applications to track the behaviour of animals in the laboratory and in the field. Annual meeting of the Working Group on *Nephrops* Surveys (WGNEPS). 5-8 November 2013. Instituto de Ciencias del Mar (ICM-CSIC), Barcelona (Espanya)
12. **TUNNICLIFFE V., AGUZZI J.** 2013. The Ocean Oline, Realtime, Anytime. 13 Setiembre 2013. Conferencia (invitación por parte de la Societat Catalana de Biologia-Instituts d'Estalvis Catalans SCB-IEC). Instituto de Ciencias del Mar (ICM-CSIC), Barcelona (Espanya)
11. **AGUZZI J.** 2013. The new synthesis of cabled observatory science: technology meets deep-sea ecology. 05 Agosto 2013. Conferencia (invitación del Dr. E. Fanelli). Ente Nazionale per le nuove tecnologie, l'Energia e lo sviluppo economico sostenibile (ENEA), La Spezia (Italy)
10. **AGUZZI J., COMPNAY J.B., COSTA C., MENESATTI P., FAVALI P., SPOGLI L., DE SANTIS A., MATABOS M., TUNNICLIFFE V.,** 2013. The new cabled obsetrvatory sceince in the framework of growing faunal monitoring needs. 08 Marzo 2013.

Conferencia (invitación del Dr. Y. Fujiwhara). Japan Agency for the Marine-Earth Science and Technology (JAMSTEC), Tokio (Japan)

9. **AGUZZI J.** 2010. Biorritmos en márgenes continentales profundos: implicaciones cronobiológicas y potenciales escenarios tecnológicos. 12 Junio 2010. Conferencia (invitación por parte de la Societat Catalana de Biologia-Insituts d'Estalvis Catalans SCB-IEC). Instituto de Ciencias del Mar (ICM-CSIC), Barcelona (España)
8. **AGUZZI J.** 2009. Biological clocks in deep water continental margins and the Deep-Sea by automated video image analysis. 23 Setiembre 2009. Conferencia (invitación del Prof. K. Juniper) a la Escuela de Doctorado del Departamento de Biología, University of Victoria, Victoria (BC, Canada)
7. **AGUZZI J.** 2009. Applicazione di motion video e pattern recognition in biologia marina. 29 Octubre 2009. Conferencia (invitación del Dr. P. Menesatti) en el Workshop "Elementi Tecnici di Visione Artificiale ed Applicazioni negli Agro-Biosistemi". Consiglio di Ricerca Agraria (CRA), Monterotondo, Roma (Italia)
6. **AGUZZI J.** 2008. Chronobiology in deep-water continental margins: The Norway lobster case. 9 Diciembre 2008. Conferencia (invitación del Prof. R. Tiedemann). Escuela de Doctorado del Departamento de Biología Evolutiva/Zoología Sistemática, University of Potsdam, Berlin (Germany)
5. **AGUZZI J.** 2008. Chronobiology in deep-water continental margins: The Norway lobster case. 23 Octubre 2008. Conferencia (invitación del Prof. H. de la Iglesia). Escuela de Doctorado del Departamento de Biología, University of Washington, Seattle (WA, USA)
4. **AGUZZI J.** 2008. The circadian behaviour of marine organisms. 5 Junio 2008. Conferencia (invitación del Dr. P. Menesatti) en el Simposio: "ICHTHYS – Il pesce tra scienza e cultura". Consiglio di Ricerca Agraria (CRA), Monterotondo, Roma (Italia)
3. **AGUZZI J.** 2007. Diel and seasonal patterns of catchability of *Nephrops norvegicus* (Decapoda: Nephropidae) in the western Mediterranean. 20 Abril 2007. Conferencia (invitación del Dr. C. Angelini) en el marco de Cicli di Conferenze "Effimera". Escuela de Doctorado del Departamento de Biología, Università del La Sapienza, Roma (Italia)
2. **AGUZZI J.** 2003. Biological clocks in marine organisms: *Nephrops* as a case of study. 6 Febrero 2003. Conferencia (invitación Prof. L. Terrenato). Escuela de Doctorado del Departamento de Biología Evolutiva, Università di Tor Vergata, Roma (Italia)
1. **AGUZZI J.** 2001. *Nephrops norvegicus* (L.) biological rhythms. 5 Julio 2001. Conferencia (invitación del Dr. R. Msugrow). "Firday Conferences", South Australian Research and Development Institute (SARDI), Adelaide (Australia)

N. ACTIVIDAD DIDÁCTICA

1. GENERAL

- a.** 2006. Actividad de docencia como Profesor en formación de Inspectores Pesqueros del Gobierno de Argelia (**40 horas**). Programa de Cooperación Argelia-Italia (Proyecto: Formation sur la Pêche: Modules Formatives et Informatives Ref.: 1381-2006; EU-Module 4-Programmation, Recherche et Promotion). Ministero Affari Esteri (Italia) y Ministère de la Pêche et des Ressources Halieutiques (Algérie), desde el 8 hasta el 22 de Noviembre.
- b.** 2010. Actividad de docencia como Profesor en “Comportamiento animal y técnicas de monitoreo automatizado” (**10 horas**). CRA-ING (Roma, Italia), desde el 15 hasta el 23 de diciembre.
- c.** 2011. Actividad de docencia como Profesor en “Sistemas de evaluación de especies de alto valor económico” y “Prácticas experimentales en acuarios de nuevo desarrollo” (**8 horas**) en el Programa Máster de Ingeniería Electrónica (Escuela Técnica Superior de Ingenieros de Telecomunicación de Barcelona). SARTI-Universidad Politécnica de Cataluña (UPC).
- d.** 2012. Actividad de docencia como Profesor en “Sistemas de instrumentación aplicados al seguimiento de especies de alto valor económico” (**8 horas**) en el Programa Máster de Ingeniería Electrónica (Escuela Técnica Superior de Ingenieros de Telecomunicación de Barcelona). SARTI-Universidad Politécnica de Cataluña (UPC).
- e.** 2011-2012. Profesor del Curso de “Biodiversidad Marina” del Programa de Máster de Ciencias del Mar, establecido entre la Universidad de Barcelona (UB) y la Universidad Politécnica de Cataluña (UPC) (**25 horas, 2.5 Creditos**).
<http://www.giga.ub.edu/acad/pops/pub0201.php?id=H0602&lang=1>
- f.** 2012-2013. Actividad de docencia como Coordinador y Profesor (junto con Dr. E. Ramirez-Illodra) del Curso de “Biodiversidad Marina” del Programa de Máster de Ciencias del Mar, establecido entre la Universidad de Barcelona (UB) y la Universidad Politécnica de Cataluña (UPC) (**25 horas, 2.5 Creditos**).
<http://www.giga.ub.edu/acad/pops/pub0201.php?id=H0602&lang=1>
- g.** 2014. Actividad de docencia como Profesor en “Uso de sistemas marinos de visión para la caracterización de comunidades marinas” en el IP Summer School on Marine technology Instrumentation” (**4 horas**). Erasmus Intensive Programme (IP; Subject Area: Marine Technology Instrumentation) (Escuela Técnica Superior de Ingenieros de Telecomunicación de Barcelona). SARTI-Universidad Politécnica de Cataluña (UPC).
- h.** 2016. Actividad de docencia como Profesor en PROMEX Master Course: “Deep-sea ecosystems & Extreme Environments”, organizado por Prof. N. Lebrís de “l’Université Pierre et Marie Curie Paris 6” (**4 horas**).
- i.** 2018. Actividad de docencia como Profesor en el Curso de Master “Ecophysiology and Mariculture”, organizado por Prof. A. Gavrilovich. Universidad de Pula (Istria, Croacia) (**6 horas**) con el título de: “Behaviour and physiological studies in marine resources and new monitoring technologies”

2. TUTORÍA DE MÁSTER

- a. Título: Estudio de la fauna bentopelágica del mar catalano-balear mediante vehículo operado por control remoto (ROV, Remote Operated Vehicle)**
Estudiante: Ariadna Mecho
Universidad: Universidad de Barcelona (UB)
Facultad/Escuela: Facultad de Biología e Insitituto de Ciencias del Mar (ICM-CSIC)
Año: 2010
[En codirección con Dr. J.B Company y Dr. E. Ramírez-Llorda]
- b. Título: Distribució d'ictiofauna mitjançant anàlisi d'imatge**
Estudiante: Fernando Condal
Universidad: Universidad de Barcelona (UB)
Facultad/Escuela: Facultad de Biología e Insitituto de Ciencias del Mar (ICM-CSIC)
Año: 2011
[En codirección con Prof. A. Mànuel and Dr. F. Sardà]
- c. Título: Discrimination of different rhythmic behavioural patterns in *Nephrops norvegicus*, a marine crustacean decapod of commercial interest**
Estudiante: Valerio Sbragaglia
Universidad: Universidad de Barcelona (UB)
Facultad/Escuela: Facultad de Biología e Insitituto de Ciencias del Mar (ICM-CSIC)
Año: 2011
- d. Título: Activity rhythms in deep-sea fauna at Barkely canyon by NEPTUNE remote video-monitoring**
Estudiante: María Pardo-Ros
Universidad: Universidad de Barcelona (UB)
Facultad/Escuela: Facultad de Biología e Insitituto de Ciencias del Mar (ICM-CSIC)
Año: 2012
- e. Título: A 1-year remote monitoring of a coastal temperate fish assemblage by the OBSEA**
Estudiante: Guillelm Santamaría
Universidad: Universidad de Barcelona (UB)
Facultad/Escuela: Facultad de Biología e Insitituto de Ciencias del Mar (ICM-CSIC)
Año: 2014
- f. Título: Seasonal pattern in the small-scale use of space by benthic squat lobster and flatfishes in Saanich Inlet (Vancouver Island)**
Estudiante: Damianos Chatzievangelou
Universidad: Universidad de Barcelona (UB)
Facultad/Escuela: Facultad de Biología e Insitituto de Ciencias del Mar (ICM-CSIC)
Año: 2014
- g. Título: Multiannual coastal fish behavioural and enviuronmental monitiring by the OBSEA**
Estudiante: Sergio Enguidanos
Universidad: Universidad de Barcelona (UB)
Facultad/Escuela: Facultad de Biología e Insitituto de Ciencias del Mar (ICM-CSIC)
Año: 2015
- h. Título: The effects of agonistic interactions on the burrow emergence rhythm of the Norway lobster (*Nephrops norvegicus*, L.)**
Estudiante: Anna Arias Bulbuena
Universidad: Universidad de Barcelona (UB)

Facultad/Escuela: Facultad de Biología e Insitituto de Ciencias del Mar (ICM-CSIC)
Año: 2015

i. Título: Calibration of imaging monitring efficiency *via* internet-operated benthic crawler technology

Estudiante: Alejandro Suarez Avendaño

Universidad: Universidad de Barcelona (UB)

Facultad/Escuela: Facultad de Biología e Insitituto de Ciencias del Mar (ICM-CSIC)

Año: 2017

3. TUTORÍA DE TESIS DE DOCTORALES

a. Argumento: Development of new technologies for the beavhioural tracking of marine species in the laboratory and the field

Estudiante: David Sarrià Gandul (Contratado a Proyecto)

Universidad: Universidad Politecnica de Cataluña (UPC)

Facultad/Escuela: Technological Development Centre for Remote Acquisition and Data Processing System (SARTI)

FIALIZADA: 21-03-2014

[En codirección con Prof. A. Mànuel; Director del SARTI-UPC]

b. Argumento: Community composition, distribution and diversity of invertebrates of from deep- sea Mediterranean canyons and adjacent slopes (from 850 to 3000 m depth)

Estudiante: Ariadna Mecho (Contratada a Proyecto)

Universidad: Universidad de Barcelona (UB)

Facultad/Escuela: Insitituto de Ciencias del Mar (ICM-CSIC)

FIALIZADA: 21-10-2014

[En codirección con Dr. J.B Company y Dr. E. Ramírez-Llorda del ICM-CSIC]

c. Argumento: Molecular and physiological rhythms of isolated and socially interacting Norway lobsters (*Nephrops norvegicus*, L.) in relation to simulated cycles of light, internal tides, and inertial motions

Estudiante: Valerio Sbragaglia (Becario FPI, Ministerio de Ciencia e Innovación, MICNN)

Universidad: Universidad de Barcelona (UB)

Facultad/Escuela: Insitituto de Ciencias del Mar (ICM-CSIC)

Comienzo: Setiembre 2010

FIALIZADA: 20-07-2015 MENCIÓN DE HONR MEJOR TESIS DOCTORAL

d. Argumento: The use of new multiparametric cabled observatories for the remote monitoring and exploration of Deep-sea ecosystems at day-night and seasonal time scales

Estudiante: Carol Doya (Becaria FPI, Ministerio de Ciencia e Innovación, MICNN)

Universidad: Universidad de Barcelona (UB)

Facultad/Escuela: Insitituto de Ciencias del Mar (ICM-CSIC)

Comienzo: Setiembre 2011

FIALIZADA: 18-07-2017 (Cum Laude)

e. Argumento: Spatio-temporal variations in deep-sea benhtic megafauna by crawler monitoring technology

Estudiante: Damianos Chatzievangelou (Contratado a Proyecto)

Universidad: Jacobs University

Facultad/Escuela: OceanLab

Comienzo: June 2015

[En codirección con Prof. L. Thomsen, Jacobs University, Bremen]

f. Argumento: Spatio-temporal variations in deep-sea benthic megafauna by crawler monitoring technology

Estudiante: Ivan Masmitja Rusiñol (Becario FPI, Ministerio de Ciencia e Innovación, MICNN)

Universidad: Universidad Politécnica de Cataluña (UPC)

Facultad/Escuela: Technological Development Centre for Remote Acquisition and Data Processing System (SARTI)

Comienzo: Enero 2016

[En codirección con Prof. Sapracus Gomarrítz, Escola Universitària d'Enginyeria Tècnica Industrial, UPC]

g. Argumento: Pattern-recognition techniques for the tracking and classification of biological objects by underwater cameras

Estudiante: José Antonio García del Arco (Titulado Técnico Superior Grado A1, CSIC)

Universidad: Universitat Oberta de Catalunya (UOC)

Facultad/Escuela: Doctoral School

Comienzo: Enero 2016

[En codirección con Prof. David Masip Rodo, Universitat Oberta de Catalunya (UOC)]

4. ACTIVIDAD DE TUTORÍA DE TRABAJOS DE PRÁCTICAS DE EMPRESA

a. Estudiante: Anna Arias Bulbena

Universidad: Universidad de Girona

Facultad/Escuela: Facultad de Ciencias

Argumento: Tareas de mantenimiento de organismos marinos vivos y aprendizaje de técnicas de seguimiento comportamental

Año: 2013

5. ACTIVIDAD DE TUTORÍA DE ESTUDIANTES EXTRANJEROS

a. Estudiante: Fabrizio Capoccioni

Universidad: Università degli Studi di Roma, Tor Vergata

Facultad/Escuela: Laboratorio di Ecologia Sperimentale e Acquacoltura (LESA)

Argumento: Biological features of eel (*Anguilla anguilla*, L. 1758) local stocks in the Mediterranean Area, as a function of different ecological conditions

Año: 2009

[Estancia de formación en ICM-CSIC de Barcelona, en codirección con Prof. S. Cataudella]

b. Estudiante: Francesco Palmas

Universidad: Università degli Studi di Cagliari

Facultad/Escuela: Departamento de Ciencias Ambientales y de la Vida

Argumento: Diel behavior ferom temporally scheduled hauling of the red shrimp *Aristeus antennatus* and *Aristeomorpha foliacea* in the Spartivento Canyon (Sardinia, Italy)

[Estancia de formación en ICM-CSIC de Barcelona, en codirección con Prof. A. Sabatini]

c. Estudiante: Diana Catarino

Universidad: Universidad do Azores

Facultad/Escuela: Department of Oceanography and Fisheries

Argumento: Genetic and morphometric differentiation between Atlantic and Mediterranean populations of *Coryphaenoides* spp.

Año: 2012

[Estancia de formación en ICM-CSIC de Barcelona, en codirección con Prof. S.

Stefanni]**d. Estudiante: Salvatore Coco***Universidad:* **Universita degli Studi di Bologna***Facultad/Escuela:* **Dipartimento di Ecologia***Argumento:* **Monitoring of seasonal rhythms in a coastal fish community and the environmental control at the OBSEA cabled video and multiparametric observatory***Año:* **2016****[Estancia ERASMUS en ICM-CSIC de Barcelona, Tesis de Licenciatura (equivalente a Máster), en codirección con Prof. J. del Río, Prof. Massimo Ponti, Dr. V. Sbragaglia]****e. Estudiante: Marco Francescangeli***Universidad:* **Universita Politecnica delle Marche (UNIPM)***Facultad/Escuela:* **Dipartimento di Biologia Marina***Argumento:* **Monitoring abyssal fauna in the Gulf of Cadiz via ROV surveying***Año:* **2017****[Estancia ERASMUS CampusWorld en ICM-CSIC de Barcelona, Tesis de Licenciatura (equivalente a Máster), en codirección con Prof. R. Danovaro]****f. Estudiante: Brittany Stuckless***Universidad:* **Memorial University of Newfoundland***Facultad/Escuela:* **Department of Ocean Sciences,***Argumento:* **Deep-sea animal behaviour and interactions***Año:* **2018****[en codirección con Prof. A. Mercier]****g. Estudiante: Matteo Chiarini***Universidad:* **Universita di Bologna (UNIBO)***Facultad/Escuela:* **.....***Argumento:* **Social factors affecting stock assessment of the Norway lobster, *Nephrops norvegicus* (L.): a behavioral deterministic approach***Año:* **2018****[Estancia ERASMUS, CampusWorld en Univ. Victoria, Canada, en codirección con Prof. E. Fanelli]****h. Estudiante: Marco Francescangeli***Universidad:* **Universita Politecnica delle Marche (UNIPM)***Facultad/Escuela:* **.....***Argumento:* **Monitoring deep-sea fauna by ONC cabled observatories***Año:* **2018****[Estancia ERASMUS, CampusWorld en Univ. Victoria, Canada, en codirección con Prof. M. Stagoni]****i. Estudiante: Marina Gelli***Universidad:* **Universita di Pula (UNIPU)***Facultad/Escuela:* **.....***Argumento:* **Monitoring fish rhythmic activity in coastal areas***Año:* **2018****[Estancia ERASMUS, CampusWorld, en codirección con Prof. A. Garvilovioc]****6. FORMACIÓN POSTDOCTORAL TÉCNICA****a. Dr.: Samuele Tecchio**

Universidad: **Instituto de Ciencias del Mar (ICM-CSIC)**

Facultad/Escuela: **Recursos Marinos Renovables**

Argumento: **Estimaciones de biodiversidad desde material video y seguimiento estacional.**

Contrato en el marco del Proyecto RITFIM (IP: J. Aguzzi).

Año: 2013

b. Dr.: Jesús Nuñez

Universidad: **Universidad Nacional de Mar del Plata (MDP)**

Facultad/Escuela: **EGEM-Laboratorio de Ecología y Genética de Especies Marinas**

Argumento: **Activity rhythms and sociality of tidal crabs**

Año: 2015

c. Dra.: M.V. Torres

Universidad: **Instituto Nacional de Limnología (INALI-CONICET-UNL), Santa Fe (Argentina)**

Facultad/Escuela:

Argumento: **Morfometría geométrica de gasteropodos veneridos y relaciones filogenéticas**

Año: 2017

7. MIEMBRO EN TRIBUNALES DE MÁSTERS

a. 30-09-2015: Master en Ocenografía Ciencias del Mar (Universidad de Barcelona) (Presidente: Prof. A. Calafat).

8. MIEMBRO EN TRIBUNALES DE TESIS DOCTORÁLES

a. Vocal. 22-12-2005: “*Patrones del ritmo de actividad motora como expresión de la plasticidad del sistema circadiano*” presentada por J.J. Chiesa de la Universidad de Barcelona (Directores: Ass. Prof. T. Cambras Riu and Prof. A. Díez-Noguera).

b. Vocal. 09-10-2007: “*Dissociació dels ritmes circadianis i tractaments per la seu acoblament en rates sotmeses a cicles de llum-fosc de 22 i 23 horas*” presentada por M. Anglés de la Universidad de Barcelona (Directores: Ass. Prof. T. Cambras Riu and Prof. A. Díez-Noguera).

c. Vocal 14-09-2012: “*Indices and indicators for Integrated Coastal Zone Management (ICZM) with a landscape approach*” presentada por L. Marotta de la Universidad Politecnica de Cataluña (Director: Prof. Juan P. Sierra Pedrica).

d. Suplente. 24-10-2016. “*Population structure and spatio-temporal modelling of biological attributes and population dynamic of nylon shrimp (Heterocarpus reedi) off central Chile (25°-36°S)*” presentada por C.M. Canals-Ramirez de la Universidad de Barcelona (Director: Dr. J.B. Company).

e. Suplente. 20-10-2016. “*Ecosystem based management in the Mediterranean sea: Scientific Challenges and Advances*” presentada por C. Piroddi de la Universidad de Barcelona (Directores: Dra. M.C. Monton y Dra. M. del Camino Liqueste).

f. Suplente. 20-10-2017. “*Movement ecology of coastal fishes in a marine protected area: implications for management and conservation*” presentada por E. Espillaga de la Universidad de Barcelona (Directores: Dr. Bernat Hereu y Frederic Bartumeus, UB)

g. Suplente 22-09-2017. “*Ecology and biodiversity of the Deep-sea meiobenthos from the*

Blanesd Canyon and its adjuacent slope (NW Mediterranean)” presentada por S. Soman Moreno de la Universidad de Barcelona (Directores Dr. Dani Martin, CEAB-CSIC).

h. Vocal 29-01-2018: “*Diseño del sistema de navegación en inmersión del vehículo Guanay II para aplicaciones de detección y seguimiento de vertidos de hidrocarburos en zonas costeras*” presentada por C. Mauricio Galarza de la de la Universidad Politecnica de Cataluña (Director: Prof. Spartacus Gomaritz).

9. SUPERVISIÓN DE TRABAJOS DE FIN DE GRADO (TFG)

a. Estudiante: Anna Arias Bulbena

Universidad: Universidad de Girona

Facultad/Escuela: Facultad de Ciencias

Título: Social modulation of burrow emergence rhythm in *Nephrops norvegicus*

Año: 2014

10. ACTIVIDAD DE TUTORÍA DE BACHILLERATO

a. Estudiante: Pau Cano Ribé

Universidad: Universidad de Barcelona (programa Joves i Ciència de la Funció Catalunya-La Pedrera; www.jovesciencia.cat).

Facultad/Escuela: Facultad de Ciencias

Título: Study on *Dentex dentex* 's group and migrating behavior

Año: 2015

O. PARTICIPACIÓN EN CONTRATOS DE INVESTIGACIÓN DE ESPECIAL RELEVANCIA CON EMPRESAS Y/O ADMINISTRACIONES
--

1. “Contratto di Collaborazione Coordinata e Continuativa” (COCO)

(Equivalente a Contrato de Apoyo Tecnológico)

(http://www.sito.entecra.it/portale/cra_collaborazioni.php?id=218&lingua=IT&ordinamento=tipo&richiesta_da=)

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Consiglio di Ricerca Agraria (CRA)

(Fondos Ministero Politiche Agricole e Forestali-MIPAF; Decreto Ministeriale 306/7303/06 del 05/12/2006).

DURACIÓN DESDE: 2008-2009

INVESTIGADOR/A RESPONSABLE: Dr. P. Menesatti (paolo.menesatti@entecra.it)

Importe: 5185 Eu

2. Affidamento Incarico per lo svolgimento di revisione testi

(Equivalente a Contrato de Apoyo Tecnológico)

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Consiglio di Ricerca Agraria (CRA)

(Fondos Ministero Politiche Agricole e Forestali-MIPAF; Decreto Ministeriale 306/7303/06 del 05/12/2006).

DURACIÓN: 2008

INVESTIGADOR/A RESPONSABLE: Dr. P. Menesatti (paolo.menesatti@entecra.it)

Importe: 230 Eu

P. PATENTES

1. Apparato di riconoscimento di prodotti agroalimentari

INVENTORES: MENESATTI P., COSTA C., *AGUZZI J.*, ANTONUCCI F.

N° DE SOLICITUD: RM2009A000325

N° DE PATENTE: 001397406

PAÍS DE PRIORIDAD: Italia

FECHA DE PRIORIDAD: 25-06-2009

ENTIDAD TITULAR: Consiglio di Recerca Agraria (CRA)

PAÍSES A LOS QUE SE HA EXTENDIDO: Italia

Q. CESIÓN, USO E IMPLEMENTACIÓN DE INFRAESTRUCTURA TECNOLÓGICA PARA EL MONITOREO FAUNÍSTICO/AMBIENTAL DE RELEVANCIA INTERNACIONAL

La toma y el procesamiento de datos de actividad en comunidades difícilmente accesibles representa un desafío tecnológico con importantes vertientes científicas siendo, en el caso de los ecosistemas profundos en zonas afóticas, desconocida la regulación rítmica de las especies constituyentes. **El objetivo de esta actividad es de averiguar la relación entre ritmos de comportamiento, capturabilidad y evaluaciones pesqueras.** En el marco de las crecientes colaboraciones establecidas con grupos internacionales se están desarrollando nuevas tecnologías automatizadas para el análisis de videos digitales dedicadas a la clasificación de organismos y su recomputo en series temporales de larga duración. Como resultado de la automatización en este procesamiento, se están implementando algoritmos que emulan procesos de Inteligencia Artificial. Dicha tecnología es exportable a todos los contextos de la neurociencia para el seguimiento del comportamiento en general, incluidos los de laboratorio, eliminando la telemetría y la actografía, ambas con fuertes limitaciones aplicativas en campo marino. Como resultado de esta actividad, **se ha accedido al uso e implementación de infraestructura tecnológica para el monitoreo faunístico ambiental de relevancia internacional:**

1. 2016-hasta el presente. NEutrino Mediterranean Observatory-Submarine Network (NEMO-SN1; http://moist.rm.ingv.it/sites/western_ionian_sea/2/SMO1) off Capo Passero (Sicily, 2200 m depth), as platform of the Kilometer cube Network (KM3NeT; <https://www.km3net.org>)
IP Prof. A. Capone (Istituto Nazionale di Fisica Nucleare-INFN; antonio.capone@roma1.infn.it)

2. 2016-hasta el presente. North East Pacific Time-series Undersea Network Experiments (NEPTUNE; www.neptunecanada.com) as platform of the Ocean Network Canada (ONC)
IP Prof. K. Juniper (University of Victoria; kjuniper@uvic.ca)

2016. Miembro del Steering Committee como “*Science Theme Leader*” de la sección “*Life in the Northeast Pacific*” (<https://www.oceannetworks.ca/science/science-plan/science-theme-leaders>). *Specific Tasks: Engagement to provide advice on long-term observations and experiments and development of data products to support research*

Working Group *Barkley Canyon Slope Dynamics*:
<https://wiki.oceannetworks.ca/pages/viewpage.action?pageId=46007212>

Working Group *Gas Hydrates*:

<https://wiki.oceannetworks.ca/display/WG/Gas+Hydrates>

3. 2013-hasta el presente. Wally crawler monitoring program at NEPTUNE (Victoria, BC-Canada) from Jacobs University (Bremen)

(<https://wiki.oceannetworks.ca/display/WG/Gas+Hydrates>)

IP Prof. L. Thomsen (Jacobs University; l.thomsen@jacobs-university.de)

4. 2018-hasta el presente. Sagami Bay technological implementation and ecosystem monitoring

IP Dr. Y. Fujiwhara (Institute of Biogeosciences, Japan Agency for Marine-Earth Science and Technology; JAMSTEC; fujiiwara@jamstec.go.jp)

5. 2013-hasta el presente. Observatory of the SEA (OBSEA; www.obsea.es) as EMSO Testing Site

IP Ass. Prof. J. del Rio (Technological Development Centre for Remote Acquisition and Data Processing System-SARTI, of the Technical University of Catalonia-UPC; antoni.manuel@upc.edu)

Gestión compartida de la Unidad Asociada Tecnoterra entre SARTI (Ass. Prof. J. del Río) e ICM (Dr. J. Aguzzi)

(<http://www.upc.edu/cdsarti/OBSEA/about/staff.php>)

(http://www.upc.edu/cdsarti/OBSEA/citizenScience/about_citizen.php)

6. 2013-hasta el presente. International Center for Advanced Studies for River-Sea Systems (DANUBIUS-RI) from European Strategy Forum on Research Infrastructures (ESFRI) Roadmap. IP Prof. A. Sanchez-Archilla (Universidad Politécnica de Cataluña; agustin.arcilla@upc.edu)

7. ANTARES-MEUST. To be started 2019

8. 2005- hasta el presente. Miembro de la *Unidad Asociada* del CSIC entre Instituto de Ciencias del Mar (ICM), Universidad Politécnica de Cataluña (UPC), y el Instituto de Ciencias de la Tierra Jaume Almera denominada *Tecnoterra* para la transferencia de conocimiento científico entre los dominios de conocimiento ecológicos pesqueros y los de la ingeniería de telecomunicaciones marinas.

R. ESTANCIAS EN CENTROS DE RECONOCIDO PRESTIGIO INTERNACIONAL
CLAVE: D=doctorado, P=postdoctoral. Y= invitado/a, C=contratado/a, O=otras (especificar)

1 CENTRO: School of Biological Sciences, University of Wales, Bangor (United Kingdom)
 1995-1996 (6 meses)

CLAVE: O (Beca del Programa ERASMUS) (Responsable: Prof. R.S. Thorpe)

2. CENTRO: Ecotoxicology Laboratory, University of Plymouth, Plymouth (United Kingdom)
 Octubre de 1999 (1 mes)

CLAVE: O (estancia de viaje del programa Formación Personal Investigador, FPI)
 (responsable: Prof. M. Depledge)

3. CENTRO: Lobster Institute, University of Maine, Orono (MA, United States)

Octubre de 2000 (1 mes)

CLAVE: O (estancia de viaje del programa Formación Personal Investigador, FPI)
 (Responsable: Prof. R. Bayer)

4. CENTRO: Istituto Brunelli. Roma (Italia)

Noviembre de 2001 (1 mes)

CLAVE: O (estancia de viaje del programa Formación Personal Investigador, FPI)
 (Responsables: Dr. C. Costa e Dr. C. Rambaldi)

5. CENTRO: Laboratorio di Ecologia Sperimentale ed Acquacoltura (LESA), Università degli
 Studi di Tor Vergata Roma (Italia)

2002-2003 (11 meses)

CLAVE: P (Responsable: Prof. S. Cataudella)

6. CENTRO: Neuroscience Institute, Morehouse School of Medicine (NSBRI-NASA), Atlanta
 (GA, United States)

2003-2005 (24 meses)

CLAVE: P (Responsable: Prof. G. Tosini)

7. CENTRO: University of Washington, Seattle (WA, United States)

Octubre de 2008 (1 mes)

CLAVE: O (Beca de la Agencia Española de Cooperación Internacional y Desarrollo-AECID;
 resolución 20 de diciembre de 2008; BOE no. 300) (Responsable: Prof. H. de la Iglesia)

8. CENTRO: Ph.D. School of the Unit of Evolutionary Biology/Systematic Zoology,
 University of Potsdam, Berlín (Alemania).

Diciembre de 2008 (una semana)

CLAVE: Y (Responsable: Ass. Prof. V. Ketmaier)

9. CENTRO: University of Victoria, Victoria (BC, Canada).

Setiembre de 2009 (1 semana).

CLAVE: O (Financiación en el ámbito del Proyecto ChEss-Chemosynthetic Ecosystem
 Science; Programa: Census of Marine Life). (Responsable: Prof. K. Juniper)

10. CENTRO: Consiglio di Ricerca Agraria (CRA), Monterotondo, Roma (Italia)

Noviembre de 2011 (una semana)

CLAVE: Y (Responsable: Dr. P. Menesatti)

S. OTROS MÉRITOS

1. Premios y menciones

a-Citado como mejor orador del 5th International Crustacean Congress (2001) in: *The Ecdysiast* 2001, 20(2): 8 (<http://www.vims.edu/tcs/Ecdy20-2.pdf>)

b-Premio a la Mejor Publicación Científica del Consiglio di Ricerca Agraria (CRA; Italia) del 30-01-2013 (Decreto no. 65): COSTA C., ANTONUCCI F., PALLOTTINO F., AGUZZI J., SUN D.-W., MENESATTI P. 2011. Shape analysis of agricultural products: A review of recent research advances and potential application to computer vision. *Food and Bioprocess Technology* 4: 673-692.

c- XX-XX-XX Valerio Sbraglia (Estudiante Doctoral FPI del Proyecto RITFIM) ha sido seleccionado con una ayuda de 5000 euros como concursante por parte del Premio Barbara Gherardi de la Universidad de Florencia, debido a los artículos producidos desde su tesis doctoral intitulada "Molecular and physiological rhythms of isolated and socially interacting Norway lobsters (*Nephrops norvegicus*, L.) in relation to simulated cycles of light, internal tides, and inertial motions

2. Revisor por Instituciones Nacionales e Internacionales en Proyectos de Investigación

a-Agencia Nacional de Evaluación y Prospectiva (ANEP). Convocatoria: Infraestructuras Equipamientos 2011. *Microscopía básica para la investigación de individuos, población y sistemas: Adquisición y análisis de imágenes.* IP Mercedes Conradi Barrena (UNSE10-1E-260).

b-Agencia Nacional de Evaluación y Prospectiva (ANEP). Convocatoria: Plan National. i+d B 2012. *Uso de imágenes submarinas para la estimación de cigala *Nephrops norvegicus* y caracterización de las comunidades asociadas en el Golfo de Cádiz.* IP: Yolanda Vila Gordillo (CTM2012-38437).

c-National Science Foundation (NSF; Gobierno de Estados Unidos). *An Integrative Study of Circadian Rhythms in the Photoreceptors of Deep-sea Crustaceans.* IP: Tamara M. Frank (Proposal Number: 0950318). Institution: Florida Atlantic University.

d-Israel Science Foundation (ISF; Gobierno de Israel). *The Role of Melatonin in Hermatypic Corals.* IP: Oren Levy. Institution: Bar-Ilan University.

e-Marine Institute (Galway, Ireland). Evaluación Científica de Proyectos del *Cullen Fellowship Program 2016: "Oceanographic modelling of *Nephrops* populations around Ireland"*. IP: A.M. Power. Institution: Marine Institute.

f-Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR), Programma di Ricerca Nazionale (PRN). Evaluación Científica de Proyectos del PRIN 2016: *"Paleogenomica ambientale in grandi pesci predatori marini: un ritorno al passato per la conservazione futura di specie ed ecosistemi ad alto rischio di vulnerabilità (Back to the Future).* IP: Tinti F. (Proposal Number: 0950318). Institution: Università di Bologna.

g-Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR); Programma di Ricerca Nazionale (PRN). Evaluación Científica de Proyectos del PRIN 2016: *"Modeling GENetic diversity for HELPing the stock status evaluation of demersal resources (GEN HELP)"*. IP: Guarniero I. (Proposal Number: 2015JLPMJW). Institution: Università di Bologna.

h-Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR); Programma di Ricerca Nazionale (PRN). Evaluación Científica de Proyectos del PRIN 2016: *"PREDICTive ecological-economic models to explore the consequences of climate related drivers on marine ecosystem functions and services (PREDICT)"*. IP: Sará G. (Proposal Number: 2015PJFH9R). Institution: Università di Palermo.

i- Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR); Programma di Ricerca Nazionale Antartica (PRNA) "Ontogenesis of the circadian clock in the Antarctic krill *Euphausia superba*"

l-Consiglio di Ricerca Agraria (CRA). *Comisión de Evaluadores Expertos Independientes* (Deliberación n. 79, del 9 de Julio de 2014) (http://sito.entecra.it/portale/public/documenti/albo_esperti_inserimento_provvisorio.pdf)

m-European Multidisciplinary Seafloor and water-column Observation (EMSO). *EMSO Development Project (EMSO-DEV).*

o-National Center of Science and Technology Evaluation (Ministry of Education and Science, Kazakhstan)

p-Anton Dohrn Statio (ADS, Naples, Italy).

3. Actividades de “Chairman” y en Comités Científicos de Congresos y Reuniones

a-Chairman del International Workshop on Marine Technology 2007. (MarTech '07). Marine Biology and Technology Session (SARTI-UPC, Vilanova y la Geltru. Barcelona). 15-16 Noviembre. SARTI-UPC, Vilanova i la Geltrú (Barcelona, España)

b-Chairman del International Workshop on Marine Technology 2009 (MarTech '09). Marine Biology and Technology Session (SARTI-UPC, Vilanova y la Geltru. Barcelona). 15-16 Noviembre. SARTI-UPC, Vilanova i la Geltrú (Barcelona, España)

c-Chairman International Symposium on Underwater Technology (UT13). Cabled Observatory Section. 5-8 Marzo 2013. IIS Conference Hall "Haricot", the University of Tokyo, Tokyo (Japan).

d- Comité Científico 1^{er} Congreso Argentino de Biología del Comportamiento. COMPORTA-2013 (<http://www.grieta.org.ar/comporta/organizacion.htm>), organizado por el Grupo de Investigación y Educación en Temas Ambientales (GrIETA). Mar De la Plata (Argentina).

e- Comité Científico 3^{er} Congresso nazionale dell'Associazione Italiana di Scienze Amambientali (AISA). Ecologia e Riqualficazione degli Ambienti Costieri. 19-21 Aprile 2013. Pierrera di San Antonio Melilli (Siracusa, Italia).

f- Comité Científico en el International Workshop on Marine Technology 2013 (MarTech '13). Observatories, remote sensing Session. 9-11 Octubre 2013. Unversidad de Girona, Girona (España).

g- Comité Científico 1st I International Conference on Pattern Recognition (ICPR), Workshop: Computer Vision for Analysis of Underwater Imagery (CVAUI; <http://cvauui.oceannetworks.ca/>). 24 August 2014. University of Victoria, Victoria (BC, Canadá).

h-Co-organizador con el Dr. C. Lordan (The Marine Institute of Galway, Irlanda; Colm.Lordan@Marine.ie) del meeting anual del “Working Group on *Nephrops* Surveys (WGNEPS) del International Council for the Exploitation of the Sea (ICES; <http://www.ices.dk/community/groups/Pages/WGNEPS.aspx>), al ICM Barcelona (España), el 5-8 Noviembre de 2013.

i- Co-organizador con Don I. García (Embajada Canadiense en Madrid) y el Ocean Network of Canada (ONC) de la Reunión Institucional “Ocean Seminar”, 21 Noviembre 2014. Hotel America, Barcelona (España).

l- Comité Científico del International Workshop on Marine Technology 2015 (MarTech '15). Observatories, remote sensing Session. 15-16 September 2015. Universidad Politécnica de Cartagena, Cartagena (Spain).

m- Co-organizador con Don I. García (Embajada Canadiense en Madrid) y el Ocean Network of Canada (ONC) de la Reunión Institucional “Ocean Seminar”, 5-6 Noviembre 2015. Instituto de Ciencias del mar (ICM-CSIC), Barcelona (Spain). [<https://www.cdti.es/recursos/eventosCDTI/4916.pdf>]

n- Comité Científico del International Workshop on Marine Technology 2016 (MarTech '16). Observatories, remote sensing Session. 27th and 28th October 2016. Instituto de Ciencias del Mar (ICM-CSIC), Barcelona, Spain.

o- Comité Científico 2nd International Conference on Pattern Recognition (ICPR), Workshop: Computer Vision for Analysis of Underwater Imagery (CVAUI; <http://cvauui.oceannetworks.ca/>). Next 4th December 2016. Cancún, México.

p- Comité Científico del The Crustacean Society Mid-Year Meeting. 19-22 June 2017. CosmoCaixa, Barcelona (Spain).

r-Comité Científico 3rd International Conference on Pattern Recognition (ICPR), Workshop: Computer Vision for Analysis of Underwater Imagery (CVAUI; <http://cvaui.oceannetworks.ca/>). XXXth August 2018. Beijing, China.

s-Board of Editors of the Croatian Journal of Fishery.

t- Co-organizador con Dr. F. de Leo y Prof. K. Juniper del Ocean Network of Canada (ONC) del Ocean Networks Canada research-theme focused Workshop “Marine cabled observatories: moving towards applied monitoring for fisheries management, ecosystem functioning and biodiversity”. 4-5 Octubre 2015. Instituto de Ciencias del mar (ICM-CSIC), Barcelona (Spain).

4. Habilitación Científica Nacional para la Escala de Profesorado Universitario de Italia (Bando 2012 (DD n. 222/2012) en el área de 05/C1-Ecología

a-Habilitación Profesor Catedrático (Nivel: *Full Professor*; Primera Franja)

b-Habilitación Profesor Asistente (Nivel: *Associate Professor*; Segunda Franja)

5. Becas Especiales

a-2008. Beca Agencia Española de Cooperación Internacional para el Desarrollo (AECID). Estancia en la Universidad de Seattle (WA, USA). Lab. Prof. I. de la Iglesia para “El estudio de los mecanismos moleculares implicados en la regulación circadiana del comportamiento de la cigala, *Nephrops norvegicus* (L.)”.

6. Miembro de Comites Internacionales

a. Miembro del “Working Group on *Nephrops* Surveys (WGNEPS) del International Council for the Exploitation of the Sea (ICES; <http://www.ices.dk/community/groups/Pages/Members.aspx?Acronym=WGNEPS>).

b. Miembro del Comité de protection de las areas Marinas Profundas del mediterraneo, gestionado por la Agence des Aires Marines Protégées of France (AFFAM) form the International Union for Conservation of Nature (IUCN).

c. Miembro Experto del International network for Scientific investigation of deep-sea ecosystems (InDEEP) Community (<http://www.deepseaexperts.org/node/682>).

7. Arbitraje de trabajos científicos en las revistas del SCI

Acta Hictyologica Piscatoria (ms: AIEP-02007-2016-01); *Animal Behaviour* (ms: A10902[1]; A9439); *Animal Biodiversity and Conservation* (ms: 16/46); *Aquatic Ecology* (ms: AECO260); *Aquacoltural engineering* (ms: AQUE-D-11-00092; AQUE-D-13-00054); *Arquipleago review* (ms: Cascais Canyon Oct2015hrm), *Austral Ecology* (ms: AEC-15-188-OA); *Biological Journal of the Linnaean Society* (ms: BJLS-0563; BJLS-1406); *Canadian Journal of Fishery and Aquatic Sciences* (ms: cjfas-2013-0611.R1; cjfas-2017-0370); *CBM-Cahiers de Biologie Marine* (MS6CBE); *Chronobiology International* (ms: LCBI-2011-0054); *CIGR Journal* (ms: M08 and M09, Special issue Food Supply Chains); *Computer and Electronic in Agriculture* (ms: COMPAG-D-13-00047R1; COMPAG-D-14-00087; COMPAG-D-15-00283); *Continental Shelf Research* (ms: CSR_2017_81 [170417-003013]); *Deep-Sea Research 1* (ms: DSR2-D-14-00110; DSR1-D-15-00032; DSR1_2018_225); *Ecotoxicology and Environmental Safety* (ms: EES-13-867); *Fishery Research* (ms: FISH 3445, 5456, 3806); *Fishery Management and Ecology* (ms: FME 07/52); *Food Control* (ms: FOODCONT-D-12-00189); *Frontiers in Biosciences* (ms: 5_11_09[1].doc Nery et al.); *ICES Journal of Marine Science* (ms: 173-06-AG; ICESJMS-2014-422, ICESJMS-2014-365); *Italian Journal of Agrometereologia* (ms: Brigehtti et al., 2014); *Journal of Marine Science* (ms: 173-06-AG); *Journal of Underwater Technology* (ms: 178-Fisher); *International Journal RF Technological Research Applications* (ms:30788-13-73); *Italian Journal of Zoology* (ms: ID TIZO-2010-0190); *Journal of Applied Ichthyology* (ms: JAI-07-028); *Journal of Circadian Biology* (ms: JCB-1301); *Journal of Circadian Rhythms* (ms: 7457881371623869); *Journal of Experimental Biology* (ms: JEXBIO/2016/138388); *Journal of Experimental Marine Biology and Ecology* (ms: JEMBE-D-15-00427; JEMBE-D-16-00137); *Journal of Neuroscience Methods* (ms: JNEUMETH-D-12-00458); *Journal of Oceanic Engineering* (ms: 2015JOE001802R; OE-D-16-00071.); *Journal of Research and Reports on Biodiversity* (ms: 70322); *Journal of Underwater Technology* (ms: 178); *Journal of Zhejiang University Science C*

(*Computers & Electronics*) (ms: ZUSC-D-11-00381); *Marine Biology* (ms: MABI-D-06-00266; MABI-D-06-00484; MABI-D-07-00263; MABI-D-12-00599); *Marine Ecology* (ms: 44EMBS); *Marine Environmental Research* (ms: MERE-D-15-00398); *Marine & Freshwater Behaviour & Physiology* (ms: MFBP2009-7-2; MFBP2012-10-4); *Methods in Ecology and Evolution* (ms: MEE-17-11-973); *Marine Ecology Progress Series* (ms: 200906077; 201002013; 201506023; 201611002; 201705051; 201805019; 201810049; 201811026_0_3); *PLoS ONE* (ms: PONE-D-12-40654; PONE-D-13-13942; PONE-D-14-25662); *Progress in Oceanography* (ms: PROOCE_2018_81; PROOCE_2017_276; PROOCE_2018_79); *Review of Fish Biology and Fisheries* (ms: RFBF-D-16-00019); *Scientia Marina* (ms: SM 2005; SM 2330; SM 2313; SM 2598); (MS: SREP-16-18444); *Scientific Reports* (ms: SREP-17-21353); *Sensors* (MS: sensors-10368; sensors-56447); *Vie et Milieu* (ms: VM1205).

8. Actividad de Consultoría

- a. 2016. Actividad como consultor para “*Intelligent Seafloor Monitoring & Consulting (iSeaMC)*”. CEO, Prof. Laurenz Thomsen (thomsen@jacobs-university.de).
- b. 2016. Actividad como consultor para NEKTON “<https://nektonmission.org/>”
- c. 2016-2019. Actividad como consultor para el desarrollo de redes de observatorios marinos en Qindao (China) por parte del Qindao Marine Laboratory (QML)

9. Associated Editor

Croatian Journal of Fishery

10. Campañas oceanográficas

- 14) 2009 – PROMETEO 5 – BIOFUN 2 – 24/10/09- 06/11/09 Mediterráneo Occidental (Cañón de Blanes). Campaña sobre la dinámica oceanográfica y biológica de profundidad del Cañón de Blanes. Muestreo multidisciplinar. B/O “García del Cid”. Jefe campaña: Joan B. Company.
- 13) 2009 – PROMETEO 4 – 3/9/09- 13/09/09. Mediterráneo Occidental (Cañón de Blanes). Campaña sobre la dinámica oceanográfica y biológica de profundidad del Cañón de Blanes. Muestreo multidisciplinar. B/O “García del Cid”. Jefe campaña: Joan B. Company.
- 12) 2009 – BIOFUN 1 – 29/05/09-28/06/09. Trans-Mediterránea. Campaña sobre el estudio de los ecosistemas batial y abisal a través de un gradiente longitudinal en el Mediterráneo. Muestreo multidisciplinar. B/O “García del Cid”. Jefe campaña: Francesc Sardà
- 11) 2009 – PROMETEO 3 – 6/5/09-16/05/09. Mediterráneo Occidental (Cañón de Blanes). Campaña sobre la dinámica oceanográfica y biológica de profundidad del Cañón de Blanes. Muestreo multidisciplinar. B/O “García del Cid”. Jefe campaña: Joan B. Company.
- 10) 2009 – PROMETEO 2 – 17/02/09-10/03/09. Mediterráneo Occidental (Cañón de Blanes). Campaña sobre la dinámica oceanográfica y biológica de profundidad del Cañón de Blanes. Muestreo multidisciplinar. B/O “García del Cid”. Jefe campaña: Joan B. Company.
- 9) 2008 – PROMETEO 1 – 24/10/08- 3/11/08. Mediterráneo Occidental (Cañón de Blanes). Campaña sobre la dinámica oceanográfica y biológica de profundidad del Cañón de Blanes. Muestreo multidisciplinar. B/O “García del Cid”. Jefe campaña: Joan B. Company.
- 8) 2007 – EUROLEON I – 12/10/07-20/10/07. Mediterráneo Occidental (Cañón de Palamós y Blanes). Campaña de prospección de los grandes fondos de los principales cañones submarinos del Mediterráneo Occidental. B/O “Hespérides”. Jefe de campaña: Miquel Canals Artiga, Facultat de Geologia, Universitat de Barcelona (dentro del marco del proyecto PROMETEO).

- 7) 2003 – RECS II-5 – 28/10/03-12/11/03. Mediterráneo Occident
Al Cañón de Blanes. Campaña sobre la dinámica oceanográfica y biológica del Cañón de Blanes. Muestreo multidisciplinar. B/O “García del Cid”. Jefe de campaña: Joan B. Company
- 6) 2003 – RECS II-3 – 7/7/03-12/7/03. Mediterráneo Occidental (Cañón de Blanes).
Campaña sobre la dinámica oceanográfica y biológica del Cañón de Blanes. Muestreo multidisciplinar. B/O “García del Cid”. Jefe campaña: Joan B. Company
- 5) 2003 – RECS II-1 – 28/3/03-3/4/03. Mediterráneo Occidental (Cañón de Blanes).
Campaña sobre la dinámica oceanográfica y biológica del Cañón de Blanes. Muestreo multidisciplinar. B/O “García del Cid”.
- 4) 2001 – DESEAS – 6/6/01-2/7/01. Mediterráneo Central/Oriental (Mar Iónico). Campaña de
prospección de la especie *Aisteus antennatus*. Muestreo faunístico de las grandes profundidades
del Mediterráneo (hasta 4000 m). B/O “García del Cid”.
- 3) 2001 – ICEFISH – 15/1/01-15/2/01. Bransfield Strait, Antártida. Campaña de estudio de las
condiciones fisiológicas de la fauna antártica. B/O “Hesperides”.
- 2) 2000 – NERIT II. – 22/6/00-30/6/00. Mar Catalano-Balear. Campaña de estudio del ritmo
circadiano de la especie *Nephrops norvegicus*. B/O “García del Cid”.
- 1) 1999 – NERIT I. – 28/9/99-6/10/99. Mar Catalano-Balear. Campaña de estudio del ritmo
circadiano de la especie *Nephrops norvegicus*. B/O “García del Cid”