
Curriculum vitae

Constantin Koutsikopoulos
Professor
Department of Biology
University of Patras



PATRAS 2015

Constantin KOUTSIKOPOULOS

Curriculum vitae

Contents

EDUCATION - PROFESSIONAL EXPERIENCE	1
Education	1
Professional Experience	1
Languages	1
Administration and Management	2
Key areas of expertise	2
Professional Training	3
Computer Skills	3
EDUCATIONAL ACTIVITY	4
Summary of Teaching Activity	4
Teaching	4
Teaching Materials - Books - Electronic Publishing - Educational Software	5
Supervision of students' research	5
RESEARCH ACTIVITY	6
Research Interests	6
Funding - Research Grants	6
OTHER ACTIVITIES	10
Organisation of Conferences And International Meetings	10
Reviewing Activities for Journals and Research Programs	10
SUMMARY OF PUBLICATIONS	11
RESEARCH TASKS ANALYSIS	12
PUBLICATIONS - CONFERENCES - WORKING MEETINGS	15
1. Theses	15
2. Publications in international journals	15
3. Publications in national journals with reviewers	20
4. Publications in proceedings of international conferences with reviewers	20
5. Publications in national conferences with reviewers	22
6. Abstracts in proceedings of national conferences	27
7. Special editions	28

Constantin Koutsikopoulos

Curriculum vitae

Summary

Constantin Koutsikopoulos is Professor in the field of "Marine Ecology and Fisheries" in the Department of Biology of the University of Patras. Born in Athens in 1959, he received the Degree of Biology from the University of Patras in 1981. His postgraduate studies in Biological Oceanology were carried out at the University of Western Brittany (Brest, France). From 1983 to 1995 he worked as scientist at the ISTPM (Scientific and Technical Institute of Marine Fisheries) and then at IFREMER (French Research Institute for Exploitation of the Sea, Nantes, France) at various laboratories and locations. His main research activities, which were also the main objectives of the "National Program for the Study of Recruitment» (PNDR), were the analysis of the mechanisms determining the abundance fluctuations of fish stocks. The Institute had the program leadership and coordinated several research institutions and universities in various disciplines at national and international level. The research objective required a multidisciplinary approach and the large number of involved teams led him to the position of the interface between disciplines such as physical oceanography, mathematics, physiology, fisheries biology. In the latest period he took over the coordination of the research team studying the effects of environment on the abundance of sole, anchovy and eel, species requiring now special consideration in the context of the Common Fisheries Policy.

Since 1996 he is a faculty member in the Department of Biology of the University of Patras. Recognizing the specificity of the Greek ecosystems and fisheries, he undertook actions in the field of the small-scale coastal fisheries (SSCF) while continuing research on fisheries-environment interactions. Following the suggestions for effective cooperation between scientists, fishermen and administration, as it is presented in the Green Paper for the Future of the European Fisheries, he developed initiatives like the establishment of the "Scientific Documentation and Studies Organization" of the Hellenic Fishermen Confederation. In the context of the Regulation 1100/2007, he coordinated an official team and he presented the Hellenic Eel Management Plan which was accepted by the European Union in 2010.

Since entering the University of Patras he participated in 43 research projects and studies with a total budget for the University of 2,6 millions €. He has 170 publications 57 of which in the SCI with 1600 citations. He has been Head of the Department of Biology, Director of the Animal Biology Section, Director of Postgraduate Studies, President of the Scientific Documentation and Studies Organization of the Hellenic Fishermen Confederation, member of the administrative council of the Management Agency of the Messolonghi Lagoon protected area. At present, he is Dean of the School of Natural Sciences of the University of Patras, Director of the Environment laboratory of the School and President of the administrative council of the Management Agency of the Ambrakikos Wetlands.

Detailed CV can be found at <http://www.marecol.biology.upatras.gr/cv/ck>

Constantin Koutsikopoulos

Year / Place of birth: 13/3/1959, Athens
Married
Greek - French Nationality

University of Patras
Department of Biology

265 04 PATRAS
Tel. 2610-996100, 969242
Fax 2610-996100
e-mail: ckouts@upatras.gr

EDUCATION - PROFESSIONAL EXPERIENCE**EDUCATION**

- 1981 BSc in Biology, University of Patras
- 1982 Diplôme d'études Approfondies (DEA) in Biological Oceanology (University of Western Brittany, Brest, France).
- 1991 PhD, University of Western Brittany (France). Topic: "Influence of hydrological and hydrodynamic conditions on the recruitment of sole (*Solea solea* L.) in the Bay of Biscay (Atlantic Ocean, France)."

PROFESSIONAL EXPERIENCE

- 1983 - 1985 ISTPM (Institut Scientifique et Technique des Pêches Maritimes, Nantes, France). Scientist in a project studying the effect of the thermal tidal front of West Brittany on the productivity of the pelagic ecosystem.
- 1986 - 1990 IFREMER (Institut Français de Recherche pour l' Exploitation de la Mer, "French Research Institute for Exploitation of the Sea", Nantes, France). First class scientist in the Fisheries Oceanography laboratory (DRV/RH/OCEHAL).
- 1991 IFREMER (Nantes, France): Scientist in the Laboratory of Applied Mathematics for renewable resources (MAERHA).
- 1992 - 1995 IFREMER (Nantes, France): Coordinator of research group (8 scientists, 4 technicians) engaged in the study of the effects of the environmental processes on the abundance fluctuations of exploited marine populations (DRV/RH/ECOHAL/Unité de recherche 1).
- 1996 - 2000 Assistant Professor in the Department of Biology, University of Patras. Expertise: Marine Biology, Fisheries, Aquaculture.
- 2001 - 2008 Associate Professor in the Department of Biology, University of Patras. Expertise: Marine ecology and fisheries.
- 2008 - Professor, Department of Biology, University of Patras. Expertise: Marine ecology and fisheries.

LANGUAGES

Greek, English, French

ADMINISTRATION AND MANAGEMENT

- 1993-1995. Coordinator of a Research Group studying the dynamics of recruitment of sole, anchovy and eel, in the "Fishery Resources» Department (Département de Ressources Halieutiques) of IFREMER (France).
- 2002 - Scientific Consultant of the Hellenic Fishermen Confederation
- 2002 - 2003 Member of the Scientific Board of Aquaculture Center of Acheloos S.A. (ACEA S.A.)
- 2004 - 2008. President of the "Scientific Documentation and Studies Organization of the Hellenic Fishermen Confederation"
- 2005 - 2006 Director of the Animal Biology Section of the Department of Biology, University of Patras
- 2009 - 2010 Coordinator of the National Group of experts for the preparation of the Hellenic Eel Management Plan in the context of the regulation 1100/2007
- 2009 - 2011 Deputy Head of the Department of Biology, University of Patras
- 2010 - Member of the administrative council of the Management Agency of the Messolonghi Lagoon Protected Area
- 2010 - 2013 Director of Postgraduate Studies of the Department of Biology, University of Patras
- 2011 - 2013 Deputy Head of the Department of Biology, University of Patras
- 2012 - Director of the Environment Laboratory of the School of Natural Sciences, University of Patras
- 2013 - 2014 Head of the Department of Biology, University of Patras
- 2014 - President of the administrative council of the Management Agency of the Ambrakikos Wetlands
- 2014 - Dean of the School of Natural Sciences composed by the Departments of Biology, Chemistry, Physics, Geology, Mathematics and Material Science of the University of Patras

KEY AREAS OF EXPERTISE

- Design and implementation of Oceanographic Cruises
- Organization and supervision (implementation) of observation and research activities in the marine environment
- Mapping and analysis of technical cartography
- Automated collection and parameter processing of the marine environment
- Design and construction of sampling equipment and related software for oceanographic operations
- Sampling theory and sampling plans
- Database design and implementation
- Statistical analysis and data processing
- Systems analysis and modelling (simulation and modelling)
- Interaction of physical and biological mechanisms, diagnosis of critical spatio-temporal scales
- Environmental impact studies

- Software development for educational and research purposes
- Structure and dynamics of fish production systems
- Monitoring of fishing activities

PROFESSIONAL TRAINING

- 1984: Development of computer programs for statistical data analysis (multivariate methods), Plymouth Marine Laboratory.
- 1986: Collection, storage and analysis of environmental data collected from high-speed towed vehicles ("V-FIN") and remote controlled multiple sampling nets (BIONESS), Institut Maurice Lamontagne in collaboration with the LAVAL University (Québec, Canada).
- 1987: Mapping Techniques: main projections, coordinate conversions and development of computer programs (Nantes, France).
- 1988: Seminar on explicit expression and scientific writing (CCI Nantes, France).
- 1989: Processing and analysis of oceanographic data for the study of physical - biological interactions in the Ocean (Ministry of Fisheries and Oceans & LAVAL University, Québec, Canada).
- 1992: Statistical analysis and modelling of the temporal changes of containment preservatives in wooden poles. (Power Public Corporation, Directorate of Studies).
- 1993: S + programming and statistical analysis environment (UNIX).

COMPUTER SKILLS

Advanced experience in programming languages C, C + +, PASCAL, FORTRAN, R in MS DOS, Windows, X-Window and UNIX environment. Software development in Windows environment. Advanced knowledge of the main database, design, word processing and statistical analysis software.

EDUCATIONAL ACTIVITY

SUMMARY OF TEACHING ACTIVITY

Teaching	Total
Participation in teaching undergraduate courses (Mand./Option.)	1/2
Participation in teaching postgraduate courses (Mand./Option.)	1/4
Chapters in textbooks	2
Educational notes	1
Educational software	2
Supervisor of Diploma theses/ Postgraduate Research	24/31
PhD (Supervisor / Member Consultative Com.)	5/8

TEACHING

Undergraduate studies

In the context of Biology studies of the University of Patras, participation in courses:

- Marine Ecology (fisheries and environment, fish stock assessment and management)
- Ecology I (Organisms and environment, population dynamics, management principles of biological resources, ecological models, strategies and analysis of data sampling)
- Computer Applications in Biology

Post Graduate Studies

M.Sc. Degree - Department of Biology of University of Patras

- Productivity of marine ecosystems
- Population dynamics and management of fish stocks
- Ecological modeling
- Sampling Design and Analysis

M.Sc. Degree “Management of terrestrial and sea biological resources” of the University of Crete participation in teaching lectures:

- Dynamics and management of fish populations

Participation in the Interdepartmental Graduate Program in Environmental Sciences of the Faculty of Sciences of the University of Patras

- Ecology & Management of Natural Ecosystems (Applied Ecology)
- Methods of Environmental Impact Assessment

Participation in the Inter-University Graduate Program “Sustainable Management of Protected Areas»

- Sampling Theory and Applications in Ecology

- Integrated Coastal Zone Management

TEACHING MATERIALS - BOOKS - ELECTRONIC PUBLISHING - EDUCATIONAL SOFTWARE

- Book chapter "The marine environment as a source of energy and raw materials" and "Marine habitats and biota" in the book theme "The environment as a recipient of waste" of the Greek Open University.
- "Sampling: Concepts and Applications" Notes on the Ecology Laboratory Course I
- Population dynamics: simulation exercises. Interactive Training software with Windows
- Monitoring of Natural Systems: Detection of Environmental Impacts. Interactive Educational Software at Windows

SUPERVISION OF STUDENTS' RESEARCH

PhD

Supervision: 1) Gauthiez F. 1997. Doctorat de Biometrie, Université Claude Bernard - LYON I, 2) Tzanatos E. 2007, 3) Zompola S. 2008, 4) Kyparissis 2008, 5) Moutopoulos D. 2012.

Member of PhD consultative committee: 8, University of Patras, Department of Biology, University of Thessaly, Department of Agriculture Crop and Animal Production, Univ. of Crete, Department of Biology.

PhD Jury Memberships: 16 at various institutions in Greece and abroad

M.Sc. Theses

Supervision of 31 M.Sc. in the fields of Biological oceanography, fisheries, modeling and analysis of meteorological data.

Undergraduate Dissertations

24 dissertations in the fields of biological oceanography, ecological models, physical Oceanography (in the Physics Department) and the development of software for image analysis (Department of Computer Engineering).

RESEARCH ACTIVITY

RESEARCH INTERESTS

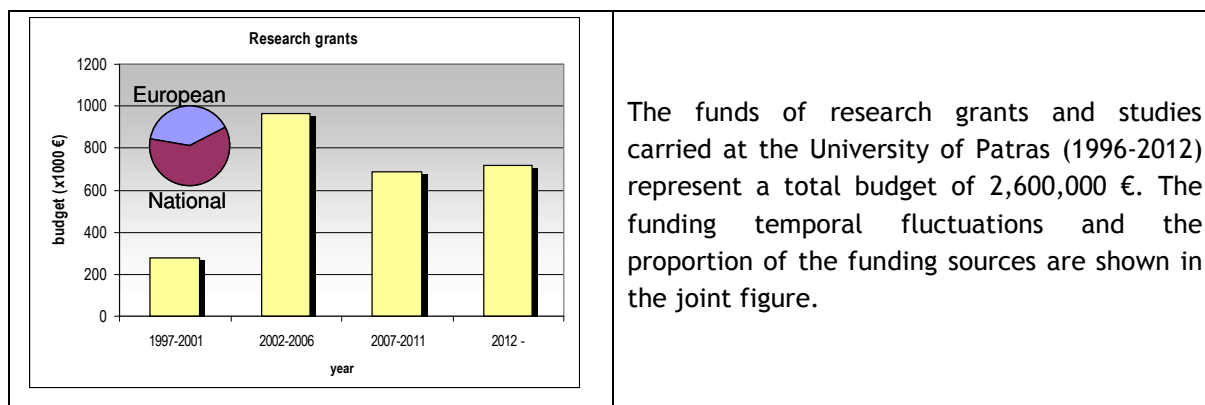
His research interests include the study of structure and the analysis of the dynamics of marine ecosystems and the exploitation systems of biological resources. The main research interest lies in studying the effect of environment on the dynamics of natural renewable resources. The study of the fisheries - environment interactions represented the backbone of the research activity until the beginning of the last decade. It is evident that the nature of the problem is complex and requires the cooperation of physical and biological oceanographers, fisheries biologists, meteorologists and mathematicians to study the mechanisms and develop models. The publications of the period 1985-2000 have strong interdisciplinary character with emphasis on the analysis of physical and biological interaction mechanisms and often resulted in the development of models. The implementation of these studies was based on years of extensive field research with the use of the fleet of IFREMER and led to the development of new tools and techniques. The experience of long-term, targeted and systematic collection of high quality information was crucial for all participants in the PNDR program (Programme National sur le Déterminisme du Recrutement - National Programme for the determination of recruitment) and it influenced strongly the research profile of the Fisheries Oceanography in France.

The marked differences between France and Greece, which characterize the structure and functioning of both fisheries research and management of living marine resources and the particularities of the Greek natural systems, affected the priorities and the nature of the research activity from entering the University of Patras in 1996. The need to obtain funding, the lack of operational strategy for fisheries with the universities playing a marginal role and the limited exchanges between research, exploitation and management defined the priorities. The small coastal fishing, the transitional ecosystems such as lagoons and the resources associated with them, the largely ignored very coastal zone (less than 2m depth) and its importance for the Mediterranean fisheries were the main research topics during the last decade. In each of these areas, guidance and implementation of a doctoral thesis provided the necessary primary information. Furthermore, the close link with the fishermen and the central and regional administrations facilitated the conversion of the accumulated knowledge and experience in products and activities useful for the rational management of fisheries resources in the context set by the Common Fisheries Policy. Typical example of the sequence “basic research, PhD dissertation and management approach” is the development of the Hellenic Eel Management Plan produced following the E.U. Regulation 1100/2007.

The research activities concern marine ecosystems (both oceanic and coastal), transitional (lagoons) and inland waters.

FUNDING - RESEARCH GRANTS

The participation in research projects is characterized by two periods. The first one, from the beginning up to 1995, concerns mainly the participation in French national programs. For nearly 10 years the research was funded by the PNDR (Programme National sur le Déterminisme du Recrutement) which is further presented in the following sections. The last years of this period, acting as coordinator of a research team composed by scientists belonging to various centers of IFREMER (8 scientists, 4 technicians) I participated in actions aiming to guide future research for the exploitation of marine biological resources respecting the marine ecosystem. The funding of this research came at about 90% from the budget of the national programs. These facts explain the prolonged existence, diversity and the character of the studies in the Bay of Biscay.



The funds of research grants and studies carried at the University of Patras (1996-2012) represent a total budget of 2,600,000 €. The funding temporal fluctuations and the proportion of the funding sources are shown in the joint figure.

Participation as expert, scientist, Project Coordinator for the University of Patras and the Organization for Scientific Documentation and Studies Organization of the Hellenic Fishermen Confederation (*) or Global Coordinator (◇) in the following programs:

1. The swordfish fishery in the central and eastern Mediterranean (European Union, DG-XIV, 97/0046)
- 2 * Evaluation of the Southern Greek anchovy stocks (European Union, DG-XIV, 97/0048)
- 3 * Evaluation of the Southern Greek sardine stocks (European Union, DG-XIV, 98/039)
- 4 * Etude comparative de la dynamique des stades larvaires de l'anchois du Golfe de Gascogne et de la mer Ionniene (IFREMER-France et Université de Patras)
- 5 * Experimental glass eel fishery in Western Greece, breeding and acclimatization of weaning (PAVE 97BE354)
- 6 * Comparative study of the structure and dynamics of the marine ecosystem of Patras and the Corinthian Gulf. (University of Patras, Basic Research Program Support)
- 7 Structure and dynamics of the lagoon Pappas (Greek Centre for Marine Research)
- 8 Study of hydrological and biological characteristics of the lagoon Koutavos of Cephalonia (Central and local administrations)
- 9 * The swordfish fishery in the Mediterranean (European Union, DG-XIV, 99/032)
- 10 * Investigation of the bluefin tune fishery in the eastern Mediterranean (European Union, DG-XIV, 00/044)
- 11 * Programme implementing the monitoring of eel stocks (for all life cycle stages) in the country (Ministry of Agriculture 260366/30-12-1999)
- 12 Study of organization and operation of lagoon fisheries (PESCA Ministry of Agriculture Directorate of Aquaculture and Internal Waters)
- 13 Pilot development of the wider area of Kopraina (Arta), where the extensive aquaculture and coastal fisheries are developed. Bus. (PESCA Ministry of Agriculture Directorate of Aquaculture and Internal Waters)
- 14 * Comparative study of somatic growth of reared and wild white seabream (*Diplodus sargus*) and analysis of the effect of environmental conditions (PAVE 2000)
- 15 * Collection and management of data from the commercial fisheries in Greece (European Union, DG-XIV)
- 16 * Establishment of a Recruitment Monitoring System, Glass Eel (European Union, DG-XIV, Study contract n°98/076)

-
- 17 * Association of Physical and Biological processes acting on Recruitment and post-recruitment of anchovy (European Union, FAIR project, Q5RS-2002-01216)
 - 18 ◇ Typology of Greek professional small-scale fishermen based on fishing, economic and social characteristics (Operational Program for Fisheries 2000-2006)
 - 19 ◇ Fisheries in Cyclades in the context of Green Paper for European Fisheries (Regional Operational Program - South Aegean 2000-2006)
 - 20 ◇ Diversification activities based on local resources special characteristics. Transnational projects for innovative actions in the fisheries sector (2003/C115/08-07)
 - 21 * Fisheries production data collection (HCMR, 2003-2004)
 - 22 * Socioeconomic diversification of the small scale fisheries in Marine Protected Areas (2002/C 132/11/38)
 - 23 * Encourager la pêche responsable dans l' ensemble du bassin Méditerranéen pour limiter les menaces du changement climatique (H20) (INTERREG IIB 2006)
 - 24 * Small scale fisheries in Europe - 5 case studies (E.U. FISH/2005/10)
 - 25 * MYCOS (EU 2005, EMPA & HFC)
 - 26 * Fisheries production data collection (HCMR, 2005-2006)
 - 27 Effect of aquaculture on the marine environment and adaptation of the capacity to environmental characteristics of the marine ecosystems (Operational Program for Fisheries 2000-2006)
 - 28 ◇ Pilot study for the computer infrastructure development and the networking of the Collective Fisheries Agencies (Operational Program for Fisheries 2000-2006)
 - 29 ◇ Fishing activity in the Gulf of Corinth and the Gulf of Patras: Current situation and prospects (Operational Program for Fisheries 2000-2006)
 - 30 * Mitigating Adverse Ecological impacts for open ocean fisheries (MADE) (7th Framework Program on Research, Technological Development, E.U. 2008-2011)
 - 31 ◇ Fishing activity in the Gulf of Amvrakikos: Current situation and prospects (Operational Program for Fisheries 2000-2006)
 - 32 Spatial distribution of eel (*Anguilla anguilla*), growth, stock assessment and management of the species (2009, Operational Program for Fisheries 2007-2013)
 - 33 Regional social and economic impacts of change in fisheries-dependent communities (FISH/2006/09)
 - 34 Study of hydrodynamics in areas of fish farms (2010, Oceanus Net, Faming companies)
 - 35 * Technical measures and actions for the support of the eel in dams and locations with infrastructures of the Public Power Corporation S.A.
 - 36 'Oxygenation by efficient air diffusion system for aquaculture farms (cages and earthen ponds) AirX project (7th Framework Program on Research, Technological Development, E.U. 2012-)
 - 37 * Pilot study to estimate the state of European eel in Greece in the context of the Data Collection Regulation of the EU
 - 38 Evaluation of the ecosystem state of lagoons, lakes and rivers in the area of the Management Agency of the Messolonghi lagoons in the context of the Habita (92/43) and Birds (79/409) Directives

-
- 39 National Program for collection of Fisheries data in the context of DCR
- 40 ◇ Design and application of new selective traps in order to increase the escapement of commercially undersized fishes from the fixed barrier traps of the Messolonghi lagoon fisheries (Operational Program for Fisheries, 2014-2015)
- 41 * Pilot study to estimate the state of European eel in Greece in the context of the Data Collection Regulation of the EU
- 42 Fishery resources study in the context of the development of a Marine Reserve around the Yaros island (Aegean Sea)(2014)
- 43 ◇ Monitoring two fish species of the Annex II of the Directive 92/43 in the context of the Program of protection and conservation of the of the biodiversity of the National Park of the Kotychi-Strofylia wetlands (2013-2015)

OTHER ACTIVITIES

ORGANISATION OF CONFERENCES AND INTERNATIONAL MEETINGS

- European meeting on the plankton - anchovy interactions, 7-8 Nov. 1994 IFREMER, Nantes, France (Chairman of the Organizing Committee)
- 9th National Conference of Ichthyologists, Messolonghi, 20 to 23 January 2000 (Chairman of Organizing Committee)
- 10th National Conference of Ichthyologists, Chania, 18 to 20 October 2001 (member of the scientific committee)
- International Conference on Fishing and Environment in S.E. Europe». Preveza 28-30 June, 2002. (Member of the International Scientific Committee)
- FORUM for Young Scientists “Applied research in the field of intensive and extensive aquaculture” Patras February 19, 2003 (President of the Organizing & Scientific Committee)
- 11th Panhellenic Conference of Ichthyologists, Preveza, 10 to 13 April 2003 (member of the organizing and scientific committee)
- Meeting of Mediterranean Small Scale Fishermen (EU, France, Spain, Malta, Cyprus, Greece) Messolonghi 2004 (Chairman of the Organizing Committee)
- 12th Panhellenic Conference of Ichthyologists, Drama, 13 to 16 October 2005 (member of the scientific committee)
- 13th Panhellenic Conference of Ichthyologists, Mytilene, Sept., 2007 (member of scientific committee)
- 14th Panhellenic Conference of Ichthyologists, Athens, May 2010 (member of scientific committee)

REVIEWING ACTIVITIES FOR JOURNALS AND RESEARCH PROGRAMS

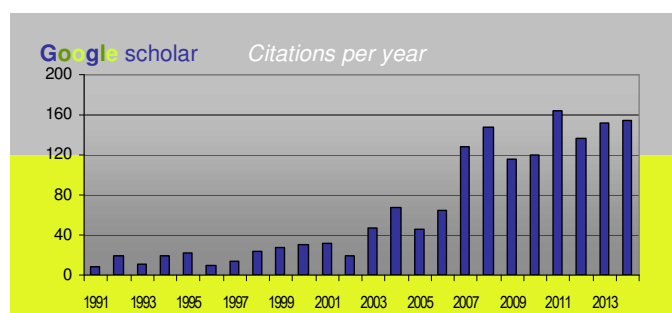
- Reviewer in several journals including Fisheries Oceanography, Oceanologica Acta, Aquatic Living Resources, Netherlands Journal of Sea Research, Journal of Fish Biology...
- Evaluator of G.S.R.T: Project Programs including “Greek-French cooperation”
- Evaluator of Ministry of Education projects
- Participation in expert committees of G.S.R.T
- Referee of research and development proposals of (R & D) Ministry of Agriculture, Fisheries and Food (MAFF) in U.K. entitled: ‘Physical and Biological Controls on Fish Stocks
- Examiner of S.S.F. scholarships for graduate studies
- Evaluator of G.S.R.T. Programs
- Member of the advisory board of the Run Sea Science project (FP7 - Capacities)

SUMMARY OF PUBLICATIONS

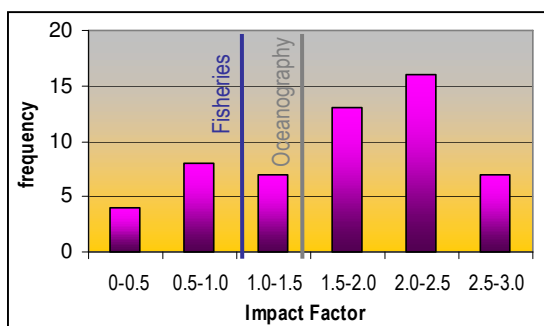
Participation in Research Projects (covering the period of presence in the University of Patras)	Total
European (Coordinator / Scientific Manager)	17 (1/15)
National (Coordinator / Scientific Manager)	26 (10/6)
Publications - Conferences	
Theses	2
International Publications (SCI)	69 (57)
Proceedings of international conferences with referees	29
Proceedings of national conferences with referees	57
Proceedings, abstracts, publications	12

Details of the published work according to the database Google scholar are summarized in the figures below.

Google scholar (22/07/2015)	
Citation indices	All
<u>citations</u>	1711
<u>h-index</u>	23
<u>i10-index</u>	44



Summary of the impact factor of the SCI publications: Total number: 57, minimum/maximum factor 0.3/2.8, total factor 103.9, average factor 1.82. The distribution of the journals impact factor and the comparison with the median impact factor of the fields “Fisheries” and “Oceanography” are presented in the next figure.



Distribution of the 5-years impact factor* and comparison with the median impact factor of the categories Fisheries (1.051) and Oceanography (1.484) according to the classification by subject of the journals (Journal Citation Reports 2010)

*for journals that have been stopped publishing the closest index to the year of publication

RESEARCH TASKS ANALYSIS

Temporal Evolution

The framework and objectives of the research activity varied over time and can be decomposed into five periods. The classification is based on the effective realization of the research and not the presentation and publication of results which usually follow with some delay

1983-1985. This period is characterized by the participation in a large project carried out off the French Atlantic coast and mainly concerned the analysis of the structure and dynamics of the thermal front of the Iroise Sea, (Western Brittany) based on physical, chemical and biological characteristics. It was a basic research project and its main asset was the effort of organizing and implementing a multidisciplinary approach which was identified as a priority by the international scientific community since late 70's. My contribution concerned the study of zoo and ichthyoplankton.

1986-1995. The previous experience of the difficulty to effectively integrate physical and biological oceanographers revealed useful for organizing the second program on the analysis of the mechanisms governing the recruitment (annual strength class) of the sole population (*Solea solea*) in the Bay of Biscay. These studies were the main component of the French national program for the study of the mechanisms of recruitment of marine populations PNDR (Programme National sur le Déterminisme du Recrutement).

During 10 years I was involved, with various positions and roles, in the project studying the influence of environmental conditions (meteorology, hydrology and hydrodynamics) on the temporal variation of the level of population abundance. The need for effective management of exploited fish population must be accompanied by a better understanding of the respective influence of the natural and anthropogenic impact on the abundance fluctuations. Thus, studies of the mechanisms of recruitment (recruitment processes) were launched with the primary purpose of analyzing the effect of environmental conditions governing the annual level of abundance. Their main characteristic is the joint organization, coordination, mutual acceptance of objectives and questions, the simultaneous and gradual development of studies in all disciplines and the pooling of observations and results. The frame of the study is composed by 13 oceanographic expeditions for the early life stages and 9 coastal cruises for the juveniles, with national and abroad partnerships, carried out between 1985 and 1989. In addition to the research products, the main result of the actions was the effective approach and cooperation of different disciplines (physics, chemistry, fisheries research, biology, physiology, mathematics, etc.). This coupling was gradually converted into common sea actions and joint publications leading to the development of mathematical models that incorporate the experimental findings and field recordings of the entire life cycle of the species and describe the basic interactions of physical and biological mechanisms.

The period **1992-96** is characterized by the enlargement of the approach to another species with different life cycle like anchovy (*Engraulis encrasicolus*). Furthermore, as coordinator of the research group, I participated to the research focused on glass eel inshore migration dynamics which it was carried out by members of the group. This experience appeared very useful later.

1996-2001. The period can be considered as an integration period in the Greek research community. An effort was made to continue operating in the study of the interactions between physical and biological mechanisms that determine the structure and dynamics of fish populations. The difference with the previous period is that the attitude, the available human resources, the infrastructures, the lack of national strategy, the priorities of the marine research

and the limited funding, made the fishery-environment interactions studies rather scarce, marginal and in any way outside the main funded research projects in Greece. They were a “by-catch” of the surveys of stock assessment actions. Despite the fundamental interest of the fishery-environment interactions these actions still remain local, short and occasional in Greece.

2002-2007. The above mentioned context obliged the reconsideration of the main research actions and orientations in order to respect the national priorities and functioning and also in order to exploit the regional advantages (ecosystems, experience, needs at European and national level). The involvement in activities aimed at analyzing the structure and dynamics of production systems revealed important. The main objective was focussed on the analysis of the small-scale coastal fisheries (SSCF). The selection was based on the fact that Greece has the largest fleet in Europe (number of vessels, fishermen, fishery dependent areas) and our knowledge of the complex sector is extremely limited.

During this period research and studies related to the physical and biological interactions in coastal ecosystems such as bays and lagoons were carried out adopting more empirical models than those developed in the previous period in the Atlantic. In parallel, intense activity was developed in collaboration with stakeholders and regional and central fisheries administration. The establishment of the “Scientific Documentation and Studies Organization” of the Hellenic Fishermen Confederation led to Europe-wide initiatives exploring the possibilities to create a Mediterranean representation structure of the sector.

2008 - 2012. The period is characterized by fundamental research activity and by actions that are directly related to fisheries management. The development of a typology of coralligene formations in the Aegean is a reference work for the Eastern Mediterranean. This research is part of a fisheries study in the Central Aegean and is fully integrated in the context of the Mediterranean fisheries regulation which makes special reference to the protection of the important habitats for fish resources. Also, the extreme anoxic conditions occurring in the Amvrakikos Gulf (NW Greece) were observed and analyzed in the context of a fishery study carried out by the “Oceanus” network of the University of Patras. The reason for the extensive oceanographic survey carried out was the massive fish mortality of about 1000 tonnes occurred in February 2008. These two initiatives clearly show that the fisheries research and studies can be an effective platform for the development of high quality oceanographic research. The experience accumulated during the 80’s appeared very helpful. The development of the Hellenic Eel Management Plan following the Regulation 1100/2007 for the Member States, converted the basic research and a PhD conducted the previous years in the laboratory to a management tool.

Finally it is worth mentioning that the experience of the last decade from the managerial practices, the negotiating weaknesses of the Greek government and the lack of data and specific methodological approach revealed the need for analysis, documentation and serious consideration of Hellenic specificity as a key point for the future of the Greek fisheries under the Common Fisheries Policy.

Thematic Analysis

Almost all of the articles and publications fall within the field of Biological Oceanography, Marine Ecology and Fisheries. The following table is an attempt to categorize the publications in relation to the target, the approach and prospects. Naturally, the thematic areas are interdependent and overlapping. The work carried out is characterized by an obvious effort to analyze and quantify parameters and mechanisms. In many cases the approach and the targets are originals. Examples are the papers presenting the model of the sole population of the Bay of Biscay and the corresponding effort for the North Aegean Sea anchovy (B55), also B19 and B22 which contain

information on the abiotic environment presented in a practical and useful form for the fisheries biologists. This last work shows the increasing trend of sea surface temperature of the Bay of Biscay in mid 90's and before the beginning of the massive reference to global climate changes. The paper B51 reveals an aspect of the environmental impact of fish farming which is rarely approached. Interesting and innovative aspects were presented on the structure and production of the Greek small coastal fishing, for which little data are published, particularly those dealing with the identification of fishing métiers. Innovative are also the data concerning the corraligene formations of the Eastern Mediterranean which are protected ecosystems very important for the regional fisheries (B59).

Finally, the research activity covers oceanic ecosystems, coastal, transitional ecosystems (lagoons) and inland waters.

Marine Biological Resources	Oceanography – Ecosystems -Environment	Marine Biology, Aquaculture
Fish stock abundance estimation 2] 29,38,55,23	Environmental characteristics (heterogeneity in space, changing trends, fluctuations of abiotic parameters) 2] 19,22,59,61 4] 25 5] 16,40,44,54,55	Aquatic Biology (physical growth, morphology, reproduction, etc.) 2] 1,24,30,35,37 4] 3,13,24 5] 7,12,30,36,41,42,52
Data Analysis of fisheries production (structure of production systems, technical approaches, landing fluctuations, link to environmental and socio-economic characteristics) 2] 39,42,44,47,49,51,54,58,62,64,65,69 4] 19,23,26 5] 8,9,11,14,19,20,21,22,24,26,27,28,29,31,32,37,38,43,45,46,47,48,49,50,51,54	Patterns of spatio-temporal distribution 1] 2 2] 11,16,17,18,33,34,45,55,56,57,62,68 4] 10,12,15 5] 6,17,33,39,49 Spatial distribution of marine populations and relationship with environmental characteristics 1] 2 2] 3,4,5,6,7,8,10,12,13,15,23,26,33,34,40,67 41,43,45,46,48,52,50,53,57 4] 1,2,4,5,7,11,12,17,18,21,22,24 5] 1,2,3,4,5,13,15,35,52 Models (conceptual, empirical, analytical, simulation), spatial distribution and abundance changes, association with abiotic characteristics 1] 2 2] 14,15,17,20,22,27,28,42,55 4] 4,7,9 5] 31,34	Aquaculture - Environment 1] 1 2] 1, 2, 51, 63, 66
Methodological development (tools, methods of measurement and parameter estimation, identification keys, etc.) 1] 1 2] 2,9,21,25,26,36,37 4] 6,14,16,20 5] 10,18,25,47,53		

PUBLICATIONS - CONFERENCES - WORKING MEETINGS

1. THESES

- 1 **Koutsikopoulos C.** 1982. Axénisation des organismes planctoniques. Un rotifère *Brachionus plicatilis* (Müller) et une algue *Platymonas (=Tetraselmis) suecica*. Rapport de D.E.A. d'Océanologie Biologique. Université de Bretagne Occidentale, Brest, France.
- 2 **Koutsikopoulos C.** 1991. Recrutement de la sole (*Solea solea*, L.) du golfe de Gascogne: Influence de l'hydrologie et de l'hydrodynamisme. Thèse de doctorat (PhD), Université de Bretagne Occidentale, Brest, France, 211 p.

2. PUBLICATIONS IN INTERNATIONAL JOURNALS

(◇ included in S.C.I.)

- 1 ◇ Camus P., **Koutsikopoulos C.** 1984. - Incubation expérimentale et développement embryonnaire de la daurade royale (*Sparus aurata*, L.) à différentes températures. *Aquaculture*, 42: 117-128.
- 2 **Koutsikopoulos C.** 1985. - Techniques de cultures axéniques d'organismes planctoniques. Un rotifère, *Brachionus plicatilis*, et une algue *Platymonas (=Tetraselmis) suecica*. *Rev. Trav. Inst. Pêches marit.*, 47 (2-3) : 207-215.
- 3 Moal J., Samain J.F., **Koutsikopoulos C.**, Le Coz J.R., Daniel J.Y. 1985. - Ushant thermal front: Digestive enzymes and zooplankton production. In: Proceedings of the 19th European Marine Biology Symposium, Plymouth, U.K. (Gibbs P.E. ed.), Cambridge University Press, 145-156.
- 4 **Koutsikopoulos C.** 1985 - Etude de l'ichtyoplancton et du zooplancton en mer d'Iroise. In: Le front thermique d'Ouessant en août et septembre 1982, Campagne SATIR-DYNATLAND. Le Corre P., Mariette V. (eds), *Campagnes Océanographiques Françaises*, 1: 227-286.
- 5 Arbault S., Camus P., La Villemarqué (de) J., **Koutsikopoulos C.**, Morin P., Bourriau P. 1987. - Déterminisme du recrutement de la sole dans le golfe de Gascogne: Phase pélagique, Campagnes SOLDET IV,V,VI. *Campagnes Océanographiques Françaises*, No 6, 131 pp.
- 6 ◇ Sournia A., J.L. Birrien, P. Camus, J.Y. Daniel, E. Jacq, **C. Koutsikopoulos**, P. Le Corre, J.R. Le Coz, J.P. Le Saos, V. Mariette, V. Martin-Jezequel, J. Moal, P. Morin, S.A. Poulet, D. Prieur, J.F. Samain, G. Slawyck, C. Videau. 1988. - A physical, Chemical and Biological Characterization of the Ushant Tidal Front. *Int. Revue ges. Hydrobiol.* 73 (5): 511-536.
- 7 ◇ **Koutsikopoulos C.**, Desaunay, Y., Dorel, D., Marchand, J. 1989. - The role of coastal areas in the life history of sole (*Solea solea*, L.) in the Bay of Biscay. *Topics in Marine Biology*, Ros J. (ed.), *Scientia Marina*, 53 (2-3): 567-575.
- 8 **Koutsikopoulos C.**, Karakiri M., Desaunay Y., Dorel D. 1989. - Response of juvenile sole (*Solea solea*, L.) to environmental changes investigated by otolith microstructure analysis. *Rapp. P.-v. Réun. CIEM*, 191: 281-286.
- 9 ◇ **Koutsikopoulos C.**, Petitgas P. 1990. - Une procédure systématique pour le sous-échantillonnage des prélèvements de plancton. *Oceanologica acta*, 13 (3): 403-409.
- 10 ◇ **Koutsikopoulos, C.**, Fortier, L. and Gagné, J.A. 1991. - Cross-shelf dispersion of Dover sole eggs and larvae (*Solea solea*) in Biscay Bay and recruitment to inshore nurseries. *Journal of Plankton Research*, 13: 923-945.

-
- 11 ◇ Dorel D., **Koutsikopoulos C.**, Desaunay Y., Marchand J. 1991. - Seasonal distribution of young sole (*Solea solea* L.) in the nursery ground of the bay of Vilaine (Northern Bay of Biscay). *Netherlands Journal of Sea Research*, 27 (3/4): 297-306.
- 12 ◇ **Koutsikopoulos C.**, Lacroix N. 1992. - Distribution and abundance of sole (*Solea solea*, L.) eggs and larvae in the Bay of Biscay between 1986 and 1989. *Netherlands Journal of Sea Research*, 29 (1-3): 81-91.
- 13 ◇ Boulhic M., Galois R., **Koutsikopoulos C.**, Lagardère F., Person-Le Ruyet J. 1992. - Etat nutritionnel, croissance et survie des stades pélagiques de la sole, *Solea solea* (L.), du Golfe de Gascogne. *Ann. Inst. océanogr.*, Paris, 68 (1-2) : 117-139.
- 14 ◇ Le Cann B., **Koutsikopoulos C.**, Lacroix N., Champalbert G. 1992. - Interactions des processus physiques et biologiques dans la dynamique des stades pélagiques de la sole sur le plateau continental du Golfe de Gascogne, France. *Ann. Inst. océanogr.*, Paris, 68 (1-2) : 107-115.
- 15 **Koutsikopoulos C.**, Dorel D., Desaunay Y., Le Cann B., Forest A. 1995. - Interaction entre processus physiques et comportement individuel: conséquences sur l'organisation et le fonctionnement du stock de sole (*Solea solea*, L.) du Golfe de Gascogne. *Editions ORSTOM (Colloques et séminaires, Gascuel D., Durant J.L., Fontenau A. Eds.)* : 49-74.
- 16 ◇ **Koutsikopoulos C.**, Dorel D., Desaunay Y. 1995 - Movement of sole (*Solea solea*) in the Bay of Biscay: coastal environment and spawning migration. *J. mar. biol. Ass. U.K.*, 75, 109-126.
- 17 ◇ Champalbert G., **Koutsikopoulos C.** 1995. - Behaviour, transport and recruitment of Bay of Biscay sole (*Solea solea*): Laboratory and field studies. *J. mar. biol. Ass. U.K.*, 75, 93-108.
- 18 ◇ Massé J., **Koutsikopoulos C.**, Patty W. 1996. - The structure and spatial distribution of pelagic fish schools in multi species clusters: an acoustic study. *ICES Journal of Marine Science*, 53: 155-160.
- 19 ◇ **Koutsikopoulos C.** and Le Cann B. 1996. - Physical processes and hydrological structures related to the Bay of Biscay anchovy. *Scientia Marina*, 60(2): 9-19
- 20 ◇ Arino O., **Koutsikopoulos C.** and Ramzi A. 1996 Elements of mathematical modeling of evolution in number of a Sole population. *Journal of Biological Systems*, 4(4):445-458.
- 21 ◇ Bergeron J.P., Person-Le Ruyet J. and **Koutsikopoulos C.** 1997. - Use of carbon rather than dry weight to assess the DNA content and nutritional condition index of sole larvae. *ICES Journal of Marine Science*, 54: 148-151
- 22 ◇ **Koutsikopoulos C.**, Beillois P., Leroy C. and Taillefer F. 1998. Temporal trends and spatial structures of the Sea Surface Temperature in the Bay of Biscay. *Oceanologica Acta*, 21(2): 335-344
- 23 Alheit J., H.-G. Barthel, K. Brander, F. Carlotti, R. Harris, **C. Koutsikopoulos**, B. MacKenzie, G. Paffenhofer, H. Roe and K. Tande. 1998. EuroGlobec - Science Plan. *Ecosystems Research Report 27*, Office for Official Publications of the European Communities, 76pp.
- 24 Kehayias G., **C. Koutsikopoulos**, N. Fragopoulou and J. Lykakis . 1999. Biometry of the ontogenic development of five chaetognath species in Greek waters (Eastern Mediterranean). *Biologia Gallo-hellenica*, 25(2):125-142.

- 25 ◇ Kehayias G., C. Koutsikopoulos, N. Fragopoulou and J. Lykakis. 1999. A single maturity classification key for five common Mediterranean chaetognath species. *J. mar. biol. Ass. U.K.*, 79: 3429.1-2.
- 26 ◇ de Pontual H., F. Lagardere, H. Troadec, A. Batel, Y. Desaunay and C. Koutsikopoulos. 2000. Otolith imprinting of sole (*Solea solea*) from the Bay of Biscay (France): a tool to discriminate individuals from nursery origins? *Oceanologica Acta*, 23(4):497-513.
- 27 ◇ Ramzi A., O. Arino, C. Koutsikopoulos, A. Boussouar, P. Lazure. 2001. Modelling and numerical simulations of larval migration of the sole (*Solea solea* (L.)) of the Bay of Biscay. Part 1: Modelling. *Oceanologica Acta*, 24(2):101-112.
- 28 ◇ Ramzi A., O. Arino, C. Koutsikopoulos, A. Boussouar, P. Lazure. 2001. Modeling and numerical simulations of larval migration of the sole (*Solea solea* (L.)) of the Bay of Biscay. Part 2: Numerical Simulations. *Oceanologica Acta*, 24(2):113-124.
- 29 ◇ Somarakis S., C. Koutsikopoulos, A. Machias, N. Tsimenides. 2002. Applying the Daily Egg Production Method (DEPM) to small stocks in highly heterogeneous seas. *Fisheries Research*, 55:193-204.
- 30 Katselis G., C. Koutsikopoulos, P. Kaspiris 2002. - Age determination and growth of leaping Mullet (*Liza saliens* R.1810) from the Messolonghi Etoliko lagoon (western Greece). *Mediterranean Marine Science*, 3/2:147-158..
- 31 ◇ Dimou I., C. Koutsikopoulos, A.P. Economopoulos, J. Lykakis. 2003. Depth of pupation of the wild olive fruit fly, *Bactrocera (Dacus) oleae* (Gmel.) (Diptera, Tephritidae), as affected by soil abiotic factors. *J. Appl. Entomology* 127:12-17
- 32 ◇ Dimou I., C. Koutsikopoulos, A.P. Economopoulos, J. Lykakis. 2003. The distribution of olive fruit fly captures [*Bactrocera (Dacus) oleae* (Gmel.) (Diptera, Tephritidae)] with McPhail traps within an olive orchard. *Phytoparasitica*, 31(2): 124-131.
- 33 ◇ Giannoulaki M., A. Machias, C. Koutsikopoulos, J. Haralabous, S. Somarakis, N. Tsimenides 2003. The effect of coastal topography on the spatial structure of small pelagic fish. *Mar. Ecol. Progr. Ser.*, 265:243-253.
- 34 ◇ Katselis G., C. Koutsikopoulos, E. Dimitriou, I. Rogdakis 2003. Spatial patterns and temporal trends in the fisheries landings of the Messolnghi-Etoliko lagoons (Western Greek coast). *Scientia Marina*, 67(4): 501-511.
- 35 ◇ Ganias K., S. Somarakis, C. Koutsikopoulos, A. Machias, A. Theodorou. 2003. Ovarian atresia in the Mediterranean sardine, *Sardina pilchardus sardina*. *Journal of the Marine Biological Association of the United Kingdom*, 83: 1327-1332.
- 36 ◇ Ganias K., S. Somarakis, A. Machias, C. Koutsikopoulos, A. Theodorou 2004. Identifying newly spawned female sardines by means of common fisheries data. *Cybium*, 28:43-46.
- 37 ◇ Somarakis S., Ganias K., Tserpes G., Koutsikopoulos C. 2004. Ovarian allometry and the use of the gonosomatic index: a case study in the Mediterranean sardine, *Sardina pilchardus*. *Marine Biology*, 146: 181-189
- 38 ◇ Somarakis S., Palomera I., Garcia A., Quintanilla L., Koutsikopoulos C., Uriarte A., Motos L. 2004. Daily egg production of anchovy in European waters. *ICES Journal of Marine Science*, 61:944-958.
- 39 ◇ Tzanatos E., Dimitriou E., Katselis G., Georgiadis M., Koutsikopoulos C. 2005. Composition, temporal dynamics and regional characteristics of small-scale fisheries in Greece. *Fisheries Research*, 73, 1-2: 147-158

- 40 ◇ Ramfos A., S. Somarakis, C. **Koutsikopoulos**, N. Fragopoulou 2005. Summer mesozooplankton distribution in coastal waters of central Greece (eastern Mediterranean). I. Hydrology and group composition. *J. Mar. Biol. Ass. U.K.*, 85: 755-764.
- 41 ◇ Ramfos A., S. Somarakis, C. **Koutsikopoulos**, N. Fragopoulou. 2005. Summer mesozooplankton distribution in coastal waters of central Greece (eastern Mediterranean). II. Species assemblages. *J. Mar. Biol. Ass. U.K.*, 85: 765-774.
- 42 ◇ Katselis G., C. **Koutsikopoulos**, Y. Rogdakis, T. Lachanas, E. Dimitriou, K. Vidalis. 2005. A model to estimate the annual production of roes (avgotaracho) of flathead mullet (*Mugil cephalus*) based on the spawning migration of species. *Fisheries Research*, 75, 138-148.
- 43 ◇ Somarakis S., Ganias K., Siapatis A., **Koutsikopoulos C.**, Machias A., Papaconstantinou C. 2006. Spawning habitat and daily egg production of sardine (*Sardina pilchardus*) in the eastern Mediterranean. *Fisheries Oceanography*, 15 (4): 281-292.
- 44 ◇ Tserpes G., Moutopoulos D., Peristeraki P., Katselis G., **Koutsikopoulos C.** 2006. Study of swordfish fishing dynamics in the eastern Mediterranean by means of machine learning approaches. *Fisheries Research*, 78: 196-202.
- 45 ◇ Giannoulaki M., Machias A., **Koutsikopoulos C.**, Somarakis S. 2006. The effect of coastal topography on the spatial structure of anchovy and sardine. *ICES Journal of Marine Science*, 63 (4): 650-662.
- 46 ◇ Isari S., Ramfos A., Somarakis S., **Koutsikopoulos C.**, Kallianiotis A., Fragopoulou N. 2006. Mesozooplankton distribution in relation to hydrology of the Northeastern Aegean Sea (eastern Mediterranean). *Journal of Plankton Research*, 28(3): 241-255.
- 47 ◇ Tzanatos E., Dimitriou E., Papaharisis L., Roussi A., Somarakis S., **Koutsikopoulos C.** 2006. Principal socio-economic characteristics of the Greek small-scale coastal fishermen, *Ocean & Coastal Management*, 49: 511-527.
- 48 ◇ Ramfos A., Isari S., Somarakis S., Georgopoulos D., **Koutsikopoulos C.**, Fragopoulou N. 2006. Mesozooplankton community structure in offshore and coastal waters of the Ionian Sea (eastern Mediterranean) during mixed and stratified conditions. *Marine Biology*, 150: 29-44.
- 49 ◇ Tzanatos E., Somarakis S., Tserpes G., **Koutsikopoulos C.** 2006. Identifying and classifying small-scale fisheries métiers in the Mediterranean: A case study in the Patraikos Gulf, Greece. *Fisheries Research*, 81: 158-168.
- 50 ◇ Isari S., S. Psarra, P. Pitta, P. Mara, M.O. Tomprou, A. Ramfos, S. Somarakis, A. Tselepides, C. **Koutsikopoulos** and N. Fragopoulou. 2007. Differential patterns of mesozooplankton distribution in relation to physical and biological variables of the northeastern Aegean Sea (eastern Mediterranean). *Marine Biology*, 151(3): 1035-1050.
- 51 ◇ Dimitriou E., G. Katselis, D. K. Moutopoulos, C. Akovitiotis, and C. **Koutsikopoulos**. 2007. Possible influence of reared gilthead sea bream (*Sparus aurata*, L.) on wild stocks in the area of the Mesolonghi lagoon (Ionian Sea, Greece). *Aquaculture Research*, 38(4): 398-408
- 52 ◇ Ganias K., S. Somarakis, C. **Koutsikopoulos** and A. Machias. 2007. Factors affecting the spawning period of sardine in two highly oligotrophic Seas. *Marine Biology*, 151(4): 1559-1569.
- 53 ◇ Katselis, G., Koukou, K., Dimitriou, E., **Koutsikopoulos C.** 2007. Short-term seaward fish migration in the Messolonghi-Etoliko lagoons (Western Greek coast) in relation to climatic variables and the lunar cycle. *Estuarine, Coastal and Shelf Science* 73 (3-4): 571-582

- 54 ◇ Tzanatos E., Somarakis S., Tserpes G., **Koutsikopoulos C.** 2007. Discarding practices in a Mediterranean small-scale fishing fleet (Patraikos Gulf, Greece). *Fisheries Management and Ecology*, 14 (4): 277-285
- 55 ◇ Mantzouni I.; S. Somarakis; D.K. Moutopoulos; A. Kallianiotis; **C. Koutsikopoulos.** 2007. Periodic, spatially structured matrix model for the study of anchovy (*Engraulis encrasicolus*) population dynamics in N Aegean Sea (E Mediterranean). *Ecological Modeling*, 208 (2-4):367-377.
- 56 ◇ Kiparissis S., G. Tserpes, S. Somarakis, P.S. Economidis, **C. Koutsikopoulos.** 2008. On the site-attachment behaviour of *Oblada melanura* (Linnaeus, 1758) (Osteichthyes: Sparidae) benthic larvae; a quantitative approach. *Scientia Marina*, 72(3): 429-436.
- 57 ◇ Zompola S, Katselis G, **Koutsikopoulos C**, Cladas Y. 2008. Temporal patterns of glass eel migration (*Anguilla anguilla* L. 1758) in relation to environmental factors in the Western Greek inland waters. *Estuarine Coastal and Shelf science*, 80(3): 330-338.
- 58 ◇ Tzanatos E, Somarakis S, Tserpes G, **Koutsikopoulos C.** 2008. Catch length analysis, relation to minimum landing sizes and management implications from a Mediterranean small-scale fisheries (Patraikos Gulf, Greece). *Fisheries Research*, 93(1-2): 125-134.
- 59 ◇ Georgiadis M., Papatheodorou G., Tzanatos E., Geraga M., Ramfos A., **Koutsikopoulos C.**, Ferentinos G. 2009. Coralligene formations in the eastern Mediterranean: Morphology, distribution, mapping and relation to fisheries in the southern Aegean Sea (Greece) based on high-resolution acoustics. *Journal of experimental Marine Biology and Ecology*, 368: 44-58.
- 60 Papatheodorou G., Fakiris E., Geraga M., Ferentinos G., **Koutsikopoulos C.** 2008. Ghostly images of HMHS Britannic. *Hydro International*, 12(7): 16-19.
- 61◇ Ferentinos G., Papatheodorou G., Geraga M., Iatrou M., Fakiris E., Christodoulou D., Dimitriou E., **Koutsikopoulos C.** 2010. Fjord water circulation patterns and dysoxic/anoxic conditions in a Mediterranean semi-enclosed embayment in the Amvrakikos Gulf, Greece. *Estuarine, Coastal and Shelf Science*, 88: 473-481.
- 62 **Koutsikopoulos C.**, Cladas Y., Katselis G., Zompola S., Dimitriou E., Mitropoulos D., Chatzisprou A. 2009. Hellenic Eel Management Plan in accordance with the Council Regulation 1100/2007. Ministry of Rural Development and Food, General Directorate of Fisheries, 68p.
- 63 Makridis P., Boglione C., 2, Ribeiro L., Soares F., **Koutsikopoulos. C.** 2011. Extensive and semi-intensive aquaculture in Southern Europe. *Fish Farming Expert*, Oct. 2011: 30-41.
- 64◇ Guyader O., P. Berthou B, **C. Koutsikopoulos**, F. Alban, S. Demanèche, M.B. Gaspar, R. Eschbaum, E. Fahy, O. Tully, L. Reynal, O. Curtil, K. Frangoudes, F. Maynou. 2013. Small scale fisheries in Europe: A comparative analysis based on a selection of case studies. *Fisheries Research*,140: 1-13.
- 65◇ Tzanatos, E., Castro, J., Forcada, A., Matic-Skoko, S., Gaspar, M., and Koutsikopoulos, C. 2013. A Metier-Sustainability-Index (MSI25) to evaluate fisheries components: assessment of cases from data-poor fisheries from southern Europe. *ICES Journal of Marine Science*, 70(1):78-98.
- 66◇ Karakassis I., Papageorgiou N., Kalantzi I., Sevastou K., **Koutsikopoulos C.** 2013. Adaptation of fish farming production to the environmental characteristics of the receiving marine ecosystems: A proxy to carrying capacity. *Aquaculture*, 408: 184-190.

- 67◇ Katselis G., Moutopoulos D.K., **Koutsikopoulos C.**, Long-term changes of fisheries landings in enclosed gulf lagoons' (Amvrakikos gulf, W. Greece). 2013. *Estuarine, Coastal and Shelf Science*, 131:31-40.
- 68◇ Georgiadis M., Mavraki N., **Koutsikopoulos C.**, Tzanatos E. 2014. Spatio-temporal dynamics and management implications of the nightly appearance of *Boops boops* (Acanthopterygii, Perciformes) juvenile shoals in the anthropogenically modified Mediterranean littoral zone. *Hydrobiologia*, 734(1): 81-96.
- 69◇ Moutopoulos D.K., **Koutsikopoulos C.** 2014. Fishing strange data in fisheries statistics of Greece. *Marine Policy*, 48: 114-122.

3. PUBLICATIONS IN NATIONAL JOURNALS WITH REVIEWERS

- 1 Δήμου Ι., Κ. Κουτσικόπουλος, Α. Οικονομόπουλος, Ι. Λυκάκης. 2005. Ο ετήσιος κύκλος του δάκου της ελιάς, *Bactrocera (Dacus) oleae* (Gmelin) (Diptera, Tephritidae), σε περιοχή της Αχαΐας. *Αγροτική Έρευνα*, 28(2): 47-56.

4. PUBLICATIONS IN PROCEEDINGS OF INTERNATIONAL CONFERENCES WITH REVIEWERS

- 1 La Villemarqué (de) J., Arbault S., Camus P., Koutsikopoulos C. 1986 - Résultats préliminaires de l'étude des oeufs et larves de sole *Solea vulgaris*, Quensel 1806, en 1985 dans le secteur Nord Gascogne. ICES C.M. 1986/G:45
- 2 Koutsikopoulos, C. and Herbland, A. 1987 - The stability of the spatial distribution of the pelagic stages of sole as explained by the trajectories of "Argos" satellite tracked buoys. Mini-symposium on "Recruitment Processes in Marine Ecosystems" ICES C.M. 1987/Mini n° 4.
- 3 Desaunay Y., Koutsikopoulos C. Dorel D. 1987 - Evaluation de la mortalité saisonnière des jeunes soles durant la phase du pré-recrutement. ICES C.M. 1987/G:46.
- 4 Koutsikopoulos C., Woehrling D. 1988 - An estimation of the evolution of cohorts during the pelagic stages of sole. ICES C.M. 1988/ L: 17 Ref. G.
- 5 Koutsikopoulos, C., Petitgas P., Bourriau, P. Camus, P., De la Villemarqué, J. and Rouxel, C., 1988 - Environmental features governing the spatial distribution of the early life stage of sole (*Solea. vulgaris*, Quensel) in the Bay of Biscay. ICES C.M. 88/L 18, 4 pp.
- 6 Desaunay Y., Koutsikopoulos C., Porche P., Beillois P. 1991 - Zebulon, a simple suprabenthic gear for ichthyoplankton studies over the continental shelf. ICES C.M. 1991/L:52.
- 7 Koutsikopoulos C. 1993 - Influence of the internal structure of a population in relation to the environmental variability on the pattern of abundance fluctuations. ICES C.M. 1993/L:9
- 8 Vassou Z., Satanakis A., Koutsikopoulos C. & J. Petinarakis. 1998. The rate of losses of creosote from power transmission poles during storage. 4th International Symposium "The challenge - safety and environment in wood preservation", Cannes-Mandelieu, France, 2-3 Febr., 8p.

- 9 Arino O. & Koutsikopoulos C. 1996 - Modelisation du cycle de vie de la sole du golfe de Gascogne. Methodes d'étude des systemes Halieutiques et Aquacoles (j. Ferraris, D. Pelletier, M-J. Rochet, ed.), Editions ORSTOM, Colloques et seminaires, 191-198.
- 10 Gauthiez F., Poulard J. & Koutsikopoulos C. 1996 - Analyse de la distribution spatiale a petite echelle des poissons benthiques et demersaux en Mer Celtique. Methodes d'étude des systemes Halieutiques et Aquacoles (j. Ferraris, D. Pelletier, M-J. Rochet, ed.), Editions ORSTOM, Colloques et seminaires, 99-104.
- 11 Gantias K., Somarakis S., Caragitsou E., Koutsikopoulos C., Machias A., Theodorou A. (2001). Differential egg production of sardine off the central Hellenic coasts in December 1999. Rapp. Comm. Int. Mer. Medit. 36, 268.
- 12 Cladas Y., S. Zompola, G. Ioannou, D. Vavoulis, C. Koutsikopoulos. 2002b. Monitoring of European eel (*Anguilla anguilla*, L.) stock in Greece. In: EIFAC-Report of the Symposium on Inland Fisheries Management and the Aquatic Environment, Windermere, UK, 12-15 June 2002.
- 13 Gantias K., Somarakis S., Koutsikopoulos C., Machias A. and Theodorou A. (2002). Seasonal variation of somatic and organ weight indices of sardine in the Aegean and Ionian Seas. Proc. 9th ICZEGAR, 37.
- 14 Gantias K., Somarakis S., Koutsikopoulos C., Machias A. and Theodorou A. (2002). Identifying high frequency of spawning fish in sardine samples using somatic indices and sample sex ratio. 1st scientific conference of the EFMS, F-3.
- 15 Giannoulaki M., A. Machias, C. Koutsikopoulos, J. Haralambous, S. Somarakis, N. Tsimenides, 2002. Spatial structure of pelagic fish in Greek waters determined by acoustics. Proc..6th ICES Symposium on Acoustics in Fisheries and Aquatic Ecology, Montpellier (France), 120-121.
- 16 Peristeraki P., G. Tserpes, C. Koutsikopoulos, G. Katselis, A. Kallianiotis. 2003. Length and weight conversion equations for bluefin tuna from the Eastern Mediterranean. Col. Vol. Sci. Pap. ICCAT, 55(1):91-93.
- 17 Giannoulaki M., A. Machias, C. Koutsikopoulos, S. Somarakis, N. Tsimenides. 2004. Acoustic-geostatistical assessment and habitat-abundance relationships of sardine in the Hellenic seas. Rapp. Comm. int. Mer Medit., (37): 363.
- 18 Ramfos A., Isari S., Fragopoulou N., Koutsikopoulos, C. (2004): Vertical distribution of copepod assemblages in the upper layer of the Eastern Ionian Sea (Greece) during mixed and stratified conditions. Rapp. Comm. Int Mer Medit., 37:420 (37th International Congress of the CIESM, Barcelona, Spain).
- 19 Tzanatos E., Vlatsiotis Y., Papaharisis L., Katselis G., Dimitriou E. Koutsikopoulos C. 2004. Typology of Greek small-scale fisheries based on social economical and biological elements. Rapp. Comm. Int Mer Medit., 37:452 (37th International Congress of the CIESM, Barcelona, Spain).
- 20 Somarakis S., Palomera I., Garcia A., Quintanilla L., Koutsikopoulos C. 2005. An overview of the application of the Daily Egg Production Method (DEPM) to Mediterranean Anchovy Stocks. GLOBEC Report 22: 37-40. (14-16/1/2004, Conception, Chile)
- 21 Ramfos A., Theodoropoulos C., Karagianni T., Somarakis S., Koutsikopoulos C. and Fragopoulou N. 2006. Mesozooplankton characteristics in coastal and offshore waters of central Greece (Eastern Mediterranean) during winter 1999. Proceedings of the 10th

- International Congress on the Zoogeography and Ecology of Greece and Adjacent Areas. Patras-Greece, June 2006.
- 22 Isari S., Ramfos A., Somarakis S., Koutsikopoulos C. and Fragopoulou N. 2006. Mesozooplankton community structure in the Northeastern Aegean Sea in relation to Black Sea water circulation. Proceedings of the 10th International Congress on the Zoogeography and Ecology of Greece and Adjacent Areas. Patras-Greece, June 2006.
- 23 Moutopoulos D.K., Katselis G., Kentrou A., Koutsikopoulos C. 2007. Indications of a possible change in the fishery exploitation pattern in Ionian sea lagoons. Rapp. Comm. int. Mer Médit., 38: 547 (38th CIESM Congress, Istanbul).
- 24 Zompola S., G. Ioannou, C. Koutsikopoulos, Y. Cladas. 2007. Biometric characteristics of European glass eel during the migration season along the Western Greek coast. Rapp. Comm. int. Mer Médit., 38: 644 (38th CIESM Congress, Istanbul).
- 25 Ramfos A., Georgakakis I., Dimitriou E., Koutsikopoulos C., Katselis G. Analysis of high frequency water temperature records in Messolonghi-Etoliko lagoons (Western Greece). 1st LaguNet Congress and 3rd European Conference on Lagoon Research. Naples 19-23 Nov. 2007. pp92.
- 26 Katselis G., E. Dimitriou, E. Koutrakis, Y. Cladas and C. Koutsikopoulos. Interactions between lagoon fisheries and other coastal activities in Greece 1st LaguNet Congress and 3rd European Conference on Lagoon Research. Naples 19-23 Nov. 2007. pp139.
- 27 Dimitriou N., Dimitriou E., Koutsikopoulos C. 2011. Monitoring the anoxic conditions of the Messolonghi-Etoliko lagoons (Western Greece). 5th Eurolag, European Coastal Lagoons Symposium, Portugal: 84
- 28 Iliopoulou N., Dimitriou N., Dimitriou E., Koutsikopoulos C. 2011. Decrease in fish growth rates related to the massive presence of undersized sea bream discards in the Messolonghi lagoon fisheries (Western Greece). 5th Eurolag, European Coastal Lagoons Symposium, Portugal: 65.
- 29 Siorou S., Tzanatos E., Koutsikopoulos C. 2011. A professional fishers' network monitoring the environmental state of the Amvrakikos gulf (Western Greece). 5th Eurolag, European Coastal Lagoons Symposium, Portugal: 107.

5. PUBLICATIONS IN NATIONAL CONFERENCES WITH REVIEWERS

- 1 Ζαφείρη Κ., Κουτσικόπουλος Κ., Κορνάρος Μ., Φραγκοπούλου Ν., Λυκάκης Ι. & Λυμπεράτος Γ. 1997 Δομή και κλίμακες διακύμανσης των υδρολογικών και βιολογικών χαρακτηριστικών της λιμνοθάλασσας του Κούταβου (Κεφαλλονιά). Πρακτικά 5ου Πανελληνίου Συμποσίου Ωκεανογραφίας & Αλιείας, Τόμος II, 305-308.
- 2 Ράμφος Α., Φραγκοπούλου Ν., Κουτσικόπουλος Κ., Μαχιάς Α., Σωμαράκης Σ., Λυκάκης Ι. 2000. Η βοιοκοινωνία του μεσοζωοπλαγκτού το καλοκαίρι 1998 στις παράκτιες περιοχές της κεντρικής Ελλάδας. Πρακτικά 6ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος I, 328-332.
- 3 Σώρρα Β., Κουτσικόπουλος Κ., Φραγκοπούλου Ν., Λυκάκης Ι. 2000. Η κατανομή του μεσοζωοπλαγκτού και ιχθυοπλαγκτού σε δυο περιοχές του Πατραϊκού κόπλου με διαφορετική υδρολογία. Πρακτικά 6ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος I, 334-338.

- 4 Ράμφος Α., Κουτσικόπουλος Κ., Φραγκοπούλου Ν., Μαχιάς Α., Σωμαράκης Σ., Πυροβολάκη Ε., Λυκάκης Ι. 2000. Υδρολογικά και βιολογικά χαρακτηριστικά των παράκτιων περιοχών της κεντρικής Ελλάδας κατά την περίοδο αναπαραγωγής του γαύρου. Πρακτικά 6ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος ΙΙ, 88-92.
- 5 Σωμαράκης Σ., Μαχιάς Α., Κουτσικόπουλος Κ., Μαραβέγια Ε., Γιαννουλάκη Μ., Τσιμενίδης Ν. 2000. Κατανομή του γαύρου και των πεδίων αναπαραγωγής του στο κεντρικό Αιγαίο και Ιόνιο. Πρακτικά 6ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος ΙΙ, 94-98.
- 6 Δρακόπουλος Π., Σωμαράκης Σ., Κουτσικόπουλος Κ., Μαχιάς Α., Τσιμενίδης Ν. 2000. Οριζόντια μεταφορά και διάχυση των πλαγκτονικών σταδίων του γαύρου *Engraulis encrasicolus*, στο Ιόνιο Πέλαγος. Πρακτικά 6ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος ΙΙ, 99-103.
- 7 Νικολουδάκης Γ., Μαχιάς Α., Σωμαράκης Σ., Κουτσικόπουλος Κ., Τσιμενίδης Ν. 2000. Σύγκριση της αύξησης του γαύρου σε δυο διαφορετικά αποθέματα. Πρακτικά 6ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος ΙΙ, 104-108.
- 8 Κατσέλης Γ. Σπίνος Ε., Κουτσικόπουλος Κ., Περιστεράκη Π., Τσερπές Γ. 2000. Χαρακτηριστικά του στόλου αλιείας του ξιφιά στη δυτική Ελλάδα. Πρακτικά 6ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος ΙΙ, 130-134.
- 9 Δημητρίου Ε., Κατσέλης Γ., Κουτσικόπουλος Κ. 2000. Σύνθεση της αλιευτικής παραγωγής των λιμνοθαλασσών Μεσολογίου-Αιτωλικού. Πρακτικά 6ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος ΙΙ, 140-145.
- 10 Μαχιάς Α., Γιαννουλάκη Μ., Σωμαράκης Σ., Κουτσικόπουλος Κ., Μανουσάκης Λ., Καπανταγάκης Α., Τσιμενίδης Ν. 2000. Επί τόπου εκτίμηση του ηχοανακλαστικού δυναμικού της σαρδέλας και του γαύρου. Πρακτικά 6ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος ΙΙ, 180-184.
- 11 Κατσέλης Γ., Κουτσικόπουλος Κ. (2000). Δυναμική καταδρόμων ειδών στις λιμνοθάλασσες εκτατικής διαχείρισης: Η περίπτωση του *Lisa saliens* στη λ/θ Μεσολογίου - Αιτωλικού. Πρακτικά 9ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 125-128.
- 12 Κλαδάς Ι., Κασπίρης Π., Ζόμπολα Σ., Σαμαρά Α. & Κουτσικόπουλος Κ. (2000). Εκτροφή ιχθυοειδών χελιού (*Anguilla anguilla*) που συλλέχθηκαν σε ποτάμια της Δυτικής Ελλάδας. Πρακτικά 9ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 219-222.
- 13 Ράμφος Α., Φραγκοπούλου Ν., Κουτσικόπουλος Κ., Λυκάκης Ι. (2000). Ζωοπλαγκτό στη λιμνοθάλασσα του Πάπα (Άραξος/Αχαΐα). Πρακτικά 9ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 69-72.
- 14 Σπίνος Ε., Κατσέλης Γ., Κουτσικόπουλος Κ. (2000). Εποχιακή σύνθεση αλιευμάτων μανωμένου δικτυού στον Κυπαρισσιακό κόλπο. Πρακτικά 9ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 77-80.
- 15 Σώρρα Β., Κουτσικόπουλος Κ., Φραγκοπούλου Α. & Λυκάκης Ι. (2000). Η κατανομή των ιχθυονυμφών στον Πατραϊκό κόλπο και τον κόλπο της Ναυπάκτου. Πρακτικά 9ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 81-84.
- 16 Γεωργιάδης Μ., Παπαθεοδώρου Γ., Κατσέλης Γ., Τζανάτος Ε., Ράμφος Α., Βαβούλης Δ., Κουτσικόπουλος Κ. 2001. Μορφολογικά χαρακτηριστικά και κατανομή αλιευτικών πεδίων

- τραγάνας (ροδοφύκη) στη θαλάσσια περιοχή των Κυκλάδων. Πρακτικά 10ου Πανελληνίου Συνεδρίου Ιχθυολόγων, 333-336.
- 17 Γιαννουλάκη Μ., Μαχιάς Α., Κουτσικόπουλος Κ., Σωμαράκης Σ., Μανουσάκης Λ. και Τσιμενίδης Ν. 2001. Η κατανομή της σαρδέλας (*Sardina pilchardus* Walb.) στην περιοχή του κεντρικού Αιγαίου και του Ιονίου, με τη χρήση ακουστικών μεθόδων. Πρακτικά 10ου Πανελληνίου Συνεδρίου Ιχθυολόγων, 61-64.
- 18 Γκάνιας Κ., Σωμαράκης Σ., Μαχιάς Α., Κουτσικόπουλος Κ., Χριστόπουλος Π., Τσιμενίδης Ν., Θεοδώρου Α. 2001. Μπορεί ο Γοναδοσωματικός δείκτης να περιγράψει την αναπαραγωγική κατάσταση ενός πολλαπλού αποθέτη όπως η σαρδέλα; Πρακτικά 10ου Πανελληνίου Συνεδρίου Ιχθυολόγων, Χανιά, 97-100.
- 19 Δημητρίου Ε., Καπαρελιώτης Α., Ακοβιτιώτης Κ., Αθανασόπουλος Α., Ρογδάκης Ι., Μπαταργιάς Κ., Κουτσικόπουλος Κ. 2001. Διαφοροποιήσεις στην παραγωγή της τσιπούρας του φυσικού οικοσυστήματος του συμπλέγματος λιμνοθαλασσών Μεσολογίου - Αιτωλικού. Πρακτικά 10ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 273-276.
- 20 Ζόμπολα Σ., Βαβούλης Δ., Κλαδάς Ι., Κέντρου Α., Παγώνη Σ. και Κουτσικόπουλος Κ. 2001. Αλιευτική εκμετάλλευση των φυσικών αποθεμάτων χελιού (*Anguilla anguilla*, L. 1758) στην Ελλάδα. Πρακτικά 10ου Πανελληνίου Συνεδρίου Ιχθυολόγων, 237-240.
- 21 Κατσέλης Γ., Σπίνος Ε., Χαλινίδου Ι., Κ. Κουτσικόπουλος, Π. Περιστεράκη και Γ. Τσερπές. 2001. Αλιεία του Ξιφία στη Δυτική Ελλάδα: Παράγοντες που επηρεάζουν την αλιευτική προσπάθεια και την απόδοση. Πρακτικά 10ου Πανελληνίου Συνεδρίου Ιχθυολόγων, 17-20.
- 22 Κουτσικόπουλος Κ., Δημητρίου Ε., Ρογδάκης Ι., Κουτράκης Ε., Κλαδάς Ι., Καπαρελιώτης Α., Αθανασόπουλος Α., Λιούρδη Μ., Κατσέλης Γ., Ρούσση Α., Μανιός Β., Κασπίρης Π., Οικονομίδης Π.Σ. 2001. Ερωτήματα και ενέργειες για την αποδοτικότερη εκμετάλλευση των Ελληνικών λιμνοθαλασσών. Πρακτικά 10ου Πανελληνίου Συνεδρίου Ιχθυολόγων, 293-296.
- 23 Μαχιάς Α., Γιαννουλάκη Μ., Σωμαράκης Σ., Κουτσικόπουλος Κ., Μανουσάκης Λ., Καπανταγάκης Α., Τσιμενίδης Ν. 2001. Εκτίμηση του αποθέματος του γαύρου (*Engraulis encrasicolus*) στο Κεντρικό Αιγαίο και Ιόνιο με την ακουστική μέθοδο. Πρακτικά 10ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 57-60.
- 24 Ρογδάκης Ι., Δημητρίου Ε., Κουτράκης Ε., Κλαδάς Ι., Καπαρελιώτης Α., Αθανασόπουλος Α., Λιούρδη Μ., Κατσέλης Γ., Ρούσση Α., Μανιός Β., Κουτσικόπουλος Κ., Κασπίρης Π., Μπόμπορη Χ.Δ., Οικονομίδης Π.Σ. 2001. Γενικά χαρακτηριστικά και στοιχεία υποδομών των Ελληνικών λιμνοθαλασσών. Πρακτικά 10ου Πανελληνίου Συνεδρίου Ιχθυολόγων, 289-292.
- 25 Τζανάτος Ε., Σωμαράκης Σ., Μαχιάς Α., Βαβούλης Δ., Ράμφος Α. και Κ. Κουτσικόπουλος. 2001. Συγκριτική μελέτη ακρίβειας και κόστους των πλαγκτονικών δικτύων Bongo και WP2 για την εκτίμηση ιχθυοαποθεμάτων. Πρακτικά 10ου Πανελληνίου Συνεδρίου Ιχθυολόγων, 49-52.
- 26 Τσερπές Γ., Π. Περιστεράκη, Κ. Κουτσικόπουλος, Γ. Παναγιωτάκης και Μ. Μπαρμπούνη. 2001. Δημογραφικά χαρακτηριστικά της αλιευτικής παραγωγής ξιφία στην Ανατολική Μεσόγειο. Πρακτικά 10ου Πανελληνίου Συνεδρίου Ιχθυολόγων, 13-16.
- 27 Ακοβιτιώτης Κ., Σπανέλλης Δ., Τζανάτος Ε., Ζόμπολα Σ., Κουτσικόπουλος Κ. 2003. Οι θερμοκρασιακές διακυμάνσεις του νερού και οι επιπτώσεις τους στην ιχθυοπαραγωγή της λιμνοθάλασσας «Μπούκα» του ΙΧΘΥ.Κ.Α. Ι. Προκαταρκτικά αποτελέσματα από τη μετανάστευση του χελιού. Πρακτικά 11ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 203-206.

- 28 Κέντρου Α., Ζόμπολα Σ., Στούμπου Γ., Κατσέλης Γ., Κουτσικόπουλος Κ. 2003. Είδη και χρονικές διακυμάνσεις της αλιευτικής παραγωγής των λιμνοθαλασσών του νομού Πρέβεζας. Πρακτικά 11ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 223-226.
- 29 Τζανάτος Ε., Κατσέλης Γ., Παπαχαρίσης Α., Δημητρίου Ε., Κουτσικόπουλος Κ. 2003. Τυπολογία των νομών της Ελλάδας βασιζόμενη σε χαρακτηριστικά της μικρής παράκτιας αλιείας. Πρακτικά 11ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 283-286.
- 30 Βαβαρούτα Β., Ρογδάκης Γ., Πίκουλας Θ., Κατσέλης Γ., Κουτσικόπουλος Κ. 2005. Σχέσεις μήκους - βάρους 15 ειδών ψαριών από δύο λιμνοθάλασσες της Δυτικής Ελλάδος. Πρακτικά 12ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 189-192.
- 31 Κατσέλης Γ., Κουτσικόπουλος Κ., Ρογδάκης Ι., Δημητρίου Ε. (2005). Ανάλυση ημερήσιων συλλήψεων του είδους *Lisa saliens* (γάστρος) στο λιμνοθαλάσσιο σύμπλεγμα Μεσολογίου - Αιτωλικού. Πρακτικά 12ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 201-204.
- 32 Κέντρου Α., Ζόμπολα Σ., Μουτόπουλος Δ.Κ., Κατσέλης Γ., Κουτσικόπουλος Κ. 2005. Χρονικές αλλαγές και εποχικές διακυμάνσεις της αλιευτικής παραγωγής των λιμνοθαλασσών του νομού Πρέβεζας. Πρακτικά 12ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 278-281.
- 33 Κυπαρίσσης Σ., Τσερπές Γ., Σωμαράκης Σ., Οικονομίδης Π.Σ., Κουτσικόπουλος Κ. 2005. Σταθερότητα παραμονής των ιχθυδίων του *Oblada melanura* (Linnaeus, 1758), στα πεδία εγκατάστασης. Πρακτικά 12ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 148-151.
- 34 Μαντζούνη Ε., Μουτόπουλος Δ.Κ., Καλλιανιώτης Α., Σωμαράκης Σ., Κουτσικόπουλος Κ. 2005. Μοντέλα πινάκων για τη μελέτη της δομής και της δυναμικής του γαύρου (*Encraulis encrasicolus* L., 1758) στο Β. Αιγαίο. Πρακτικά 12ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 48-51.
- 35 Νικολιουδάκης Ν., Κουτσικόπουλος Κ., Μαχιάς Α., Σωμαράκης Σ. 2005. Κατανομή και αφθονία των αβγών και των ιχθυονυμφών του γαύρου σε σχέση με τις ωκεανογραφικές συνθήκες στο ΒΑ Αιγαίο. Πρακτικά 12ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 140-143.
- 36 Πριμηκύρη Α., Ράμφος Α., Κλαδάς Ι., Κουτσικόπουλος Κ. 2005. Μελέτη του στομαχικού περιεχομένου του σαργού (*Diplodus sargus*) στη Λιμνοθάλασσα Αντινιώτη. Πρακτικά 12ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 100-103.
- 37 Ρογδάκης Ι., Κατσέλης Γ., Βαβαρούτα Β., Μουτόπουλος Δ., Κουτσικόπουλος Κ. 2005. Αξιολόγηση της οικολογικής κατάστασης της λιμνοθάλασσας Πάπας (Ν. Αχαΐας) από τα αλιευτικά δεδομένα της περιόδου 1995-2005. Πρακτικά 12ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 282-284.
- 38 Τζανάτος Ε., Σωμαράκης Σ., Κουτσικόπουλος Κ. 2005. Η μικρή παράκτια αλιεία στον Πατραϊκό κόλπο το φθινόπωρο και το χειμώνα. Πρακτικά 12ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 39-43.
- 39 Ζόμπολα Σ., Κλαδάς Ι., Κατσέλης Γ., Ιωάννου Γ., Κουτσικόπουλος Κ. 2007. Εποχική εμφάνιση και πρότυπο εισόδου γυαλόχελων (*Anguilla anguilla* L. 1758) στα εσωτερικά ύδατα της Δυτικής Ελλάδας. Πρακτικά 13ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 273-276.
- 40 Κατσέλης Γ., Ράμφος Α., Γεωργάκης Ι., Δημητρίου Ε., Κουτσικόπουλος Κ. 2007. Διακυμάνσεις στη θερμοκρασία αέρα και νερού στο λιμνοθαλάσσιο σύμπλεγμα Μεσολογίου - Αιτωλικού. Πρακτικά 13ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 499-502.
- 41 Κούκου Κ., Καρράς Π., Μάκου Μ., Βορεινάκης Φ., Βιδάλης Κ., Κουτσικόπουλος Κ., Κατσέλης Γ. 2007. Επίδραση της έντασης του προστιθέμενου φωτός στην αναπαραγωγική

- ωρίμανση και στην αύξηση του σωματικού βάρους της τσιπούρας σε κλωβούς. Πρακτικά 13ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 287-290.
- 42 Λεονταρίτου Π., Ράμφος Α., Κουτσικόπουλος Κ. 2007. Επίδραση της αλατότητας στην πλευστότητα των αυγών της τσιπούρας *Sparus aurata*, (Linnaeus, 1758). Πρακτικά 13ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 291-294.
- 43 Σπάλα Κ., Κατσέλης Γ., Δημητρίου Ε., Κουτσικόπουλος Κ. 2007. Χρονισμός των αλιευτικών ενεργειών στις παραδοσιακές ιχθυοσυλληπτικές εγκαταστάσεις της λιμνοθάλασσας της Κλείσοβας με τον ημερήσιο παλιρροιακό κύκλο. Πρακτικά 13ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 269-272.
- 44 Σπίνος Ε., Κατσέλης Γ., Κουτσικόπουλος Κ., Φραγκοπούλου Ν. 2007. Χωροχρονική διακύμανση των υδρολογικών χαρακτηριστικών της λιμνοθάλασσας Κουτάβου Κεφαλονιάς. Πρακτικά 13ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 507-510.
- 45 Τζανάτος Ε., Σωμαράκης Σ., Τσερπές Γ., Κουτσικόπουλος Κ. 2007. Κατά μήκος σύνθεση αλιεύματος της μικρής παράκτιας αλιείας στον Πατραϊκό κόλπο. Πρακτικά 13ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 237-240.
- 46 Μουτόπουλος Δ.Κ., Ράμφος Α., Σπάλα Κ., Χριστοδούλου Β., Κατσέλης Γ., Κουτσικόπουλος Κ. 2009. Κατά μήκος συνθέσεις των σημαντικότερων ειδών ψαριών της Παράκτιας αλιείας στον Πατραϊκό και Κορινθιακό κόλπο. Πρακτικά 9ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος II, 829-833.
- 47 Κουτσικόπουλος Κ., Πούλος Κ., Χριστοδούλου Β. 2009. Σύγκριση βασικών αλιευτικών στοιχείων από διαφορές επίσημες πηγές πληροφόρησης. Πρακτικά 9ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος II, 895-900.
- 48 Ράμφος Α., Μουτόπουλος Δ.Κ., Μούκα Α., Κατσέλης Γ., Κουτσικόπουλος Κ. 2009. Διερεύνηση της στρατηγικής της μικρής παράκτιας αλιείας στον Κορινθιακό κόλπο: προκαταρκτικά αποτελέσματα. Πρακτικά 9ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος II, 983-988.
- 49 Κυπαρίσσης Σ., Τσερπές Γ., Κουτσικόπουλος Κ. 2009. Η σημασία των ρηχών περιοχών της παράκτιας ζώνης για τα νεαρά άτομα ιχθύων εμπορικής σημασίας και τους ιχθυοπληθυσμούς. Πρακτικά 9ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος II, 989-994.
- 50 Μουτόπουλος Δ.Κ., Ράμφος Α., Σπάλα Κ., Κουτσικόπουλος Κ., Κατσέλης Γ. 2009. Διαχρονικές αλλαγές στο πρότυπο της αλιευτικής παραγωγής των κυριότερων ειδών των λ/θ του Αμβρακικού κόλπου. Πρακτικά 9ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος II, 995-1000.
- 51 Σπάλα Κ., Πυραλεμίδου Δ., Ρούσση Α., Κουτσικόπουλος Κ. 2009. Συγκριτική μελέτη ανάπτυξης αλιευτικού τουρισμού στις Κυκλάδες και τον Αμβρακικό κόλπο. Πρακτικά 9ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος II, 1001-1006.
- 52 Κούκου Κ., Ράμφος Α., Κουτσικόπουλος Κ., Κατσέλης Γ. 2009. Μοντέλο εκτίμησης της επίδρασης του ετησίου θερμοκρασιακού κύκλου και της εποχής εισόδου στην απόδοση της εκτροφής της τσιπούρας. Πρακτικά 9ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος II, 1135-1140.
- 53 Δημητρίου Ν., Παπαδογεώργος Σ., Κατσέλης Γ., Γιαννούλη Μ., Γιαννούλης Π., Κουτσικόπουλος Κ. 2009. Ανάλυση της συμπεριφοράς των αυτόματων καταγραφικών συστημάτων φυσικοχημικών παραμέτρων των λιμνοθαλασσών μετά από διαδικασίες

- περιοδικής συντήρησης. Πρακτικά 9ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, τόμος II, 1241-1246.
- 54 Δημητρίου Ε., Παρπούρα Α.Χ., Λιούρδη Μ., Μήλιος Κ., Κουτσικόπουλος Κ., 2010. Γεγονότα και αντιδράσεις για το θάνατο 1000 τόνων ψαριών σε 3 μονάδες ιχθυοκαλλιέργειας στον Αμβρακικό κόλπο. Πρακτικά 14ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 363-366.
- 55 Δημητρίου Ε., Ρούσση Α., Τασσιούλης Ι., Κουτσικόπουλος Κ., 2010. Καταγραφές ορισμένων περιβαλλοντικών παραμέτρων κατάντη διάρκεια και μετά την εκδήλωση ανοξικής κρίσης στην Ευξείνική λεκάνη της λιμνοθάλασσας του Αιτωλικού. Πρακτικά 14ου Πανελληνίου Συνεδρίου Ιχθυολόγων: 367-370.
- 56 Ηλιοπούλου Ν., Δημητρίου Ε., Τζανάτος Ε., Κουτσικόπουλος Κ. 2012. Βελτίωση της επιλεκτικότητας των ιχθυοσυλληπτικών εγκαταστάσεων της λιμνοθάλασσας του Μεσολογγίου με τροποποιήσεις των τεχνικών τους χαρακτηριστικών. Πρακτικά 10ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, 9 σελ..
- 57 Μουτόπουλος Δ.Κ., Κουτσικόπουλος Κ. 2012. Παράδοξα πρότυπα στις καταγραφές της αλιευτικής παραγωγής απο την ΕΛ.ΣΤΑΤ. Πρακτικά 10ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας, 9 σελ.

6. ABSTRACTS IN PROCEEDINGS OF NATIONAL CONFERENCES

- 1 Φραγκοπούλου Ν., Κ. Κουτσικόπουλος, Γ. Μήτση, Ι. Λυκάκης. 1998. Ο χρονισμός της κατακόρυφης μετανάστευσης του ζωοπλαγκτού στον Πατραϊκό κόλπο. 20ο Πανελλήνιο Συνέδριο Βιολογίας: 354-355.
- 2 Ράμφος Α., Κουτσικόπουλος Κ. Φραγκοπούλου Ν., Μαχιάς Α., Σωμαράκης Σ., Σώρρα Β. & Ι. Λυκάκης. 1999. Συγκριτική μελέτη του ζωοπλαγκτού παρακτίων περιοχών της Κεντρικής Ελλάδας. 21ο Πανελλήνιο Συνέδριο Βιολογίας, Σύρος: 257-258.
- 3 Σώρρα Β., Κ. Κουτσικόπουλος, Ν. Φραγκοπούλου και Ι. Λυκάκης, 1999. Επίδραση των ανοδικών ρευμάτων του Πατραϊκού κόλπου στην κατανομή του ζωο και ιχθυο-πλαγκτού. 21ο Πανελλήνιο Συνέδριο Βιολογίας,: 287-288
- 4 Δήμου Ι., Ι. Λυκάκης και Κ. Κουτσικόπουλος, 1999. Οικολογία και Βιολογία του δάκου της ελιάς (*Bactrocera oleae* GMELIN) στην Αχαΐα: προκαταρκτικά ευρήματα. 21ο Πανελλήνιο Συνέδριο Βιολογίας:61-62
- 5 Γκάνιας Κ., Σωμαράκης Σ., Κουτσικόπουλος Κ., Μαχιάς Α., Θεοδώρου Α. 2002. Η επίδραση της ατρησίας και των κενών ωοθυλακίων στο γοναδοσωματικό δείκτη της σαρδέλας. Πρακτικά 24^{ου} Πανελληνίου Συνεδρίου Ε.Ε.Β.Ε, Ερέτρια Εύβοιας.
- 6 Γιαννουλάκη Μ., Μαχιάς Α., Σωμαράκης Σ., Κουτσικόπουλος Κ., Χαραλάμπους Γ. 2003. Η επίδραση της τοπογραφίας της περιοχής στις χωρικές δομές του γαύρου και της σαρδέλας στις Ελληνικές θάλασσες. Περιλ. 7ου Πανελ. Συμπ. Ωκεανογρ. & Αλιείας, 190.
- 7 Γκανιάς Κ., Σωμαράκης Σ., Κουτσικόπουλος Κ., Μαχιάς Α., Θεοδώρου Α. 2003. Ρυθμοί ατρησίας στις ωθήκες της μεσογειακής σαρδέλας. Πρακτικά 7ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας: 183
- 8 Ίσαρη Σ., Φραγκοπούλου Α., Κουτσικόπουλος Κ. 2003. Ηλεκτρονική κλείδα για την αναγνώριση του μεσοζωοπλαγκτού. Πρακτικά 7ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας: 299.

- 9 Τζανάτος Ε., Γκάνιας Κ., Ίσαρη Σ., Ράμφος Α., Σωμαράκης Σ., Μαχιάς Α., Κουτσικόπουλος Κ., Φραγκοπούλου Ν. 2003. Φυσικά και βιολογικά χαρακτηριστικά των παράκτιων περιοχών της κεντρικής Ελλάδας κατά το αναπαραγωγικό μέγιστο της σαρδέλας.. Πρακτικά 7ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας: 188.
- 10 Ίσαρη Σ., Ράμφος Α., Σωμαράκης Σ., Κουτσικόπουλος Κ., Φραγκοπούλου Α. 2006. Η κατανομή του μεσοζωοπλαγκτού υπό την επίδραση του νερού της Μαύρης Θάλασσας (Ιούλιος 2004). Πρακτικά 8ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας: 51.
- 11 Κατσέλης Γ., Βαβαρούτα Β., Ρογδάκης Ι., Κουτσικόπουλος Κ. 2006. Περιοδικές μεταβολές της θερμοκρασίας στη λιμνοθάλασσα του Πάπα (Αραξος, Δυτική Ελλάδα). Πρακτικά 8ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας: 170
- 12 Μαντζούνη Ε., Μουτόπουλος Δ.Κ., Καλλιανιώτης Α., Σωμαράκης Σ., Κουτσικόπουλος Κ. 2006. Μελέτη της δυναμικής του γαύρου (*Engraulis encrasicolus* L., 1758) στο Β. Αιγαίο με τη χρήση μοντέλων πινάκων. Πρακτικά 8ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας: 221.
- 13 Τζανάτος Ε., Σωμαράκης Σ., Τσερπές Γ., Κουτσικόπουλος Κ. 2006. Απορριπτόμενα της μικρής παράκτιας αλιείας στον Πατραϊκό κόλπο. Πρακτικά 8ου Πανελληνίου Συμποσίου Ωκεανογραφίας και Αλιείας: 219.

7. SPECIAL EDITIONS

- 1 Chevalier R., Gondeaux E., Koutsikopoulos C., Mesnil B. 1988 - Séminaire d'initiation à la théorie et à la pratique des sondages. IFREMER DRV-88.027-RH/NANTES, 78pp.
- 2 Cladas Y., Koutsikopoulos C. and Zompola S. 2002. Monitoring of glass eel recruitment in Greece. In: Dekker W. (ed) Monitoring of glass eel recruitment. Netherlands Institute of Fisheries Research, IJmuiden, the Netherlands, report C007/02-WD, Volume 2B, pp. 237-240 (ISBN 90-74549-06-3).
- 3 Koutrakis E., Conides A., Parpoura A.C., van Ham E.H., Katselis G., Koutsikopoulos C. 2007. Lagoon Fisheries' Resources in Hellas. In: State of Hellenic fisheries, Papacostantinou C, Zenetos A, Vassilopoulou V, Tserpes G (Eds). HCMR Publications, ch6: 23-43.
- 4 Κουτσικόπουλος Κ. και συνεργάτες, 2003. Ανάπτυξη Τυπολογίας των Ελλήνων επαγγελματιών αλιέων μικρής παράκτιας αλιείας με βάση αλιευτικά, οικονομικά και κοινωνικά χαρακτηριστικά. Ειδική έκδοση Υπ. Διαχείρισης του Ε.Π.ΑΛ. 254 σελ.
- 5 Koutsikopoulos C. 2004. La realta Greca (Η Ελληνική πραγματικότητα). In: Diversificazione socioeconomica della piccola pesca nelle Aree Marine Protette. Pescaturismo e altre esperienze. Workshop proceedings in (IT, ES, EL) 29-35. (project E.U. 2002/C 132/11/38).
