

## Assoc. Prof. İSMET SAYGU

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Cukurova University, Su Ürünleri Fakültesi, Avlama Teknolojisi Ana Bilim Dalı, Turkey 2011 - 2018

Postgraduate, Akdeniz University, Su Ürünleri Fakültesi, Avlama Teknolojisi Ana Bilim Dalı, Turkey 2009 - 2011

Undergraduate, Karadeniz Technical University, Su Ürünleri Fakültesi, Su Ürünleri Mühendisliği, Turkey 2004 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Introductory course to Ecopath with Ecosim, Ecopath Research and Development Consortium, 2014

Education Management and Planning, Advanced course to Ecosim, Ecopath Research and Development Consortium, 2014

Education Management and Planning, Modelling dynamic ecosystem: beyond boundaries with EwE, Ecopath Research and Development Consortium, 2014

Education Management and Planning, Ecosystem Based Management Course using ECOPATH with ECOSIM, The Scottish Association for Marine Science, Scottish Marine Institute (SAMS), 2013

Education Management and Planning, Training workshop on Age Reading of Elasmobranchs in the GFCM Area, FAO, GFCM, 2012

Education Management and Planning, Conflicts over Commons Summer School: Fisheries, Boğaziçi ve Manchester Üniversiteleri, 2012

Foreign Language, ÖYP Dil Eğitimi, Gazi Üniversitesi, 2012

Education Management and Planning, Deney Hayvanları Kullanım Sertifikası, Akdeniz Üni., 2011

Education Management and Planning, Advanced Free diver, F.R.E.E (Rudi Castineyra & Yasemin Dalkılıç), 2010

Quality Management, HACCP, Karadeniz Teknik Üni., 2008

Quality Management, ISO 22000:2005, Karadeniz Teknik Üni., 2008

Education Management and Planning, CMAS\*\*\*Dalış, Türkiye Su Altı Sporları Federasyonu, 2006

## Dissertations

Doctorate, ECOSYSTEM BASED ASSESSMENT OF THE EFFECTS OF SHIFTING TRAWL CODENDS IN GULF OF MERSIN, EASTERN MEDITERRANEAN, Cukurova University, Su Ürünleri Faktesi, Avlama Teknolojisi Anabilim Dalı, 2018

Postgraduate, Determination of by-catch ray species from bottom trawl fisheries in gulf of Antalya and the survival rates of these species/Antalya Körfezi Dip Trol Balıkçılığında Hedef Dışı Avlanan Vatoz Balıkları ve Sağ Kalma Oranlarının Belirlenmesi , Akdeniz University, Fen Bilimleri Enstitüsü, Su Ürünleri Mühendisliği, 2011

## Research Areas

Agricultural Sciences, Seafood, Fishery Products

## Academic Titles / Tasks

Research Assistant PhD, Cukurova University, Su Ürünleri Fakültesi, Avlama Ve İşleme Teknolojisi Bölümü, 2011 - Continues

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Decadal changes in the Sea of Marmara indicate degraded ecosystem conditions and unsustainable fisheries**  
AKOĞLU E., SAYGU İ., DEMİREL EROL N.  
Frontiers in Marine Science, vol.11, 2024 (SCI-Expanded)
- II. **Spatiotemporal Density and Ecology of Batoids (Elasmobranchii) Along a Turkish Shelf-upper Slope of the Mediterranean Sea During Years 2009-2015**  
MUTLU E., DEVAL M. C., de Meo I., SAYGU İ., Miglietta C.  
THALASSAS, vol.38, no.1, pp.57-69, 2022 (SCI-Expanded)
- III. **Assessing Data-Poor Barrier Trap Fisheries in Akyatan Lagoon, Eastern Mediterranean Sea**  
SAYGU İ.  
THALASSAS, vol.38, pp.321-329, 2022 (SCI-Expanded)
- IV. **Using social media to identify recreational bluefish angling in the Mediterranean and Black Sea**  
ERYAŞAR A. R., SAYGU İ.  
MARINE POLICY, vol.135, 2022 (SSCI)
- V. **Community-level impacts of trawl selectivity in the Eastern Mediterranean Sea assessed using an ecosystem modelling approach**  
SAYGU İ., Heymans J. J., Fox C., Ozbilgin H., Bentley J. W., ERYAŞAR A. R., GÖKÇE G.  
ICES JOURNAL OF MARINE SCIENCE, vol.77, no.7-8, pp.2918-2932, 2020 (SCI-Expanded)
- VI. **The importance of alien species to the food web and bottom trawl fisheries of the Northeastern Mediterranean, a modelling approach**  
SAYGU İ., HEYMANS J. J., FOX C. J., Ozbilgin H., Eryasar A. R., GÖKÇE G.  
JOURNAL OF MARINE SYSTEMS, vol.202, 2020 (SCI-Expanded)
- VII. **MEDLEM database, a data collection on large Elasmobranchs in the Mediterranean and Black seas**  
Mancusi C., BAINO R., Fortuna C., De Sola L. G., Morey G., Bradai M. N., Kallianotis A., Soldo A., Hemida F., Saad A. A., et al.  
MEDITERRANEAN MARINE SCIENCE, vol.21, no.2, pp.276-288, 2020 (SCI-Expanded)
- VIII. **Grouper fishery in the Northeastern Mediterranean: An assessment based on interviews on resource users**  
MAVRUK S., SAYGU İ., Bengil F., Alan V., Azzurro E.

MARINE POLICY, vol.87, pp.141-148, 2018 (SSCI)

- IX. **Catch composition of trawl fisheries in Mersin Bay with emphasis on catch biodiversity**  
GÖKÇE G., SAYGU İ., Eryasar A. R.  
TURKISH JOURNAL OF ZOOLOGY, vol.40, no.4, pp.522-533, 2016 (SCI-Expanded)
- X. **AN EVALUATION OF THE FISHERY LANDING STATISTICS OF THE MEDITERRANEAN COAST OF TURKEY: STATISTICS OF WHICH SPECIES?**  
AVŞAR D., MAVRUK S., SAYGU İ., Ozbek E. O.  
TURKISH PART OF THE MEDITERRANEAN SEA: MARINE BIODIVERSITY, FISHERIES, CONSERVATION AND GOVERNANCE, vol.43, pp.275-304, 2016 (SCI-Expanded)
- XI. **Length- weight relationships of 10 fish species found off Antalya Bay, eastern Mediterranean**  
DEVAL M. C., GÜVEN O., SAYGU İ., KEBAPÇIOĞLU T.  
JOURNAL OF APPLIED ICHTHYOLOGY, vol.30, no.3, pp.567-568, 2014 (SCI-Expanded)
- XII. **The Effect of Codend Circumference on Selectivity of Hand-Woven Slack Knotted Codend in the North Eastern Mediterranean Demersal Trawl Fishery**  
Eryasar A. R., Ozbilgin H., GÖKÇE G., Ozbilgin Y. D., SAYGU İ., Bozaoğlu A. S., Kalecik E.  
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.14, no.2, pp.463-470, 2014 (SCI-Expanded)
- XIII. **The post-release survival of two skate species discarded by bottom trawl fisheries in antalya bay, eastern Mediterranean**  
Saygu İ., DEVAL M. C.  
Turkish Journal of Fisheries and Aquatic Sciences, vol.14, no.4, pp.947-953, 2014 (SCI-Expanded)
- XIV. **First record of two deep-water fish, Bellottia apoda and Symphurus ligulatus in the Turkish Mediterranean Sea**  
Gramitto M. E., DEVAL M. C., Saygu I.  
CYBIUM, vol.35, no.1, pp.75-76, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Fishers' responses towards the banning white grouper fishery in Turkey**  
MAVRUK S., SAYGU İ., BENGİL F.  
Journal of Wildlife and Biodiversity, vol.4, pp.50-57, 2020 (ESCI)
- II. **Lionfish distribution in the eastern Mediterranean coast of Turkey**  
Özgür Özbek E., MAVRUK S., SAYGU İ., Öztürk B.  
JOURNAL OF THE BLACK SEA/MEDITERRANEAN ENVIRONMENT, vol.23, pp.1-16, 2017 (Peer-Reviewed Journal)

## Books

- I. **Food Web Modelling as a Tool for Ecosystem Based Fisheries Management in the Eastern Mediterranean Sea**  
SAYGU İ., Akoğlu E.  
in: The Turkish Part of the Mediterranean Sea, Marine Biodiversity, Fisheries, Conservation and Governance, Turan C., Salihoglu B., Ozturk Ozbek, E., Ozturk, B., Editor, Turkish Marine Research Foundation Press, İstanbul, pp.305-319, 2016
- II. **An evaluation of the fishery landing statistics of the Mediterranean coast of Turkey: statistics of which species?**  
AVŞAR D., MAVRUK S., SAYGU İ., ÖZGÜR ÖZBEK E.  
in: The Turkish Part of the Mediterranean Sea. Marine Biodiversity, Fisheries, Conservation and Governance., Turan C., Salihoglu, B., Ozgur Ozbek, E., Ozturk, B, Editor, Turkish Marine Research Foundation Press, İstanbul, pp.275-304, 2016
- III. **An Evaluation of the Fishery Landing Statistics of the Mediterranean Coast of Turkey: Statistics of**

### **Which Species?**

AVŞAR D., MAVRUK S., SAYGU İ., ÖZGÜR ÖZBEK E.

in: The Turkish Part of the Mediterranean Sea Marine Biodiversity Fisheries Conservation and Governance, Cemal TURAN, Barış SALİHOĞLU, Elif ÖZGÜR ÖZBEK, Bayram ÖZTÜRK, Editor, Türk Deniz Araştırmaları Vakfı, İstanbul, pp.275-304, 2016

#### **IV. An evaluation of the fishery landing statistics of the Mediterranean coast of Turkey: statistics of which species?**

AVŞAR D., MAVRUK S., SAYGU İ., Özgür Özbek E.

in: The Turkish Part of the Mediterranean Sea Marine Biodiversity Fisheries Conservation and Governance, Turan C., Salihoglu, B., Özgür Özbek, E., Öztürk, B., Editor, Turkish Marine Research Foundation, İstanbul, pp.275-304, 2016

### **Papers Published in Refereed Scientific Meetings**

- I. **Size selectivity of barrier traps for Gilthead Sea Bream (*Sparus aurata*): A FISHSELECT application**  
GÖKÇE G., ÖZBİLGİN H., TOKAÇ A., ATAR H. H., SAYGU İ., HERRMANN B.  
FAO-ICES WGFTFB, 4 - 08 June 2018
- II. **Fishery threats the spawning aggregations of mottled groupers (*Mycteroperca rubra*) in northeastern Mediterranean**  
MAVRUK S., SAYGU İ., BENGİL F., AVŞAR D.  
42nd Annual Larval Fish Conference, Victoria, Canada, 24 - 28 June 2018, pp.34
- III. **Kuzey Kıbrıs Türk Cumhuriyeti deniz alanlarında bazı fiziksel ve biyojeokimyasal değişkenlerin yılı ve yıllar arası değişiminin değerlendirilmesi**  
Bengil F., MAVRUK S., SAYGU İ.  
3. Ulusal Deniz Bilimleri Konferansı, İzmir, Turkey, 9 - 12 May 2018, pp.1
- IV. **Strongholds for Groupers in Iskenderun Bay (Northeastern Mediterranean): Biodiversity, Fishery, Conservation and Management**  
MAVRUK S., SAYGU İ., Bengil F., Alan V.  
The Rufford Foundation Grant Recipients Conference, Kharkiv, Ukraine, 23 - 25 April 2018, pp.1
- V. **What will ecosystem modelling reveal about improved trawl selectivity? Case study: *Mullus barbatus*.**  
SAYGU İ., Heymans S. J., ÖZBİLGİN H., ERYAŞAR A. R., GÖKÇE G.  
The International Society for Ecological Modelling Global Conference (ISEM2017), Jeju Island, South Korea, 17 - 21 September 2017
- VI. **Kuzeydoğu Akdeniz'de Kalın Paragat Filosu ve Av Baskısının Tahmini**  
Demir O., GÖKÇE G., MAVRUK S., SAYGU İ., Kalecik E., Fakioğlu Y. E., Özbilgin H.  
19. Ulusal Su Ürünleri Sempozyumu, Sinop, Turkey, 12 - 15 September 2017, pp.1
- VII. **Spatio-Temporal distribution of the bathyal Shark species of Antalya Bay, Eastern Mediterranean**  
DEVAL M. C., SAYGU İ.  
The 3th International Symposium on EuroAsian Biodiversity, Minsk, Belarus, 5 - 08 July 2017
- VIII. **Potential of Ecopath with Ecosim for Ecosystem Approach to Fisheries in Eastern Mediterranean Sea**  
SAYGU İ., GÖKÇE G.  
Ecology 2017 International Symposium, Kayseri, Turkey, 11 - 13 May 2017
- IX. **Top Predators and Their Trophic Levels in the Northeastern Mediterranean Food Web**  
SAYGU İ., Heymans S. J., ÖZBİLGİN H., ERYAŞAR A. R., GÖKÇE G.  
Ecology 2017 International Symposium, Kayseri, Turkey, 11 - 13 May 2017
- X. **Preliminary Results of Local Ecological Knowledge on the Grouper (*Epinephelinae*) Populations in Iskenderun Bay**  
MAVRUK S., Bengil F., SAYGU İ., Alan V.  
Ecology 2017, Kayseri, Turkey, 11 - 13 May 2017, pp.1

- XI. **The distribution of lionfish in the Eastern Mediterranean coast of Turkey using local knowledge and social media**  
Özgür Özbek E., MAVRUK S., SAYGU İ., ÖZTÜRK B.  
Workshop on the Lionfish in the Eastern Mediterranean Sea: New problems, new solutions (Distribution, Eradication Utilization), 9 - 10 February 2017
- XII. **The distribution of Lionfish in the eastern Mediterranean coasts of Turkey using local knowledge and social media**  
Özgür Özbek E., MAVRUK S., SAYGU İ., Öztürk B.  
Workshop on the Lionfish in the Eastern Mediterranean Sea: New problems, new solutions: Distribution, Eradication & Utilization, Antalya, Turkey, 9 - 10 February 2017, pp.1
- XIII. **Kuzeydoğu Akdeniz'de Kalın Paragat Filosu ve Av Baskısının Tahmini**  
Demir O., GÖKÇE G., MAVRUK S., SAYGU İ., Kalecik E., Fakioğlu Y. E., ÖZBİLGİN H.  
19. Ulusal Su Ürünleri Sempozyumu, Sinop, Turkey, 12 - 15 September 2017, pp.44
- XIV. **Can rectangular mesh codends improve size selectivity in Mediterranean multispecies trawl fishery?**  
GÖKÇE G., Herrmann B., Özbilgin H., SAYGU İ., KALECİK E., Demir O., Tokaç A., Krag L. A.  
7th World Fisheries Congress, Busan, South Korea, 23 - 27 May 2016, pp.107
- XV. **Can rectangular mesh codends improve size selectivity in Mediterranean multispecies trawl fisheries**  
GÖKÇE G., HERRMANN B., ÖZBİLGİN H., SAYGU İ., KALECİK E., DEMİR O., TOKAÇ A., Ludvig Ahm K.  
The 7th World Fisheries Congress, 23 - 27 May 2016
- XVI. **Yumurtalık ve Gölovası Kıyı Balıkçılarının Avcılık Davranışlarının Alansal Analizi**  
EBRUCAN K., DEMİR O., FAKIOĞLU Y. E., SAYGU İ., YILMAZ Ö., SEZGİN S., BÜŞRA T., ÖZBİLGİN H., GÖKÇE G.  
18. Ulusal Su Ürünleri Sempozyumu, İzmir, Turkey, 1 - 04 September 2015
- XVII. **Can the rectangular mesh codends solve multi species fishery selectivity problems**  
GÖKÇE G., BENT H., ÖZBİLGİN H., SAYGU İ., EBRUCAN K., DEMİR O., TOKAÇ A.  
ICES-FAO WorkingGroup on Fishing Technology and Fish Behaviour (WGFTFB), 4 - 07 May 2015
- XVIII. **Yumurtalık ve Gölovası Balıkçılarının Avcılık Davranışlarının Uzaktan Algılama Yöntemi ile Alansal Analizi**  
Kalecik E., Demir O., Fakioğlu Y. E., SAYGU İ., YILMAZ Ö., Sezgin S., Ozbilgin H., Tanrikulu B., GÖKÇE G.  
18. Ulusal Su Ürünleri Sempozyumu, İzmir, Turkey, 1 - 04 September 2015, pp.500
- XIX. **Catch Composition of Demersal Trawl Fisheries in Mersin Bay Turkey**  
SAYGU İ., ERYAŞAR A. R., GÖKÇE G., Özbilgin H., MAVRUK S., Özbilgin Y., Kalecik E., Bozoğlu A. S.  
Symposium on EurAsian Biodiversity (SEAB-2015), Baku, Azerbaijan, 1 - 05 June 2015, pp.1
- XX. **MERSİN KÖRFEZİ DİP TROLÜ AV KOMPOZİSYONUNDAKİ TÜRLERİN IUCN KIRMIZI LİSTESİNDEKİ YERİ**  
ÖZBİLGİN H., ERYAŞAR A. R., GÖKÇE G., ÖZBİLGİN Y., BOZAOĞLU A. S., KALECİK E., SAYGU İ.  
1. YABAN HAYVANLARI KONGRESİ, Turkey, 27 - 30 May 2015
- XXI. **Modelling impacts of fishing on trophic energy flow in mersin bay north eastern mediterranean**  
SAYGU İ., ERYAŞAR A. R., GAZİHAN AKOĞLU A., AKOĞLU E., HEYMANS S. J.  
Ecopath 30 Years, Modelling dynamic ecosystem: beyond boundaries with EwE, Barcelona, Spain, 4 - 14 November 2014, vol.22, pp.121-122
- XXII. **MEDLEM Database A data collection on large cartilaginous fishes in the Mediterranean basin**  
MANCUSI C., BIANO R., BARONE M., MOREY G., VACCHI M., GIL DE SOLA L., BRADAI M., SPERONE E., KALLIANOTIS A., HEMIDA F., et al.  
Sharks Internationals, Durban, South Africa, 2 - 06 June 2014
- XXIII. **The post release survival of discarded two skate species by bottom trawl fisheries in Antalya Bay eastern Mediterranean**  
SAYGU İ., DEVAL M. C.  
The First International Fisheries Symposium in Northern Cyprus, Girne, Cyprus (Kkct), 24 - 27 March 2013
- XXIV. **Selectivity of 44 mm diamond and square mesh PE codends in the deepwater trawl fishery of the Antalya Bay eastern Mediterranean**  
DEVAL M. C., ÖZGEN G., SAYGU İ., TOSUNOĞLU Z.  
GFCM Transversal workshop on selectivity improvement, by-catch reduction and alternative gears, Alexandria,

Canada, 25 - 27 October 2010

- XXV. **Elasmobranch species caught by demersal trawl fisheries in Gulf of Antalya eastern Mediterranean**  
DEVAL M. C., SAYGU İ., GÜVEN O., ÖZGEN G.  
GFCM First Transversal expert meeting on Elasmobranchs in the Mediterranean and Black Sea, Sfax, Tunisia, 20 - 22 September 2010

## Other Publications

- I. **İskenderun Körfezi Yuvarlak Sardalye *Sardinella aurita* ve hamsi *Engraulis engrasicolus* Larvalarının Beslenme Yoğunluğu ve Besin Kompozisyonunun İncelenmesi**  
MAVRUK S., TERBİYİK KURT T., AVŞAR D., SAYGU İ.  
Technical Report, pp.31, 2018

## Supported Projects

- SAYGU İ., EU Framework Program Project, Smart fisheries technologies for an efficient, compliant and environmentally friendly fishing sector (SMARTFISH), 2018 - Continues
- SAYGU İ., MAVRUK S., Sakarya Y., BÜYÜKDEVECİ F., Project Supported by Higher Education Institutions, Trol Balıkçılığındaki Yönetim Stratejilerinin TekTür Bazlı Modeller ile İncelenmesi, 2018 - 2022
- GÖKÇE G., ÖZBİLGİN H., Demir O., SAYGU İ., MAVRUK S., Project Supported by Higher Education Institutions, Kuzeydoğu Akdeniz'de Kalın Paragat Avcılığı, 2017 - 2022
- ÖZYURT C. E., SAYGU İ., TABAKOĞLU Ş. S., KİYAĞA V. B., Project Supported by Higher Education Institutions, Yumurtalık Bölgesinde Uygulanan Paraketa ile Levrek Avcılığının Özelliklerinin İncelenmesi, 2019 - 2021
- MAVRUK S., TERBİYİK KURT T., AVŞAR D., SAYGU İ., Project Supported by Higher Education Institutions, İskenderun Körfezi Yuvarlak Sardalye *Sardinella aurita* ve Hamsi *Engraulis engrasicolus* Larvalarının Beslenme Yoğunluğu ve Besin Kompozisyonunun İncelenmesi, 2017 - 2019
- SAYGU İ., Project Supported by Other Official Institutions, Dalyan Balıkçılığında Kuzuluk Çit Aralığının Belirlenmesi, 2016 - 2018
- GÖKÇE G., ÖZBİLGİN H., TOSUNOĞLU Z., SAYGU İ., Project Supported by Higher Education Institutions, Dalyan Balıkçılığının Sorunları ve Çözüm Önerileri Çalışması, 2017 - 2017
- GÖKÇE G., SAYGU İ., Sezgin S., YANAR Y., Project Supported by Higher Education Institutions, Geleneksel Trol Balıkçılığında Kullanılan Kapı Tipleri, Özellikleri ve Sayısal Olarak Modellenmesi, 2015 - 2017
- GÖKÇE G., Kalecik E., Demir O., Fakoğlu Y. E., SAYGU İ., ÖZBİLGİN H., Project Supported by Higher Education Institutions, Yumurtalık ve Gölovası Balıkçıların Avcılık Davranışlarının Uzaktan Algılama Yöntemi ile Alansal Analizi, 2015 - 2016

## Metrics

Publication: 47  
Citation (WoS): 65  
Citation (Scopus): 96  
H-Index (WoS): 6  
H-Index (Scopus): 7

## Non Academic Experience

University of Exeter, Postdoctoral Research Fellow  
Scottish Association for Marine Science, Visiting Researcher  
Scottish Association for Marine Science, Visiting Researcher

Dedeman Aquapark, Deniz Akvaryumu, Su Ürünleri Mühendisi