

## Ercan Avsar – Short CV

### ORCID

0000-0002-1356-2753

### Degrees

- 2016 – Electrical and Electronics Engineering, Cukurova University, Turkey
- 2009 – Biomedical Engineering, Istanbul Technical University, Turkey
- 2007 – Electrical and Electronics Engineering, Cukurova University, Turkey

### Positions

- **May 2024 – present:** Tenure Track Researcher, DTU Aqua, Hirtshals, Denmark
- **May 2022 – May 2024:** PostDoc Researcher, DTU Aqua, Hirtshals, Denmark
- **April 2021 – February 2023:** Assistant Professor Dr., Dokuz Eylul University, Computer Engineering Department, Izmir, Turkey
- **May 2018 - April 2021:** Assistant Professor Dr., Cukurova University, Electrical and Electronics Engineering Department, Adana, Turkey

### Research area

My research centers on computer vision and deep learning, with a particular focus on applications in fisheries. I have worked on projects involving fish species detection, tracking in underwater videos, and real-time catch monitoring systems. My goal is to develop intelligent visual tools that support sustainable fisheries management and marine research.

### Publications

Type of publication:	Number
Web of Science publications:	23
Citations:	228
<i>h</i> -index:	9
Other peer review publications:	10
Books:	0
Book chapters:	0
Reports:	1

### International conferences (last 5 years)

Type of participation:	Number
Contributions as first author:	2
Invited:	0
Organizing role:	0

### Supervision (ongoing or finished in the last 5 years)

	Principal/main supervisor	Co-supervisor
Other (MSc etc.)	1	0
PhD:	0	1
Postdoc:	0	0

### Grants (competitive) (ongoing or finished within last 5 years)

- ECO-CATCH: sustainable fisheries for the Baltic/North Sea basin – Horizon Europe
- OptiFish: Optimisation of digital catch monitoring and reporting in European Fisheries – Horizon Europe
- MarineBeacon: Monitoring and elimination of bycatch of endangered and conserved species in the NE and high seas Atlantic region – Horizon Europe
- ACCELERATOR: Accelerate a transformation towards a sustainable and value optimized catch and processing of fish caught by bottom trawling - EMFAF
- TEFIMO: Technologies for ecosystem and fisheries monitoring - EMFAF

**Selected publications**

- LatentResNet: An Optimized Underwater Fish Classification Model with a Low Computational Cost, 2025, Journal of Marine Science and Engineering
- Edge computing based real-time Nephrops (*Nephrops norvegicus*) catch estimation in demersal trawls using object detection models, 2024, Scientific Reports
- Estimating catch rates in real time: Development of a deep learning based Nephrops (*Nephrops norvegicus*) counter for demersal trawl fisheries, 2023, Frontiers in Marine Science