

Table 2 Research papers used for this study

Title	Years	Authors
Advances in geographic information systems and remote sensing for fisheries and aquaculture	2013	Meaden and Manj arrez
Remote fish aquaculture monitoring system based on wireless transmission technology	2014	Sung, Chen and Wang
Advanced application of geospatial technology for fisheries perspective in the Tarai region of the Himalayan state of Uttarakhand	2015	Ingole et al.
Automated Monitoring System for the Fish Farm Aquaculture Environment	2015	Chen, Sung and Lin
Coping styles in farmed fish: consequences for aquaculture	2015	Castanheira et al.
Application of machine vision systems in aquaculture with emphasis on fish: state-of-the-art and key issues	2016	Saberioon et al.
A proposed fish counting algorithm, using digital image processing techniques	2017	Aliyu et al.
Advances of genotyping-by-sequencing in fisheries and aquaculture	2017	Li and Wang
Applications of next-generation sequencing in fisheries research: a review	2017	Kumar and Kocour
Intelligent feeding control methods in aquaculture with an emphasis on fish: a review	2017a	Zhou et al.
Near-infrared imaging to quantify the feeding behaviour of fish in aquaculture	2017b	Zhou et al.
IoT-based automated fish farm aquaculture monitoring system	2018	Saha, Rajib and Kabir
Near-infrared computer vision and neuro-fuzzy model-based feeding decision system for fish in aquaculture	2018	Zhou et al.
How emerging data technologies can increase trust and transparency in fisheries	2019	Probst
Innovations and digital transformation of the Russian fishery complex	2019	Kharin, Kuzin and Mnatsakanyan
A secure fish farm platform based on blockchain for agriculture data integrity	2020	Hang, Ullah and Kim
Automatic recognition methods of fish feeding behaviour in aquaculture: a review	2020	Li et al.
Genomes of major fishes in world fisheries and aquaculture: status, application and perspective	2020	Lu and Luo
Intelligent monitoring and control technologies of open sea cage culture: a review	2020	Wei, Wei and An
Prospects and opportunities for the introduction of digital technologies into the aquaculture governance system	2020	Gorbunova et al.
Technological applications and adaptations in aquaculture for progress towards sustainable development and seafood security	2020	Mustafa et al.
Application of machine learning in intelligent fish aquaculture: a review	2021	Zhao et al.
Aquaculture in Brazil: past, present and future	2021	Valenti et al.
Computer vision models in intelligent aquaculture with emphasis on fish detection and behavior analysis: a review	2020	Yang et al.
Digitalization in the context of solving ecosystem problems in the fishing industry	2021	Mnatsakanyan and Kharin
An overview of disruptive technologies for aquaculture	2022	Yue and Shen
AI and IoT-based collaborative business ecosystem: a case in Chinese fish farming industry	2023	Yang et al.
Digital transformation on aquaculture in indonesia through efishery	2023	Zainudin et al.
The application and research of new digital technology in marine aquaculture	2023	Zhang and Gui
The role of digital technologies in supporting and improving fishery and aquaculture across the supply chain-Quo Vadis	2023	Rowan