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**2016 Ph.D. Environmental Engineering (Aquaculture Modeling) UPM University Putra Malaysia**

**Thesis: DEVELOPMENT OF AN INTEGRATED MODEL FOR SUSTAINABLE QUACULTURE AND OPTIMIZATION OF FISH PRODUCTION**

**1991 BS Hydraulic Structure Amirkabir (Tehran Polytechnic) University**

**Thesis: Numerical Model for flood routing in lakes**

**1985 BS Civil and Structural Engineer Isfahan University of Technology**

**Patent and Innovation**

ISIF2022 Silver Medal and Turkish Patent for Aqua-AIM Software Fish Simulation Model

Tapered Vortex Tube Trap for Aquaculture TSS effluent IR 1388/77-61205 · Issued, 2008

Suspended Solid Removal Device for Fish Farm Raceway IR 38710085 · Issued Jan 1, 2008

Key Speaker 2nd International Iran Cold Water Conference Sharekord 2014

Lecturer of FAO Regional 1st Shrimp Farming Training Course Bousher 2003

**Advisor**

Iran Aquaculture Development Director

Iran University of Science and Technology .Marine Aquaculture Service Center

P**ojects:**

Caspian mariculture Investigation BioEconomic and TRIX model

Design about 10 RAS and PRAS fish farm

Design about 20 Shrimp Farm Complex

BioEconomic Model & Production Plan Optimization about 30 Aquaculture Project

FSM Fish Farm Scale Model for 20 project

Marine Hatchery in Qeshem Island Engineering and Modeling

Caviar Fish farms in Caspian sea coastline Engineering and Modeling 3 private sector

Shrimp Farm Complex in Oman Production Plan Modeling

PAW Plasma Activated Water in RAS

**Publications**

Gholizadeh Mohammad 2017 DEVELOPMENT OF AN INTEGRATED MODEL FOR SUSTAINABLE AQUACULTURE AND OPTIMIZATION OF FISH PRODUCTION Dissertation UPM

[**http://psasir.upm.edu.my/id/eprint/76144/1/FPAS%202018%2024%20-%20IR.pdf**](http://psasir.upm.edu.my/id/eprint/76144/1/FPAS%202018%2024%20-%20IR.pdf)

Mohammad Gholizadeh, Hosna Gholizadeh (2023) “Bio Economic Model for Fish Cage Farms” Ahwaz Aquaculture International Conference

Zorrieh, S. M. J. & Gholizadeh, M. et al (2012). Assessment of environmental factors effects on enteric redmouth disease occurrence in rainbow trout (*Oncorhynchus* mykiss) farms in Hamedan province of Iran. *Journal of Comparative Clinical Pathology Research*, pp. 79-85.

Zorrieh, S.M.J. & Gholizadeh, M. (2010). Study of some hematological and biochemical parameters of Rainbow trout (*Oncorhynchus mykiss*) fry in western part of Mazandaran province of Iran. *Iranian Journal of Fisheries Sciences*, Volume 9

**Conference paper**

Gholizadeh, M (2015) A Mathematical Model for Sturgeon Fish Production Optimization in Fluctuation Temperature WAS *meeting Tehran*

Gholizadeh, M., Z.Z. Ibrahim & F. Jaderi (2010). Modeling Trout Farm Production Capacity

Cope with Impacts of Climate Change in Haraz River, *Food Security and Climate Change Conference FCC2010*, Pinang, Malaysia.

Gholizadeh, M. (2002). Potential application of fuzzy theory in aquaculture engineering,

*WAS World Aquaculture Society Conference*, Beijing, China.

Gholizadeh, M. & Abbasi Liasi, S. (2006). DSS software for production management of rainbow trout *Onchorhynchus mykiss*, *WAS World Aquaculture Society Conference*, Firenze, Italy.

Gholizadeh, M. & Abbasi Liasi, S. (2006). Modeling of indicus shrimp growth rate in Tiab Hormozgan, *WAS World Aquaculture Society Conference*, Firenze, Italy

Gholizadeh, M. & Abbasi Liasi, S. (2005). Modeling of shrimp farm impact on marine environment, *International workshop on the protection of coastal marine environment*, Izmir, Turkey.