**Amirhossein Jalaeian Hassanpour**

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**Environmental Engineer│Environmental Aquaculture Specialist│R&D Expert│ Aquaculture Bioeconomic Modeler│Optimization in** **Aquaculturing models│RAS Design Expert│Aquaculture model Developer│Numerical Modeling of Marine Currents**

Environmental Engineer with +8 years experience specializing in aquaculture systems (RAS/ERAS), bioeconomic model, and hydrodynamic modeling(ROMS, MIKE21). Developed Iran's first 7-sensor water quality CTD device at Sepahan Tech. while executing environmental projects for Iranian Fisheries Org. and Dept. of Environment. National Elite Member with diverse projects leadership experience including: serving as Project Supervisor for Tehran's Waste Management Plan and managing multiple construction projects (commercial/residential high-rises) from planning to execution.

WORK EXPERIENCE

**Marine, Water, and Aquaculture Technology Services Department at IUST** ● 03/2021 – Present  
**Environmental Executive Manager** ● Full-time

* Modeling & Optimization of Shrimp Growth in RAS*(Oman, Muscat)*
* Executive Director of the Aquaculture Cage farming Project*(Iran, Southern Caspian Sea)*:
* Developed Aquaculture Integrated Model(AIM) for aquaculture species
* Designed Bioeconomic Models for cost-benefit optimization
* Recirculating Aquaculture System(RAS) Design:
* ERAS*(Iran, Shiraz University of Veterinary Medicine)*
* RAS*(Iran, Daliran)*
* RAS*(Iran, Delvar)*

**Sepehran Smart Technology Development Co.** ●05/2020 – 03/2021 **R&D and Technician** ● Part-time

* Development of skimmer(MANA) by managing the execution team, performing as a technician and integrating advanced mechanical systems.
* Developed and calibrated CTD and PTL devices for environmental monitoring, ensuring accurate data collection and compliance with standards.
* Technical supervisor of the implementation of the waste separation project in Tehran, ensuring compliance with Environmental Impact Assessment(EIA) standards.

**Course** ● 01/2021 – 01/2022 ● Part-time

**Master of Business Administration (MBA) - University of Tehran(UT)**

Completed specialized training in business management, leadership, and strategic decision-making.

SKILLS

Aquaculture modeling, Numerical Ocean Modeling**,** CE-QUAL-W2, MIKE21, ROMS, Oil Spill Modeling, Data-Mining, MSP, Linux, MATLAB, Data analysis