



Sergio Rengel López

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WORK EXPERIENCE

 **GAMBALUCIA, S.L.** – AYAMONTE, SPAIN

FACILITY MANAGER – 28/04/2017 – CURRENT

- Production planning and process optimization.
- Shrimp production (*Marsupenaeus japonicus*) full cycle (Maturation, Hatchery, Nursery, Grow Out).
- Processing Plant (HAPPC).
- Production systems: Semi-intensive, RAS, Biofloc.
- Responsible for procurement management and supplier negotiations.
- Task planning and workers coordination.

 **NORAY SEAFOOD** – MEDINA DEL CAMPO, SPAIN

FACILITY MANAGER – 11/01/2016 – 27/04/2017

- Production planning and process optimization.
- Shrimp (*L. vannamei*) full cycle production (Maturation, Hatchery, Grow Out).
- Biofloc superintensive production system (Indoor).
- Management of a zero water exchange system in shrimp production
- Responsible for procurement management and supplier negotiations.
- Task planning and workers coordination.

 **NATIONAL AQUACULTURE (NAQUA)** – AL LITH, SAUDI ARABIA

NURSERY - MANAGER – 11/01/2015 – 18/12/2015

- Managing larval production across five nurseries, coordinating farm managers to produce 150 million juveniles for grow-out operations.
- Design of water culture systems, feeding tables, animal health, production programs and harvest process.
- Control Systems: Design of management applications, development of new standard operative procedures (SOP).
- R/D: Biofloc systems, Green water systems, Formula feeds, Aeration systems.

 **ACUINOVA, S.L. (PESCANOVA GROUP)** – AYAMONTE, SPAIN

AQUACULTURE SPECIALIST – 16/04/2002 – 15/08/2014

- Production Manager: Leading a team of 25 workers in integrated shrimp (*M. japonicus*) culture (Hatchery, Nursery, Grow-Out, Fishing and Processing Plant).
- Laboratory Manager: Quality control of water and feed. Microbiology and diseases control.
- Auxiliary Cultures: Microalgae Production and Artemia.
- Processing Plant Manager: Implementation of a HACCP-based self-control system.
- Environment Manager: Waste and effluent management.
- Quality Manager: Water quality controls, feeds and food (fish and shrimp).
- R/D: Collaboration with universities on research projects with universities in Gilt-head sea bream, Sole and Meagre.
- Others Researches: Feed formulas, probiotics, microalgae, biological summaries (*Octopus vulgaris*, *Mitilus galloprovincialis*).

 **NOVAGUATEMALA** – CHAMPERICO, GUATEMALA

AQUACULTURE SPECIALIST – 14/01/2013 – 31/05/2013

- Broodstock & Hatchery Manager: Leading a Laboratory on Maturation of shrimp (*Litopenaeus vannamei*). Broodstock for Nauplii production with Recirculating Aquaculture System (RAS).
- Farm Manager: Management of Larviculture Laboratory (stocking, food, probiotics, water quality, treatment/analysis, harvest process).

-Intensive Systems of Grow-out of shrimp (*Litopenaeus vannamei*), 15 MT/Ha. Implementation of optimized production systems, daily monitoring of physico-chemical parameters (pH, oxygen, Secchi, salinity, ammonium, nitrite, phosphate, alkalinity, balance Ca/Mg, microalgae and microbiology). Food management, fertilization systems, treatments and harvest process.

🏠 **ELECTRIC NETWORK OF SPAIN (REE)** – SEVILLE, SPAIN

ENVIRONMENTAL AREA – 08/01/1996 – 08/01/1997

Development of "Environmental Inventories" in high voltage power lines. Field work in protected areas of Andalusia and development of documentary and cartographic records of flora, fauna, landscape, geology, soils, climate, water regime. Classification of environmental and preventive and corrective measures.

● **EDUCATION AND TRAINING**

10/10/1989 – 04/04/1995 Seville, Spain

UNIVERSITY DEGREE IN BIOLOGY University of Seville

Marine Cultures

Biology Marine Benthos

Website <https://www.us.es/> | **Field of study** Marine Biology | **Level in EQF** EQF level 6

02/03/1995 – 11/07/1995 Seville, Spain

MASTER'S DEGREE IN ENGINEERING AND ENVIRONMENTAL MANAGEMENT School of Industrial Organization (EOI)

Water: Drinking-Industrial-Urban Waste. Integral Management: Analysis, Treatment, Purification.

Waste: Hazardous, Non-Hazardous, Radioactive. Recovery, Reuse and Recycling.

Air: Industrial Emissions Study, Urban, Rural, Natural. Filtration Systems and use.

Soils: Pollution, Treatment, Preventive Solutions.

Noises: Types of noise, acoustic insulation systems.

Environmental Impact: Assessment and Environmental Impact Studies. Environmental Audit.

Website <https://www.eoi.es/es> | **Field of study** Industrial Engineering, focused in environmental management |

Level in EQF EQF level 7 | **Type of credits** 900 h

06/07/2015 – 10/07/2015 Bangkok, Thailand

INNOVATIVE BIOFLOC TECHNOLOGIES FOR DISEASE PREVENTION AND CONTROL IN SHRIMP FARMING

AIT - Asian Institute of Technology

04/04/2006 – 07/05/2006 Cartaya, Spain

FISH PATHOLOGY Agricultural Training Institute and Fisheries

Main fish pathologies, diagnosis and treatments.

04/04/2010 – 05/05/2010 Ayamonte, Spain

SANITARY HYGIENIC MEASURES IN AQUACULTURE FACILITIES FEMXA GROUP

Self-Control Systems, General Hygiene Plans (Water, Sanitation, Maintenance, D & D, Cold Chain, Hygiene Standards, Best Practices, Supplier Management, Traceability, Disposal and Training.

05/04/2011 – 06/05/2011 Ayamonte, Spain

IMPLEMENTATION OF TRACEABILITY SYSTEMS FEMXA GROUP

Importance and utility, Rules, Responsibilities, Risk Management, and Automation Implementation Phases.

07/05/2011 – 11/06/2011 Ayamonte, Spain

HACCP: FISH, SEAFOOD AND FOOD HANDLING FEMXA GROUP

Food Safety System Implementation and Verification of HACCP. Application in Fishery products, Food Handling, Food Hygiene and Safety, Regulations, Food and Contaminants, Disease, Guide to Good Practice, Self Systems, General Plans of Hygiene and HACCP.

09/08/2012 – 04/09/2012 Cartaya, Spain

BONAQUA (GOOD PRACTICE IN MARINE AQUACULTURE) Agricultural Training Institute and Fisheries

Good practices, traceability, anatomy, diseases, prevention, diagnosis and treatment.

01/05/2001 – 02/06/2001 Seville, Spain

TOTAL QUALITY TECHNICIAN Confederation of Companies of Andalusia (CEA)

ISO-9001, Implementation, Management, preventive and corrective measures, Registration, Evaluation, Analysis.

04/05/1996 – 04/06/1996 Seville, Spain

UN-EN-ISO 14001 ENVIRONMENTAL MANAGEMENT SYSTEMS Quality Institute

Analysis of the Standard, Implementation, Maintenance and improvement of an EMS, Environmental Audit

04/07/2004 – 04/08/2004 Huelva, Spain

RISK PREVENTION. BASIC ENALBEN

Risk Professionals (Diseases and Pathology), Regulations, Prevention Systems and Equipment, First Aid.

15/06/2005 – CURRENT Huelva, Spain

COSTAL SKIPPER - PER Instituto Andaluz del Deporte - Junta de Andalucia

24/10/2014 – CURRENT Chiclana, Spain

PADI - OPEN WATER DIVER Oceanus

● LANGUAGE SKILLS

Mother tongue(s): **SPANISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C1	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

● JOB-RELATED SKILLS

Skills at work

Long experience in marine farming of different species, (specialized in shrimp farming), water quality management and environmental systems integrated. Specific training in these areas.

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Good relationships, promoting positive work environments by involving staff in their tasks.

● ORGANISATIONAL SKILLS

Organisational skills

Management and coordination of work groups in different areas of production.