



Sergio Rengel López

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WORK EXPERIENCE

28/04/2017 – CURRENT

TECHNICAL MANAGER GAMBALUCIA, S.L.

- Shrimp (*Marsupenaeus japonicus*) full cycle production (Maturation, Hatchery, Nursery, Grow Out).
 - Microalgae culture, probiotics.
 - Processing Plant (HAPPC).
 - Production systems: Semi intensive, RAS, Biofloc.
- Address** Finca El Dique s/n, 21400, Ayamonte, Spain

11/01/2016 – 27/04/2017

FACILITY MANAGER GAMBA NATURAL, SLU

- Shrimp full cycle production (Maturation, Hatchery, Nursery, Grow Out)
 - Biofloc superintensive production system (Indoor)
 - Research and Development in production systems and water depuration
- Address** Medina del Campo, Spain

11/01/2015 – 18/12/2015 Al Lith, Saudi Arabia

NURSERY - MANAGER NATIONAL AQUACULTURE (NAQUA)

- Management of shrimp (*L. vannamei*) production in intensive systems
 - Production: Juvenile production, water culture, feeding tables, parameters and 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.
- Address** Al-Lith, Saudi Arabia

16/04/2002 – 15/08/2014

AQUACULTURE SPECIALIST ACUINOVA, S.L. (PESCANOVA GROUP)

Production Manager

Leading a team of 25 workers in integrated shrimp (*M. japonicus*) culture (Hatchery, Nursery, Grow-Out, Fishing and Packaging). Extensive experience in growing Gilt Head Sea Bream, Bass, Sole and Meagre.

Laboratory Manager

Pathology Analysis (Fish and Shrimp), Water (Microbiology, Chemical and Physical Parameters), Feed (stability, density, humidity). Microbiology (Plantings in plaque isolates, antibiograms, staining, microscopy).

Auxiliary Cultures

Microalgae Production Manager (House of inocula and mass cultures) and Artemia (metanauplii).

Processing plant Manager

Implementation and Application "Auto Control System" (HACCP), "General Hygiene Plans" (fish and shrimp), Traceability. Packaging Eco-Management and Warehouse Control. Handlers Training.

Environment Manager

Poured released, Environmental Monitoring Plans, Hazardous and Non Hazardous Waste. Dangerous Goods. Soils.

Quality Manager

Water quality controls, feeds and food (fish and shrimp).

R/D

Collaborative projects with universities in Gilt-head sea bream, Sole and Meagre.

Others Researches: Salinity changes, feed formulas, probiotics, microalgae, alive/fresh packing, anesthetics, technical sheets (*M. japonicus*), biological summaries (*Octopus vulgaris*, *Mitilus galloprovincialis*).

Address Ayamonte, Spain

14/01/2013 – 31/05/2013

AQUACULTURE SPECIALIST NOVAGUATEMALA

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 and Grow-out 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.

Address Champerico, Guatemala

08/01/1996 – 08/01/1997

ENVIRONMENTAL AREA ELECTRIC NETWORK OF SPAIN (REE)

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.

Address Seville, Spain

EDUCATION AND TRAINING

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

UNIVERSITY DEGREE IN BIOLOGY University of Seville

Marine Cultures

Biology Marine Benthos

Address Seville, Spain | **Level in EQF** EQF level 6

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

INNOVATIVE BIOFLOC TECHNOLOGIES FOR DISEASE PREVENTION AND CONTROL IN SHRIMP FARMING AIT - Asian Institute of Technology

Address Bangkok, Thailand

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

FISH PATHOLOGY Agricultural Training Institute and Fisheries

Main fish pathologies, diagnosis and treatments.

Address Cartaya, Spain

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).

Address Ayamonte, Spain

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.

Address Ayamonte, Spain

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.

Address Ayamonte, Spain

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.

Address Cartaya, Spain

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.

Address Seville, Spain | **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

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.

Address Seville, Spain

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

Address Seville, Spain

04/07/2004 – 04/08/2004 Huelva, Spain

RISK PREVENTION. BASIC ENALBEN

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

Address Huelva, Spain

Address Huelva, Spain

24/10/2014 – CURRENT Chiclana, Spain

PADI - OPEN WATER DIVER Oceanus

Address Chiclana, Spain

● **LANGUAGE SKILLS**

Mother tongue(s): **SPANISH**

Other language(s):

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

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

● **ADDITIONAL INFORMATION**

ORGANISATIONAL SKILLS

Organisational skills Leading different teams in areas of Production, Maintenance, Laboratory and Quality.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills Good communication and used to working in multidisciplinary teams on various projects

JOB-RELATED SKILLS

Job-related skills

Many years of experience in marine farming of different species, in addition to quality and environmental systems integrated. Specific training in these areas.