

Juan Angel Gomez Cadena

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PROFESSIONAL PROFILE

Veterinarian specialized in fish health management and food safety, with strong experience in biosecurity implementation, diagnosis, and disease prevention in aquatic species. Skilled in laboratory analysis, pathology, and water quality monitoring. Committed to ensuring animal welfare and compliance with international aquaculture and food safety standards (BAP, HACCP, TIF).

PROFESSIONAL EXPERIENCE

Veterinarian – Fish Health Department
Pacifico Aquaculture |

July 2023 - March 2025

- Diagnosed and treated fish diseases across different production stages.
- Developed and implemented biosecurity and health monitoring protocols.
- Coordinated sampling and reporting with production and quality departments.
- Conducted pathology analyses, microbiology culture media preparation, and water quality monitoring.
- Trained staff on biosecurity, animal welfare, and food safety practices.
- Collaborated with external laboratories and universities for applied research and disease prevention.
- Prepared technical reports and reviewed health and production manuals.
- Ensured compliance with national and international sanitary regulations (BAP, etc.).
- Conducted applied research to improve fish health management and culture practices.
- Supervised handling protocols in aquaculture farms (transport, stocking, harvesting).
- Inspected water and product quality parameters during harvest operations.
- Coordinated sampling and reporting with production and quality departments.
- Conducted pathology analyses, microbiology culture media preparation, and water quality monitoring.
- Trained staff on biosecurity, animal welfare, and food safety practices.
- Collaborated with external laboratories and universities for applied research and disease prevention.
- Prepared technical reports and reviewed health and production manuals.
- Demonstrated strong problem-solving and adaptability skills in unexpected operational scenarios.

EDUCATION

Autonomous University of Baja California

2021-2023

Master of Science in Veterinary Sciences

Autonomous University of Baja California

2015-2020

Bachelor of Veterinary Medicine and Animal Science

KEY SKILLS

- Fish Health Management
- Aquaculture Biosecurity
- Pathology & Microbiology
- Water Quality Monitoring
- Data Analysis & Reporting
- Staff Training
- Research Collaboration
- BAP Certification
- Food Safety & HACCP
- Data Analysis & Reporting

PUBLICATIONS

- Gomez, A. et al. (2021). Use of fermented malted barley by-product as partial feed replacement and carbon source for rearing Nile tilapia (*Oreochromis niloticus*) juveniles. World Aquaculture Society.
<https://doi.org/10.1111/jwas.13062>

CERTIFICATIONS & CONTINUING EDUCATION

- Federal Inspection Type (TIF) Establishments Operation – Federation of Veterinary Colleges of Mexico (2023)
- Animal Welfare Seminar – FZIR Health Experts (2021)
- Food Safety Introduction – OIRSA
- Aquatic Animal Health and Fish Medicine – UABC / FZIR Experts in Health
- FAO Courses on Sanitary Risk Management, Food Security, and Agricultural Value Chains

PRESENTATIONS

- XXI National Oceanography Congress – Association of Oceanologists of Mexico (2021)
- Pan-American Congress of Veterinary Sciences (PANVET) (2021)
- Veterinary Medicine Congress IICV-UABC (2022)
- UABC Postgraduate Research Forum (2021)

VOLUNTEER EXPERIENCE

- President, Student Society – UABC (2019): Coordinated projects, managed funds, and liaised with university authorities.
- Treasurer, Rotaract Mexicali Centinela, Rotary International (2021): Financial management and event coordination.