

GLENN R. AGUA

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Summary of Qualifications

- Ten years of Aquaculture experience in the breeding, propagation, and management of fin fishes (Tilapia species (Get Excel, Saline, Niloticus), Ornamentals fish, Carp, Catfish, Milkfish and Indigenous fishes) in a variety of culture system.
- Nine years of technical expertise related to physical, chemical and biological monitoring with emphasis on water treatment operation system and aquaculture management.
- Performed on-site monitoring and assessment of various waterways such as lakes, dams, parks, channels, waste-water discharge and irrigation system.
- Trained on fish kill investigation response (sample collection, initial diagnosis and disease identification)
- Preparing technical reports related to fish production, environmental assessment and water quality performance for investigative reporting and output recommendation
- Proficient in office documentations, clerical works and timekeeping
- Attended numerous trainings, seminars and workshop related to fish breeding and hatchery, fish health management and aquaculture development
- Committed, flexible, and responsible professional capable of working on a team or individually.

Professional Experience

Aquaculturist

Nabatat Contracting Company

Bioremediation Water Treatment Facility

Riyadh, Saudi Arabia

September 2017- present

- Supervised and performed field water quality monitoring of Water temperature, Turbidity, Total Suspended Solids, Dissolved Oxygen, pH, Conductivity, Total Dissolved Solids and Water Transparency in established stations of the bioremediation system and wadi hanifah waterways (dams, lakes, parks, channels)
- Carry out the breeding and propagation of various fin fishes namely, *O. niloticus*, *Poecilia* sp. & Japanese koi carp in modular tank culture system.
- Conduct sampling and data recording of biological treatment components such as algae, aquatic plants, and invertebrates (ash-weight analysis & species identification).

- Setting-up and operate Glacier transportable sampler for automated composite water collection.
- Supervised and schedule routine fish collection of aggressive jewel fish and fish mortality monitoring.
- Online basic water quality monitoring and data recording using Hach sc1000 (real time continuous reading).
- Calibration of instruments and equipment.
- Performed flow measurement reading for actual volume discharge using Acoustic Doppler Velocimeter
- Conduct fish sampling (length-weight measurement) for Statistical analysis
- Handling sediment monitoring and sampling inside the system.
- Program and schedule all routine maintenance procedures and carry out any recommendations and instructions from environmental consultant.
- Preparing weekly, monthly accomplishment and status report (water quality performance, fish monitoring and harvesting) for submission and compilation.

Aquaculturist

Sadeem Agricultural Company Limited

Wadi Hanifah Restoration Project - Bioremediation Water Treatment Facility

Riyadh, Saudi Arabia

August 2013 – June 2015

- Performed basic water quality parameters including Total Suspended Solids, Turbidity, Water Temperature, Dissolved Oxygen, pH, Conductivity, Total Dissolved Solids and Water Transparency in different stations of the bioremediation system and wadi hanifah waterways (e.g. in dams, lakes, parks and channels)
- Supervised the breeding and propagation of various fin fishes such as *Oreochromis niloticus* and ornamental fishes.
- Operate the log-in programming of Composite water sampler unit for sample collection in 24 hrs monitoring period.
- Conduct fecal and total coliform bacterial analysis using plate count membrane filtration (CFU) and Colitag test (MPN)
- Performed logging and data recording using YSI 6600 Sonde for on- site continuous monitoring of basic water parameters.
- Supervised the daily collection of aggressive jewel fish using modified fish trap.
- Sampling of biofilm (biomass testing) and invertebrate monitoring.
- Monthly calibration of instruments and equipment.
- Conduct water flow measurement reading using Sontek Handheld Flow Tracker.
- Annual fish sampling for length-weight measurement and fish-tissue analysis
- Preparing daily and monthly fish and water quality monitoring report.

Technical Staff/Farm Worker II

Bureau of Fisheries and Aquatic Resources Region 5
Pili, Camarines Sur, Philippines

March 2008 –
15th August 2013

- Performed technical activities on the breeding and management of improved Get-Excel tilapia, ornamental fishes, and saline tilapia (e.g. spawning, egg collection, incubation, hatching, sorting, rearing, harvesting and feeding) in modular pond system and maintained cages net.
- **Designated Fish Health Officer:** Conduct water quality monitoring and fish kill investigation in the lakes, rivers and other freshwater bodies in the Bicol Region.
- Carry-on water quality testing of physical and chemical parameters using LaMotte Aquaculture test kit (pH, Dissolved oxygen, Alkalinity, Nitrite, Ammonia, Chloride, Carbon dioxide and Hardness).
- Assist in the preparation of project and research proposal funded by DA-BFAR.
- Performed clerical works including preparation of monthly feed consumption of fish stocks, monthly accomplishment, production report, and other office correspondence.
- Provide technical services on fish health management both in public, private and academe in the region.
- Conduct lectures and seminars for hatchery and grow-out production to fish farmers.
- Performed culture and collection of natural foods (e.g. moina, copepods, and artemia) for feeding to fish stock.
- Act as **Liaison Officer** at the Regional Office: Submit and follow-up purchase request of supplies, materials, and equipment, hand carry office correspondence and monthly target production report.

Secretary

Royal Commission Nursery and Research Center
Sadeem Agricultural Company Limited
Jubail Industrial City, Jubail, Saudi Arabia

July 2015 –
25th Nov. 2016

- Preparing weekly research newsletter and report editing as per Royal Commission standards and requirement.
- Preparing project's daily/weekly/monthly production report downloadable to Royal Commission website information system.
- Maintaining and updating production data from source documents to computer database, files and forms.
- Supervised the daily monitoring of entrance garden maintenance and outdoor plants landscaping.
- Updating the KPI's (Key Points Indicator) for project's monthly planning status rate & achievements.
- Act as a **Timekeeper** for compiling time records of employees, timesheets, overtime, leave request and work charts of employees.

Trainings & Seminars

- **Attendee**, BFAR-PCIC National Conference on Fisheries Insurance, May 30-31, 2013, Crown Regency Hotel & Towers, Cebu City, Philippines
- **Attendee**, Basic PCO (Pollution Control Officer) Seminar on Environmental Policies, Procedures, Requirements and Management of Waste Chemicals, May 09-10, 2013, Alvi'sAlbay Café' Co., Sagpon, Daraga, Albay, Philippines
- **Trainee**, Trainers' Development Course, February 12-15, 2013, Bureau of Fisheries and Aquatic Resources Region 5- Regional Freshwater Fisheries Center, Bula, Camarines Sur, Philippines
- **Trainee**, Training on Current Inland Freshwater Species Technology-1stBatch, For the LGU Fisheries Coordinators, Technicians and Private Cooperators/Fisherfolks, September 10 -14, 2012, Bureau of Fisheries and Aquatic Resources – National Freshwater Fisheries Technology Center (NFFTC), CLSU Compound, Science City of Munoz, Nueva Ecija, Philippines
- **Attendee**, SEAFDEC International Workshop on Fish Health Management: Accelerating Awareness and Capacity-Building in Southeast Asia, March 01- 02, 2012, Sarabia Manor Hotel and Convention Center, Iloilo City, Philippines
- **Trainee**, Back-to-Back Training Workshop of the Fish Health Network on Seaweed Taxonomical Identification of the Philippine Eucheumatoids and Good Aquaculture Practices (GAqP), June 03-09, 2012, BFAR-Regional Fisheries Training Center, Puerto Princesa, Palawan, Philippines
- **Attendee**, 8th Philippine Shrimp Congress, May 9-11, 2012, La Planta Hotel, Bacolod City, Philippines
- **Trainee**, Training on Establishment of Small-scale Giant Freshwater Prawn Hatchery, March 28-30, 2012, BFAR-Regional Fisheries Training Center, Tabaco City, Philippines
- **Trainee**, Fish Health Management and Quality Assurance for Fish Health Network, August 22- 28, 2011, Development Academy of the Philippines, Tagaytay City, Philippines
- **Trainer**, Training Course on Ornamental Fish Breeding and Culture, 2011, BFAR-BFDFFN, Buhi, Camarines Sur, Philippines
- **Attendee**, 4th Quarter Bicol Fisheries RDE Network (BIFIRDEN) Business Meeting and Workshop, 2010, BFAR-BIFIRDEN, Bula, Camarines Sur and Mercedez, Camarines Norte, Philippines
- **Trainee**, 2nd Training on Technology Updates of Improved EXCEL, Improved BEST and Cold Tolerant Tilapia for the Fisheries Technician of Luzon, Visayas and Mindanao Region, 2009, BFAR-National Freshwater Fisheries Technology Center, CLSU, Munoz, Nueva Ecija, Philippines
- **Trainer**, Training on Culture, Management and Production of Tilapia in Backyard Fishpond, 2009, BFAR-Buhi Freshwater Demonstration Fish Farm and Nursery, Buhi, Camarines Sur, Philippines

- **Trainee**, Orientation and Hand-on Training on Product Development/Improvement of Seaweeds and Commercialization, 2008, BFAR-Regional Fisheries Research and Development Center, Sorsogon City, Philippines
- **Trainee**, Training on Hito (Catfish) Culture and Hatchery Management, 2008, BFAR-Regional Fisheries Training Center, Tabaco City, Philippines
- **Attendee**, Provincial FARMC (Fisheries and Aquatic Resources Management Council) Fisherfolk Leader's Assembly, 2008, BFAR-SDFFN, Sorsogon City, Philippines
- **On-the-Job-Trainee**, BFAR-Regional Freshwater Fisheries Center, April 19-May 25, 2005, Fabrica Bula, Camarines Sur, Philippines
- **Trainee**, Adopter's Training on Hatchery-Nursery Operation of Get-Excel Tilapia (BFAR Strain 2002), 2005, BFAR-RFFC, Bula, Camarines Sur, Philippines

Education

MS in Resource Management major in Environmental Management, 2010-2011
Central Bicol State University of Agriculture, Philippines

BS in Fisheries major in Aquaculture, 2003- 2007
Bicol University Tabaco Campus, Philippines

Diploma in Fishery Technology, 2003-2006
Bicol University Tabaco Campus, Philippines