



Curriculum Vitae: Harry Ridgway, PhD

[AquaMem Scientific Consultants](#), PO Box 251, Rodeo, NM | Phone: 575-557-7777
Email: ridgway@vtc.net | Country of Birth: USA | Citizenship: USA | [LinkedIn Profile](#)

BIOINFORMATICS & DRUG DESIGN | COMPUTATIONAL CHEMISTRY | BIOFILM SCIENCE | WATER REUSE

Employment: *References upon request*

2013 – Present: **Adjunct Professor**, [Institute for Sustainable Industries and Liveable Cities](#), **Victoria University**, Melbourne, Australia

2003 – Present: **Owner/founder** of [AquaMem Scientific Consultants](#), Rodeo, New Mexico, USA
Visiting Academic | Entrepreneur | R&D Contractor

2019: New Startup Company: AntiVenX, LLC
Targeted Drug-Based Therapeutics for Venoms and Toxins

1981 – 2002: **Research Director**, [Orange County Water District](#), Fountain Valley, California



Summary of Duties:

- Mentoring doctoral students
- Develop faculty collaborations
- Grant proposals; preparing publications

Develop and Manage R&D Projects in...

- Biofilm science and biofilm control
 - Molecular modeling of soft matter systems
 - Bioinformatics | Drug discovery and design
 - Marine/estuarine contaminant fate modeling
 - Grants/project proposals & publications
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- R&D Director: Emerging water technologies
 - Set strategic R&D vision and mission priorities
 - Develop and manage multiple R&D projects
 - Hire and train technical staff (BSc, MS, PhD)
 - Write competitive grants and secure funding
 - Establish lab safety guidelines & protocols
 - State & Federal licensure for radionuclides
 - Direct report to General Manager and Board
 - Write publications and attend conferences

Education:

1972 – BSc, **Microbiology/Chemistry** | San Diego State University
1976 – PhD: **Marine Microbiology** | Scripps Institute, UC San Diego
1976 – 1978: **NIH Postdoctoral Scholar** | UC San Diego
1978 – 1981: **Postdoctoral Research Scientist** | UC Irvine

My Goals: (1) Imagine and manifest science-driven solutions for global challenges in water, energy, medicine and the environment; (2) Assist my clients and collaborators to achieve excellence in their R&D endeavors.

Distinguished Awards:

2002 – 9th recipient of the [Clarke Water Prize](#) for scientific advancements in biofilm science related to improving energy efficiency in membrane separations for water reuse applications.

Publications/Presentations: More than 100 conference presentations & invited keynotes. More than 50 peer-reviewed papers... [View current sample publications list HERE.](#)

Grants & Contracts: More than US\$5million in local, state and federal grants spread over 20+ years and >25 projects. Continuing client-driven R&D collaborations. [Client List](#)