



Tom Volinchak – Curriculum Vitae

Education

1981: Youngstown State University, BS Biology

1985: Jonas Salk Institute For Biological Studies - Advances in Microbiology and Virology

Work Experience

- 1981 – 82: Community Dialysis Centers – Dialysis Technician – Patient assessment, performed complete Hemodialysis Treatments
- 1982 – 84: St. Elizabeth Hospital, Youngstown, Ohio – Technical Coordinator, Dialysis Services. Provided training for nursing and technical staff. Redesigned High Purity Water System to eliminate recurring Pseudomonas and Staphylococcus contamination
- 1984 – 86 – Clinical/Dialysis Water Applications Specialist, Peck Water Systems – Designed, Installed, and implemented high purity water systems at Carnegie Mellon University and Institute, University of Pittsburgh, also at Allegheny General, Presbyterian, Mercy, Cleveland Clinic, and numerous other Medical and Research facilities
- 1986 – 88 – High Purity Water Specialist, Kinetico Engineered Systems – Designed high purity water technology, waste minimization, and water reuse technology for industry. Recognized for designing and implementing the first US continuous Deionized water system for Honda Motors, USA, Ana, Ohio
- 1988 – 1992 – Senior Sales Engineer Arrowhead Industrial Water / US Filter. Designed high purity water technology for Aerospace, Power Generating, Automotive, Electronics, Chemical/Petrochemical and Heavy Industry. Placed significant technology with US Steel, Union Carbide, Degussa, Ohio Edison, Penn Power, American Electric Service, and Ford Motors
- 1992 – 1995 – Water-Core Engineering – Independent Consultant serving high purity Medical and R&D facilities. Provided technology, service, and consulting to Travenol, GlaxoSmithKline, NASA, DeBartolo/York Laboratories, and others
- 1995 – 1998 Culligan International/US Filter – Focused on Build/Own/Operate high purity water systems for Chemical/Petrochemical, Power Generating, and Heavy Industry.
- 1998 – 2001 Sustainable Resource Technologies – Provided consultive expertise in the drinking water, bio-medical, and nuclear power market segments. Helped entities such as the city of Youngstown, Ohio, US Steel, PPG, and others meet EPA certifications for both consumable water and discharge water
- 2002 – 2006 – Mobile Process Technology/Envirogen Technologies – Designed and implemented water purification, reuse, and waste minimization technologies. Valero, BASF, Dupont, and Lucite were representative clients



- 2006 – 2010 – Siemens Water Technologies – High Purity Group – Won contract to redesign and manage central high purity water systems at St. Jude Children’s Hospital. Placed technology into the University of Tennessee, University of Memphis, Fresenius Dialysis Centers, Baxter, Glaxo, TVA, and others
- 2010 – Present – Water Is The New Gold – Created a consulting/service/capital equipment firm offering high-purity water services, water recycling, and waste minimization/green water technology to industry and institutions. Clients include Drexel Chemicals, PMC Biogenix, Georgia Pacific, Chemtreat, Momar, and Dupont. Placed over 4,000 gpm of RO capacity in the Mid-South

Entrepreneurial Work

- 2017 – Founder Glanris, Inc. – Created a company around a new, patented technology called 901X that turns rice husk into an ultra-low cost, carbon-reducing, pollution reducing water purification media. Designed, built, and directed the creation of an R&D facility including manufacturing, analytical laboratory, and R&D operations. Successfully placed the technology into applications across the globe. Accounts include BMW, Proctor and Gamble, Modine Manufacturing, Multiple bio-reactor enhancements in the Philippines, APMM and others
- 2023 – Authored the book, Open Tap – Drink Poison. It is the authoritative reference for achieving safe drinking water
- 2021 – Present – Water Is The New Gold – Expanded company scope to focus on helping consumers to achieve safe drinking water. Primarily focused now on providing water education and direction to the public.

Scientific Work

- 1983 – Research Assistant for Professor Nicholas Sturm, YSU, studying the reclamation of the polluted Mahoning River
- 1985-89 – Captain, National Kidney Foundation, Network 22 Pure Water Initiative
- 2021 – Developed world’s first rice-husk/biochar carbon block filter for dual function removal of metals and organics
- 2022 – Awarded 4 patents for developing and regenerating rice husk biochar with sodium bicarbonate. Created the only known process for rejuvenating exhausted biochar for contaminant removal
- 2024 – Invented the VFS line of water filtration technology. These products are the only water filters that are guaranteed to produce safe drinking water as prescribed by the Safe Drinking Water Act



Speaking and Community Work

- 1985 – Keynote Speaker, American Kidney Foundation, Network 22 – The Nature of Water
- 1988 - Keynote Speaker, Careers in Water, Youngstown State University
- 2015 - Keynote Speaker, Memphis Chamber Of Commerce, Memphis Water
- 2016 – Keynote/Director, Memphis Government, Field presentation, Blue Stream Task Force
- 2023 - Keynote Speaker, Water Quality Association subgroup – Ending NSF certifications

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