



Tom Volinchak – Curriculum Vitae

- 1981 – Youngstown State University – Bachelor of Science Degree in Biology with minors in chemistry and mathematics. Team leader for the study of contamination in the Mahoning River. Member of YSU Clean Rivers Initiative to study the effect of steel mill waste discharge on the Ohio, Allegheny, and Monongahela Rivers
- 1981 – 82 - Community Dialysis Center – Dialysis Technician – Patient assessment, performed complete Hemodialysis Treatment. Pure Water Task Force
- 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 Aureus and Staphylococcus contamination.
- 1984 – Completed seminar curricula for Management of Infectious Disease at the Salk Institute for Biological Sciences at La Jolla, Ca.
- 1985 – Keynote Speaker, American Kidney Foundation, Network 22 – The Nature of Water
- 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 Hospitals.
- 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 first US 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 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, Smith Cline, BD, 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 – 2002 - Sustainable Resource Technologies – Provided consultive expertise in the drinking water, bio-medical, and nuclear power market segments. Helped companies 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, and Dupont and Lucite were some leading clients.
- 2006 – 2010 – Siemens Water Technologies – High Purity Group – Redesigned central high purity water system at St. Jude Children’s Hospital. Placed technology into University of Tennessee, University of Memphis, Fresenius Dialysis Centers, Baxter, Glaxo, TVA, and others.



- 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 (Toyota), Smith and Nephew, KW Plastics, Trimatic Springs and more.
- 2021 – Developed first rice-husk carbon block filter for metals removal. Patent Applied For
- 2021 – Awarded 2 patents for regenerating rice husk biochar with sodium bicarbonate.
- 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.
- 2023 - Authored the Book - *Open Tap - Drink Poison* - This is the first book that effectively provides tools that enable citizens to achieve safe drinking water. It provides easy to understand, textbook-infallible education on topics such as water filter technology, bottled water, contaminants and more.

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