

Richard F. Stockel

eRA COMMONS USER NAME:

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Iowa	BS	1957	Chemistry, mathematics
University of Vermont	MS	1959	Chemistry
Clemson University	PhD	1962	Natural Products Chemistry

PROFESSIONAL EXPERIENCE

2008-Present Member of BioResource Network LLC

2004-present Consultant/co inventor to Colorado Synthetics Inc.

2002-2004 Novaflux Corporation, Princeton, NJ VP of technology. Part owner. Environmentally sound wood preservatives and microbicides for prevention of sexually transmitted diseases

1989-2002 Tosoh USA Inc. Director of Technology. Licensing and/or sponsoring R&D at universities and small high technology companies.

1979-89 Atochem (M&T Chemical Division), Woodbridge, NJ. Director of Technology. New business development in organometallics, glass coatings, organosulfur compounds

1976- 79 WR Grace, NYC, NY. Corporate VP for New Technologies, for 13 chemical divisions.

1971-76 National Patent Development Corporation, New Brunswick, NJ. Manager; Director Research and Development, medical, dental, consumer, industrial applications, Staff of 50 persons

1962-71 American Cyanamid, Bound Brook, NJ. Research Chemist and Group Leader. Phosphorous, fluorine organic synthesis

AWARDS AND HONORS

Dr. Stockel has 30 publications in learned chemical journals on such subjects as biocides, medicinal agents, polymers, heterogeneous catalysis, and numerous talks and books published by the American Chemical Society Book Division on the general subject of technology and its impact on the U.S. economy. He received the 50 year membership award from the NJ chapter of the ACS this year.

Dr. Stockel has served and is still active on the Advisory Board of the College of Sciences and the External Board of Advisors for the Chemistry Department, both at Clemson University since 1990. He has been a keynote speaker for many organizations including the Small Business

Administration, Adhesive and Sealant Associations, National Inventors Association, New Jersey Patent Attorneys Association, American Chemical Society and numerous charitable and private organizations.

Dr. Stockel has been the recipient of several awards including a Distinguished Service Award from the American Chemical Society and the Small Business Administration Innovator's Award and others. He is a member of the American Chemical Society where he was the Program Chairman from 1993-1997 and Chairperson Elect in 1998. He is also a member of the Society of Plastics Engineers, Licensing Executive Society and Commercial Development Association.

PROFESSIONAL MEMBERSHIPS

American Chemical Society Distinguished Member

PATENTS

US Patent 3,920,832 "N-chloro carbamates as insecticides and fungicides," issued Nov. 18, 1975.

US Patent 3,931,165 "Tri-substituted triazines," issued Jan. 6, 1976.

US Patent 4,009,684 "Water soluble polymers useful in the preparation of novel animal litter," issued March 1, 1977.

US Patent 4,039,501 "Plasticized hydrophilic polymers," issued Aug. 2, 1977.

US Patent 4,075,007 "N-chloro-chloroacetamides as herbicides," issued Feb. 21, 1978.

US Patent 4,129,094 "Animal litter composition," issued Dec. 12, 1978.

US Patent 4,141,755 "Masonry construction member impregnated with a copolymer of hydroxyl alkyl acrylate or methacrylate with long chain alkyl acrylate or methacrylate," issued Feb. 27, 1979.

US Patent 4,309,494 "Electrochemical cell having battery separator of ethylene-vinyl alcohol copolymer," issued Jan. 5, 1982.

US Patent 4,374,743 "Method for preparing snow and ice control compositions," issued Feb. 22, 1983.

US Patent 4,469,503 "Coal ash fertilizer compositions," issued Sept. 4, 1984.

US Patent 4,499,077 "Anti-microbial compositions and associated methods for preparing the same and for the disinfecting of various objects," issued Feb. 12, 1985.

US Patent 4,506,628 "Animal litter," issued March 26, 1985.

US Patent 4,536,571 "Selenium-containing platinum compound," issued Aug. 20, 1985.

US Patent 4,615,882 "Disinfectant solution for contact lens," issued Oct. 7, 1986.

US Patent 4,617,189 "Use of selenium-containing compounds for negating the toxic effects of platinum compounds used in chemotherapy, and a novel selenium-containing platinum compound and use thereof as an anti-cancer medicine," issued Oct. 14, 1986.

US Patent 4,654,208 "Anti-microbial compositions comprising an aqueous solution of a germicidal polymeric nitrogen compound and a potentiating oxidizing agent," issued March 31, 1987.

US Patent 4,680,286 "Use of selenium-containing compounds for negating the toxic effects of gold compounds used in the treatment of rheumatoid arthritis, and a novel selenium-containing gold compound and use thereof as an anti-rheumatoid arthritis medicine," issued July 14, 1987 – WO8500747 equivalent.

US Patent 4,891,423 "Polymeric biguanides," issued Jan. 2, 1990 – WO9011315 equivalent.

US Patent 4,921,691 "Spray on wound dressing compositions," issued May 1, 1990.

US Patent 5,281,414 "Three dimensional water disinfectants," issued, Jan. 25, 1994.

US Patent 5,312,586 "Process for sterilizing a contact lens," issued May 17, 1994.

US Patent 5,366,694 "One-step contact lens sterilization process," issued Nov. 22, 1994.
US Patent 5,637,681 "Aminosaccharide biguanides," issued June 10, 1997.
US Patent 5,741,886 "End-capped polymeric biguanides," issued April 21, 1998.
"New polybiguanide compositions," – application pending.
"Polybiguanide as spermicides and anti virucides," – application pending
US patent 7,074,459 " Method for preserving wood", issued July 11, 2006
US20040234496 – "Biocidal compositions" – application pending
US20070086977 – "Method of treating dermatological conditions" – application pending
US20070053848 - Antimicrobial materials for dental care applications – application pending
"Antimicrobial compositions for the preservation of food products" – not published; patent pending
"Novel Nanoclay Compositions Useful as Effective Flame Retardants" – not published; patent pending
"Polymeric biocidal complexes" – not published; patent pending
"Sunscreen Compositions" – not published; patent pending
"Skin Benefit Agent Compositions" – not published; patent pending
"New synergistic antimicrobial agents" – not published; patent pending
"Antimicrobial agents" – not published; patent pending
"Bioactive Compositions" – not published; patent pending
"Slow Release Antimicrobial Treatment Composition for Teeth" – not published; patent pending