

Anthony Guiseppi-Elie

Education

Sc.D., Materials Sciences and Engineering, MIT, 1983
M.Sc., Chemical Engineering, UMIST, 1980
B.Sc., Applied, Analytical Bio-Chemistry, University of the West Indies, 1979

Academic experience

Clemson University - Professor (2006-present) - Full-time
Virginia Commonwealth University - Professor (1998-2006) - Full-time
Johns Hopkins University - Visiting Scientist (1995-1996) - Full-time

Non-academic experience

ABTECH Scientific, Inc. (1998-present) – Part-time
President and Scientific Director
ABTECH Scientific, Inc. (1995-1998) – Full-time
President and Scientific Director
Allage Associates Inc., Principal Consultant (1988-1995) - Full-time
Ohmicron Corp., Director of Research (1987-1988) - Full-time
Molecular Electronics Corp., Applications Specialist (1986-1987) - Full-time
W. R Grace and Co., Research Engineer (1983-1986) -Full-time

Certifications or professional registrations

N.A.

Current membership in professional organizations

Life Member, Sigma Xi, MIT Chapter (1983- present)
American Chemical Society (ACS) (1983-present)
American Association for the Advancement of Science (AAAS) (1984-present)
Member, Materials Research Society (MRS) (1984-present)
Life Member, American Institute for Chemical Engineers (AIChE) (1998-present)
Sr. Member, Institute for Electrical and Electronic Engineers (IEEE) (2004-present)
Member, Institute for Biological Engineering (IBE) (2006-2010)
Fellow, American Institute of Medical and Biological Engineering (FAIMBE) (2006-present)
Member, Biomedical Engineering Society (BMES) (2008-present)
Fellow, Royal Society of Chemistry (FRSC) (2006-present)

Honors and awards

Elected Fellow, Royal Society of Chemistry (FRSC) - 2014
The 2014 Visiting Distinguished Professor in Industrial Biosensors and Bioelectronics, L'Ecole des Mines d'Alès, France

The 2013 Kenneth E. Avis Distinguished Visiting Professor of Pharmaceutics,
University of Tennessee Health Sciences Center

Research premiered on German nation-wide Deutschlandradio program ‘Science
in Focus’ (2012) <http://www.dradio.de/dlf/sendungen/wib/1905639/>

Research featured on NPR/South Carolina (ETV Radio Network) newscast ‘Your
Day’ (2012) <http://yourday.clemson.edu/?q=node/1035>

Elected Fellow, American Institute for Medical and Biological Engineering
(FAIMBE) - 2006

SEAM Award for “Biotechnical applications of electroactive polymers” -1999

Commonwealth Scholarship Award 1979-1983

Service activities

Fulbright Specialist (2015-2018)

Chair, 2015 International Symposium on Organic Electronics and Bioelectronics
<http://www.clemson.edu/c3b/ISOEB.html>

Secretary/Treasurer, American Institute of Medical and Biological Engineering
(AIMBE) (2015-2016)

Editor-in-Chief, *Bioengineering* (2013-present)

Associate Editor, *Biomedical Microdevices* (2010-present)

Co-Chair, Industry Council, American Institute of Medical and Biological
Engineering (AIMBE) (2014-2015)

Congress Chair, MMC15-2013: 15th IUPAC International Symposium on
MacroMolecular Complexes <http://www.clemson.edu/MMC-15/index.html>

IEEE-EMBS Distinguished Lecturer – Biosensors and Bioelectronics (2012-
2013)

Visiting Professor of Nanobiotechnology, University of Western Cape, Cape
Town, South Africa (2012)

Visiting Professor of Nanobiotechnology, Moscow State University, Moscow,
Russia (2012)

Member, NSF Delegation to Russia – Bioelectronics (2010)

Editorial Board, *Applied Biochemistry and Biotechnology*, *NanoBiotechnolgy*, and
Journal of Bioactive and Compatible Polymers

Selected publications and presentations for last five years (136 papers, 3971 citations, h-index=32)

A. Nolan Wilson and **Anthony Guiseppi-Elie** “Targeting Homeostasis in
Drug Delivery Using Bioresponsive Hydrogel Microforms” *International
Journal of Pharmaceutics* (2014) 461(1-2) 214-222.

A. Guiseppi-Elie Electroconductive hydrogels: synthesis, characterization and
biomedical applications *Biomaterials* (2010) 31 (10), 2701-2716.

Professional development

Attend, participate and give five plenary or invited papers in areas of expertise.

Lead two international tutorials or workshops annually