

Omowunmi "Wunmi" Sadik

Distinguished Professor at New Jersey Institute of Technology

Newark, NJ, US

Omowunmi Sadik applies her knowledge of surface chemistry, chemical and biological sensors in healthcare, food safety and the environment.

Biography

Omowunmi Sadik seeks to develop innovative technologies for improving human health, food safety and the environment through her research into biological sensors, surface chemistry, electrochemistry and nanostructured conducting polymers. She holds five patents for her work on biosensors and nanostructured membranes and her inventions drove changes in areas such as dentistry, pain management and counterterrorism. At NJIT, she is a distinguished professor, chair of the Department of Chemistry and Environmental Science and director of the BioSmart Center. Sadik is also an expert on COVID-19 in the realm of handheld, point-of-care, disease-sensing devices She joined NJIT in 2019, after 23 years at SUNY Binghamton. She's from Nigeria.

Areas of Expertise

Nanostructured Conducting Polymers, Chemical and Biological Sensors, Surface Chemistry, Electrochemistry, Biosensors

Event Appearances

SMART Biosensors: A New Modality to Objectively Quantify Pain
NIH Director's Wednesday Afternoon Lecture Series

Education

University of Wollongong

Ph.D. Chemistry

University of Lagos

M.S. Chemistry

University of Lagos

B.S. Chemistry

Accomplishments

Sustainable Nanotechnology Award, Sustainable Nanotechnology Organization
2019

Brian O'Connell Distinguished Fellow, University of Western Cape, South Africa
2018

Jefferson Science Fellow, U.S. Department of State
2017

Nigerian National Order of Merit, President of the Federal Republic of Nigeria
2016

Sigma Xi Distinguished Lecturer, Sigma Xi
2015

American Institute for Medical and Biomedical Engineering Fellow, American Institute for Medical and Biomedical Engineering
2012

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