

About Dr. Yogi Goswami

Dr. Yogi Goswami joined the University of South Florida in 2005, where he is a distinguished university professor and the director of the Clean Energy Research Center.

From 1977 to 2005, Dr. Goswami served as a professor at both North Carolina A&T State University and the University of Florida (UF), as well as the director of Solar Energy & Energy Conversion Laboratory at UF. He obtained his Masters and PhD in mechanical engineering at Auburn University and his Bachelor of Science at the Delhi College of Engineering.

Dr. Goswami invented a novel thermodynamic cycle for solar thermal power, now known as the Goswami Cycle. He also invented a new Photo-electrochemical Oxidation (PECO) that disinfects and detoxifies indoor air. The technology is now available commercially as [Molekule](#). Other research work includes thermal energy storage, solar thermal energy, thermodynamics, heat transfer, HVAC, photovoltaics, and hydrogen and fuel cells.

Dr. Goswami was inducted into the Florida Inventors Hall of Fame in 2016, and holds multiple awards from ASME, ISES, ASES, AAES and ASHRAE. He has advised the U.S. Congress and the Indian government on energy policy and the transition to renewable energy.

As of 2017, Dr. Goswami holds 22 patents, authored and co-authored 22 books, and published more than 400 peer-reviewed articles. He is also the editor-in-chief of the journal Solar Energy and a member of several editorial boards.

Dr. Goswami co-founded [Molekule Inc.](#) in 2014 and currently serves as its chief scientist. Molekule produces an air purifier that's more effective than HEPA filters by using Dr. Goswami's own [PECO technology](#).

He has served as the president of the International Solar Energy Society and the International Association for Solar Energy Education.

He is a Fellow of ASME International and served as the ASME Governor and a Senior Vice President.

He serves as chief science and technology advisor and member of the technical advisory board at SunBorne Energy Services India Private Limited.