

## Prof. Nabarun Ghosh

Prof. Nabarun Ghosh and his team of scientists at **AFL** have improved the original **NASA** Developed PCO Technology.

"We have created a further advanced form of PCO called Advanced Hydrated Photocatalytic Oxidation (AHPCO®). AHPCO® involves the use of a special hydrating gel with a five metal nano catalyst.

The **AFL** nano five metal catalyst is scientifically engineered to be more reactive than titanium dioxide (TiO<sub>2</sub>) alone and is by far superior to any other PCO catalyst producing unparalleled results compared to any other machine on the market today."



Dr. Nabarun Ghosh obtained two Ph.D. Degrees, one from the University of Calcutta, India and the other one is from The University of North Texas Denton. He had his Post-Doctoral experience at the Baylor College of Medicine, Houston. He is in research for last 21 years. During his Post-Doctoral research he performed ultra-structural studies of parasympathetic innervations of the heart of 3 deficient knockout mice using in situ hybridization, immunocytochemical labeling with Transmission Electron Microscopy. He taught at the University of North Texas (1992-98), Richland College, Dallas, South Texas Com. College, McAllen. Presently he is serving as the Associate Professor of Biology at the West Texas A&M University, Canyon. Dr. Ghosh's area of research is rather vast, Aerobiology and Air Quality, Cytology, Electron Microscopy, Tissue Culture, Plant Pathology, Virology, and Water Quality. He established a molecular core at the Killgore Research Center at the Killgore Research Center of the university. He has collaboration with Penn State, Cornell University, Texas Tech, Lubbock and UNT, Denton. He has published 60 or more research articles in reputed scientific journals. He served as the President for the Texas Society for Microscopy (2008-2009). He is a member of the American Academy of Allergy, Asthma and Immunology (AAAAI) and 10 other societies. He presented his research nationally and internationally.

Prof. Ghosh has conducted Post-Doctoral research at the Baylor College of Medicine. He presently serves as an Associate Professor of Biology at West Texas A&M University. Ghosh's area of research is rather vast: Aerobiology/Air Quality, Cytology, Tissue Culture, Plant Pathology, Virology, and Water Quality. He established a molecular core at the Killgore Research Center and has collaboration with Penn State, Cornell University, Texas Tech and UNT. He also served as the President of the Texas Society for Microscopy.

Dr. Ghosh has been working with Dr. Jeff Bennert Ph.D., on various aspects of assessments of the air purifiers in terms of reduction and eradication of aeroallergen like mold, bacteria, odor, dust, VOCs and allergic rhinitis using air purifiers and published more than 10 articles jointly with Dr. Bennert. Dr. Ghosh's Laboratory works on the daily aeroallergen index of the Texas Panhandle area and posts that for the Channel 4 and 7 TV news every day.