



Akhlesh Lakhtakia was born in Lucknow, India, on July 1, 1957. He received the Bachelor of Technology degree in electronics engineering from the Banaras Hindu University, Varanasi, India, in 1979, the M.Sc. and Doctor of Philosophy degrees in electrical engineering from the University of Utah, Salt Lake City, in 1981 and 1983, respectively, and the Doctor of Science degree in electronics engineering from the Banaras Hindu University in 2006.

Thereafter, he joined the faculty of the Pennsylvania State University, University Park, where he was elevated to the rank of Distinguished Professor of Engineering Science and Mechanics in January 2004. In 2006, he became the Charles Godfrey Binder (Endowed) Professor of Engineering Science and Mechanics. He also serves as a Professor in the Graduate Programs in Materials and Forensic Science. From 2004 to 2007, he also held the rank of a Visiting Professor of Physics at Imperial College, London. He has published more than 690 journal articles, has contributed 19 chapters to research books and encyclopedias, has edited, coedited, authored or coauthored 16 books and 10 conference proceedings, and has reviewed for 113 journals.

He serves on the editorial boards of four electromagnetics journals, was the Editor-in-Chief of the international journal *Speculations in Science and Technology* from 1993 to 1995, and became the first Editor-in-Chief of the online *Journal of Nanophotonics* published by SPIE since 2007. He served as an International Lecturer for the International Commission for Optics and the Optical Society of America, was twice a Visiting Professor of Physics at the Universidad de Buenos Aires, a Visiting Professor of Physics at the University of Otago, and a Visiting Fellow in Mathematics at the University of Glasgow. He also served as the 1995 Scottish Amicable Visiting Lecturer at the University of Glasgow.

His current research interests lie in the electromagnetics of complex materials, sculptured thin films, chiral nanotubes, nanoengineered metamaterials, biomimetics, and surface multiplasmonics. At Pennsylvania State University, he co-developed a course on green engineering for undergraduate engineering students, as well as a course on fundamentals of engineering principles and design for preservice elementary schoolteachers.

Dr. Lakhtakia headed the IEEE EMC Technical Committee on Nonsinusoidal Fields from 1992 to 1994, is a Fellow of the Optical Society of America, SPIE, the American Association for the Advancement of Sciences, and the Institute of Physics (U.K.). He received the PSES Outstanding Research Award in 1996, the PSES Premier Research Award in 2008, and the PSES Outstanding Advising Award in 2005. For his research on sculptured thin films and complex-medium electromagnetics, he received the Faculty Scholar Medal in Engineering in 2005 from the Pennsylvania State University and the 2010 SPIE Technical Achievement Award. Nanotech Briefs recognized him in 2006 with a Nano 50 Award for Innovation. The University of Utah made him a Distinguished Alumnus in 2007.