
Ravindra K. Pandey, Ph.D.

**Founder and CSO
Photolitec, LLC**

**Distinguished Professor, PDT Center
Professor, Institute for Lasers, Photonics and Biophotonics,
State University of New York, Buffalo**

**Director, Pharmaceutical Chemistry
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After completing a Ph.D. from the University of Rajasthan, Jaipur, India in Medicinal Chemistry, Dr. Pandey worked as a postdoctoral fellow and research associate in the laboratories of Professor Kevin M. Smith (University of California, Davis, 1980-1983 and 1984-1986) and the late Professor A. H. Jackson (University College Cardiff, Wales, 1983-1984) on the chemistry and biochemistry aspects of porphyrin-based compounds. He joined Oncologic Foundation of Buffalo in 1986 and was involved in a photodynamic therapy project related to Photofrin® research funded by Johnson & Johnson. In 1990 he left the Foundation and joined the Photodynamic Therapy Center, Roswell Park Cancer Institute, Buffalo, where he is currently associated as Distinguished Professor and Director of Pharmaceutical Chemistry, Department of Cell Stress Biology. He also has an appointment as Professor with the Institute of Lasers, Photonics and Biophotonics, SUNY at Buffalo.

Dr. Pandey manages research teams that include chemists, physicists, biologists and clinicians. Recent research has been focused on developing compounds (imaging agents, photosensitizers, nanoparticles and dendrimer clusters) for tumor imaging and/or photodynamic therapy. This research has led to the ability to identify and execute the components that are crucial for the development of photosensitizers for cancer therapy. Through participation in the collaborative efforts of interdisciplinary research teams, a number of effective anti-cancer agents have been developed, which are currently at various stages of pre-clinical and human clinical trials. Dr. Pandey's efforts have also involved tumor imaging and/or therapy (multi-modality agents) and he is currently involved in development of products for imaging modalities including MRI, PET, SPECT, Optical Imaging and therapy (Photodynamic Therapy, Chemotherapy).

Dr. Pandey is a member of the editorial boards of the Journal of Porphyrins and Phthalocyanines, Current Organic Chemistry and Current Organic Synthesis. He is a founding member of the International Society of Porphyrins and Phthalocyanines. He has organized several national and international scientific symposiums and has delivered a large number of plenary and invited lectures all over the world on PDT and tumor imaging. He has received several awards including the Inventor of the Year Award (Niagara Frontier), the Rajiv Gandhi Award of Excellence, and "Who's Who in Science." He has been a reviewer of research grants for various federal agencies (US, UK, Canada, Singapore, France) and private foundations. He has 30 patents to his credit and published over 200 research papers in various reputed international journals, as well as several review articles and book chapters. His research is well funded by national funding agencies and private organizations.

Dr. Pandey is also the founder of Photolitec, LLC, a biotech company. The goal of this organization is to develop cancer imaging and therapeutic agents and also to start clinical trials in developing countries.