



22nd International Conference on
Diffusion in Solids and Liquids
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SHORT BIO:

Paras N. Prasad currently holds the unique multidisciplinary position of SUNY Distinguished Professor of Chemistry, Physics, Electrical Engineering, and Medicine (four departments spanning three schools). He is the Samuel P. Capen Chair of Chemistry and the Executive Director of the multidisciplinary Institute for Lasers, Photonics and Biophotonics, which he founded in 1999. His pioneering contributions in interdisciplinary research at the interface of photonics, nanotechnology, and biomedicine have broadly impacted healthcare, energy, and optical technologies. Scientific American named him among the world's top 50 science and technology leaders. He has authored 900 scientific papers; four field-defining monographs, widely used in teaching worldwide, in nonlinear optics, biophotonics, nanophotonics, and nanomedicine; eight edited books; and numerous patents. He introduced and advanced new frontiers of organic nonlinear optics, multiphoton physics, nanophotonics, biophotonics and nanomedicine. His Google Scholar h-Index is 144, with ~90,000 citations. His many awards for research excellence include 2021 IEEE Photonics Society William Streifer Scientific Achievement Award; IEEE Pioneer Award in Nanotechnology; the American Chemical Society Peter Debye Award, the Morley Medal and the Schoellkopf Medal; SPIE's highest honor of Gold medal; Optical Society Michael Feld Biophotonics award; Western New York Health Care Industries Technology/Discovery Award; SUNY Excellence in the Pursuit of Knowledge award; UB's first Innovation Impact award; UB President's Medal; Guggenheim Fellowship; Sloan Fellowship. He is an elected foreign fellow of the Brazilian Academy of Sciences, the National Academy of Sciences, India, and a fellow of the National Academy of Inventors. He is a fellow of APS, Optica (OSA), SPIE, and IEEE and was listed among Thompson Reuters "Highly Cited Researchers" for 2014 & 2016. He is globally ranked in top 10 in bioengineering by AD Scientific Index 2025; in the top 25 in nonlinear optics by ScholarGPS, in the top 50 in biophotonics according to Google Scholar. He has Honorary Doctorates from KTH in Sweden, Aix-Marseille University in France, MEPhI in Russia, Federal University of Pernambuco in Brazil and Indian Institute of Technology, Jodhpur. Globally, his technologies have produced nine spin-off companies, including publicly-traded Nanobiotix, in Paris now in advanced clinical trials for cancer therapy.