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Education

PhD in Biophysical Chemistry from the Indian Institute of Technology, Kanpur, India: 1980.
Master of Science in Chemistry from the Birla Institute of Technology, Pilani, India: 1973.

Research

Dr. Kumar's current interests center on the effective use of new information technologies in medical education.

Dr. Kumar's past research focused on the biophysical chemistry of model membranes and on oxygen metabolism.

Representative Publications:

Twelve tips for technological transformation: the NYCOM experience

C. Kumar

J. Am. Osteopath. Assoc. 2001 Dec; 101(12):716-9.

Glutathione and ischemia - reperfusion injury in the perfused rat liver.

M. Okuda, H. C. Lee, B. Chance and C. Kumar.

Free Radic. Biol. Med. 1992; 12: 271 - 9.

Does the peroxide compound of Cytochrome Oxidase contain Ferryl Iron?

C. Kumar, A. Naqui, L. Powers, Y. Ching and B. Chance

J. Biol. Chem. 1988; 263: 7159 - 63.

Structural features of water - in - oil microemulsions

C. Kumar and D. Balasubramanian

J. Phys. Chem. 1980; 84: 1095 - 1099.

Teaching

Dr. Kumar has been a teacher of Biochemistry at the postgraduate level for some 20+ years.

Dr. Kumar served as the course director for the Biochemistry course at NYCOM for several years.

Dr. Kumar has been the systems director for the Fundamentals of Osteopathic Medicine course in the new curriculum since its inception in 2005.

Dr. Kumar also teaches in several other systems.

Service

Dr. Kumar has been a an active member of several academic and institutional committees at NYCOM and NYIT over the past 15 years

Some of the present committees include the Deans' Committee, the Curriculum Task Force and the Library Committee.

Personal

Dr. Kumar is married with a son in college.

Dr. Kumar enjoys engineering social change, reading, long walks and good food.