

Resume'

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At present: Professor, Department of Physics (since 1989). Adjunct Faculty, Department of Modern and Classical Languages, Adjunct Professor of Physics, Washington University in St. Louis (since 1990). Starting with Instructor at Purdue, 1972, Senior Post Doc, Assistant Professor, Associate Professor, Lecturer, Senior Lecturer, and Associate Professor at Catholic University, Leuven, Belgium, Pahlavi University, Shiraz, Iran, University of the West Indies, Kingston, Jamaica, and Parks College, Saint Louis University).

Education: Ph.D. 1972 Purdue University, Associate of Saha Institute of Nuclear Physics, Calcutta (1967). M. Sc. Physics (1966) I I T Roorkee, India.

Awards/Fellowships: German Academic Exchange Fellow; Fellow of the International Center for Theoretical Physics, Trieste, Italy, etc. Two Beaumont awards and one Summer Research award from Saint Louis University. One Summer Educator Award at Argonne National Laboratory. Visitor for 7 summers at the University of Bielefeld, Germany. Also, Visitor at Fermi Lab, Brookhaven National Lab, Jefferson Lab, Center for Theoretical Studies, Bangalore, Tata Institute of Fundamental Research, Mumbai.

Publications: Over 30 publications in wide ranging areas of physics in refereed international journals including Physical Review Letters, Physics letters, Modern Physics Letters, Physical Review D, Physical Rev. A, American Journal of Physics, Zeitschrift fur Physik C, Progress in Theoretical Physics, Journal of Optical Society of America, IEEE Solar Energy, Journal of Pure and Applied Ultrasonics, Journal of Physics B, Journal of Materials Science, Astronomy and Astrophysics, College Mathematical Journal, etc.) Also, a regular contributor of Hindi poetry and prose (including popular science topics) to Hindi literary magazines in US and in India. Two poems included in a book on Hindi Poets of America.

Present Activity: Working on problem of entanglement in the context of Dirac equation with Dr. Santhanam and Dr. Thacker. The manuscript of a text book on **Physics of Human Body** almost completed.

Teaching Contributions: I have contributed 11 courses to the Parks College and Saint Louis University catalogues, ranging from Biophysics to Hindi III. Also, I have initiated two courses, Artificial Neural Networks and Introduction to Indian Literature (in English translation). I have been teaching courses in the department of Physics,

Mathematics and Modern Languages. The course on Biophysics is cross listed with BME, and Physics of Human Body is a required course for the department of Occupational Sciences.

University Services: Have served in many committees over the years, including the College of Arts and Sciences Faculty Council, Faculty Senate, Rank and Tenure Committees of Parks College and of College of Arts and Sciences, and the University Rank and Tenure Committee.

Other Activities: Have served for many years as a representative of Hindu and Buddhist religions on the University Interfaith Committee, and Faculty Advisor to Sangam – the Indian Students Association at SLU.