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CURRICULUM VITAE
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Education

Ph.D.	Business Administration, University of California, Berkeley, 1971 Fields: Management Science, Economic Theory, Mathematics
M.S.	Industrial Engineering, Purdue University, 1966 Fields: Operations Research, Production Management, Statistics.
B.E.	Mechanical Engineering, Pune University, India, 1964

Employment

2001 –	Charles E. Morrison Professor of Decision Sciences
2006 – 2011	Co-director, MMM Program in Design and Operations
1980 – 2001	Professor of Decision Sciences
1971 – 1980	Assistant and Associate Professor of Decision Sciences
	Kellogg School of Management, Northwestern University

Membership

The Institute For Operations Research and Management Science (INFORMS)

Teaching Interests

Analytical Decision Modeling, Operations Management,
Applied Probability and Stochastic Processes, Optimal Statistical Decisions

Research Interests

Stochastic optimization models of decisions involving time and uncertainty, with applications in management science and economics.

Research Publications

"Computational Stopping," *OMEGA: The International Journal of Management Science*, Vol.1, No. 5 (October 1973), pp. 603-611.

"Optimal Delays in Decision and Control," (with S. D. Chikte*), IEEE Transactions on Automatic Control*, Vol. AC-19, No. 4 (August 1974), pp. 412-416.

"Computational Delays," *Management Science*, Vol. 21, No. 3 (November 1974), pp. 330-340.

"Dynamic Pricing with Stochastic Entry," (with S. D. Chikte), *Review of Economic Studies*, Vol. 43, No.1 (February 1976), pp. 91-97.

"A Stochastic Model of Persuasive Communication," (with V. Balachandran), *Management Science*, Vol. 22, No. 8 (April 1976), pp. 829-840.

"Storage Decisions in Information Systems," (with V. Balachandran), *AIEE Transactions*, Vol. 8, No. 3 (September 1976), pp. 358-364.

"Dynamic Investment Strategies for a Risky R and D Project," (with S. D. Chikte), *Journal of Applied Probability*, Vol.14, No. 1 (March 1977), pp. 144-152.

"Stochastic Evolution and Control of an Economic Activity," (with S. D. Chikte), *Journal of Economic Theory*, Vol. 15, No. 1 (June 1977), pp. 112-122.

"A Controlled Birth and Death Process Model of Optimal Product Pricing Under Stochastically Changing Demand," (with W. Winston), *Journal of Applied Probability*, Vol. 14, No. 2 (June 1977), pp. 328-339.

"Capacity Design and Service Quality Control in a Queuing System," (with S. Jain), *Operations Research*, Vol. 25, No. 4 (July-August 1977), pp. 651-661.

"A Zero-Sum Stochastic Game Model of Duopoly," (with W. Winston), *International Journal of Game Theory*, Vol. 7, No. 1 (1978), pp. 19-30.

"Stochastic Control of Competition Through Prices," (with W. Winston), *Operations Research*, Vol. 27, No. 3 (May-June 1979), pp. 583.594.

"Optimal Consumption and Exploration of Nonrenewable Resources Under Uncertainty," (with S. R. Pliska), *Econometrica*, Vol. 48, No. 1 (January 1980), pp. 177-200.

"A Unified Approach for Modeling and Analyzing New Product R&D Decisions," (with S. D. Chikte), *Management of Research and Innovation*, TIMS Studies in the Management Sciences, Vol. 15 (1980), pp. 163-182.

"Preventive Maintenance and Replacement Under Additive Damage," (with S. D. Chikte), *Naval Research Logistics Quarterly*, Vol. 28, No. 1 (March 1981), pp. 33-46.

"Bank Forward Lending in Alternative Funding Environments," (with S. I. Greenbaum and G. Kanatas), *Journal of Finance*, Vol. 37, No. 4 (September 1982), pp. 925-940

"Capital Accumulation and Deposit Pricing in Mutual Financial Institutions," (with S. I. Greenbaum and A. Thakor), *Journal of Financial and Quantitative Analysis*, Vol. 17, No. 4 (December 1982), pp. 705-725.

"Interest Rate Uncertainty and the Financial Intermediary's Choice of Exposure," (with S. I. Greenbaum and G. Kanatas), *Journal of Finance*, Vol. 38, No. 1 (March 1983), pp. 141-147.

"Lending Policies of Financial Intermediaries Facing Credit and Funding Risks," (with S. I. Greenbaum and G. Kanatas), *Journal of Finance*, Vol. 38, No. 3 (June 1983), pp. 873-886.

"Optimal Consumption of a Nonrenewable Resource with Stochastic Discoveries and a Random Environment," (with S. R. Pliska), *Review of Economic Studies*, Vol. 50 (October 1983), pp. 543-554.

"A Martingale Characterization of the Price of a Nonrenewable Resource with Decisions Involving Uncertainty," (with S. R. Pliska), *Journal of Economic Theory*, Vol. 35 (April 1985), pp. 322-342.

"The Role of External Search in Bilateral Bargaining," (with S. D. Chikte), *Operations Research*, Vol. 35, No. 2 (March-April 1987), pp. 198-205.

"To be the First or To be the Best: Innovation Competition", Working Paper (with S. D. Chikte).

Text Books

Managing Business Process Flows: Principles of Operations Management (with R. Anupindi, S. Chopra, J. Van Mieghem, and E. Zemel), third edition, Prentice Hall 2012.

Analytical Business Concepts and Decisions in Excel (in progress)