

Jaya Singhal, Ph.D.

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Education

Ph.D., University of Arizona, 1982.

Major: Business Administration

M.S., Marathwada University, 1974.

Major: Physics

B.S., Marathwada University, 1972.

Major: Physics

Professional Positions

Academic - Faculty

Professor of Decision Science, Merrick School of Business, University of Baltimore. (1993 - Present).

Associate Professor, Merrick School of Business, University of Baltimore. (1989 - 1993).

Assistant Professor, Merrick School of Business, University of Baltimore. (1983 - 1989).

Academic - Administrative/Other

Coordinator of the Management Science Area, Merrick School of Business, University of Baltimore. (1997).

Research Fellow, Marathwada University. (1974 - 1975).

Awards and Honors

The Frank Baker Chair in Business. (2011).

RESEARCH

Intellectual Contributions

Book Chapters

Singhal, J., Fortuin, L., Beek, P., & Wassenhove, L. v. (2013). Industrial Contributions. *Springer*. (Third Edition), 751-755.

Singhal, J., Fortuin, L., Van Beek, P., & Wassenhove, L. V. (2001). Industrial Applications. *Kluwer*. (2nd Ed.), 385-391.

Singhal, J., Bitran, G., & Dasu, S. (2001). Production Management. *Kluwer*. (2nd Ed.), 639-647.

Refereed Journal Articles

Singhal, K., & Singhal, J. (2012). Imperatives of the Science of Operations and Supply-Chain Management. *Journal of Operations Management*. 30(3), 237 to 244.

Singhal, K., & Singhal, J. (2012). Opportunities for Developing the Science of Operations and Supply-Chain Management. *Journal of Operations Management*. 30(3), 245-252.

Singhal, J., & Singhal, K. (2009). On the Noniterative Multiproduct Multiperiod Production Planning Method. *Operations Research Letters*. 37(1), 65-66.

Singhal, J., & Singhal, K. (2008). A Noniterative Algorithm for the Linear-Quadratic Profit-Maximization Model for Smoothing Multiproduct Production. *INFORMS Journal on Computing*. 20(2), 169-178.

Singhal, J., & Singhal, K. (2007). Holt, Modigliani, Muth, and Simon's Work and Its Role in Renaissance and Evolution of Operations. *Journal of Operations Management*. 25(2), 300-309.

Singhal, J., Singhal, K., & Starr, M. K. (2007). The Domain of Production and Operations Management and the Role of Elwood Buffa in Its Delineation. *Journal of Operations Management*. 25(2), 310-327.

Singhal, J., Buhman, C., & Kekre, S. (2005). Interdisciplinary and Interorganizational Research: Establishing the Science of Enterprise Networks. *Production and Operations Management*. 14(4), 493-513.

Singhal, J., & Singhal, K. (2002). Supply Chains and Compatibility among Components in Product Design. *Journal of Operations Management*. 20. 289-302.

Conference Proceedings

Singhal, J., & Singhal, K. (2004). Theory and Computational Algorithm for Solving A Multiproduct Aggregate Planning Problem, and A Framework for Obtaining Managerial Insights. *Proceedings of the 35th Annual National Meeting, Decision Science Institute.* (1351-1356).

Non-Refereed Journal Articles

Roth, A., Gray, A., Singhal, J., & Singhal, K. (1997). International Technology and Operations Management: Resource Toolkit for Research and Teaching. *Production and Operations Management.* 6(2), 167-187.

Singhal, J., & Singhal, K. (1996). The number of feasible designs in a compatibility matrix. *European Journal of Operational Research.* 94(1), 186-193.

Singhal, J., & Singhal, K. (1996). Alternate approaches to solving the Holt et al. model and to performing sensitivity analysis. *European Journal of Operational Research.* 91(1), 89-98.

Singhal, J., Singhal, K., & Weeks, J. (1988). Long range process planning and compatibility among operations. *Management Science.* 34(5), 619-632.

Singhal, K., & Singhal, J. (1986). A solution to Holt et al. model for aggregate production planning. *OMEGA: The International Journal of Management Science.* 14(6).

Presentations

Singhal, J., Gupta, S. K., Singhal, K., & Starr, M. K. "Elwood Buffa's Pioneering Contributions to the Evolution of Production and Operations Management," The Institute for Operations Research and Management Sciences, Pittsburgh. (2006).

Singhal, J., Starr, M. K., & Singhal, K. "The Evolution of Production and Operations Management: The Role of Elwood Buffa in Delineation of its Domain," The Production and Operations Management Society, Boston. (2006).

Research in Progress

"DNA of Big Data and Business Analytics" (On-Going)

"Identification of feasible sets of project portfolios from pair of mutually exclusive projects" (On-Going)

"Implied Cost of Customers' Waiting Time" (On-Going)

"Optimization of M/M/s Queues" (On-Going)

"The impact of the Holt, Modigliani, Muth, and Simon model on production and employment smoothing" (On-Going)

SERVICE

Department Service

Professor Emeritus for Dr. Arsham. (2013).

Departmental Recruiting in OPRE. (2012).

Committee Member, Departmental Recruiting Committee. (January 2011 - June 2011).

Was assigned to do the work, Journal rankings in Decision Sciences and Statistics. (January 2010 - December 2010).

College Service

Committee Member, Faculty Development Committee. (2013).

Committee Member, MBA Redesign Team. (2013).

Committee Member, Summer Reach Awards. (2013).

Committee Member, Faculty Development Committee. (2011 - 2012).

Committee Member, Undergraduate Programs Committee. (August 2010 - June 2011).

Committee Member, Teaching and Service Committee. (August 2009 - June 2010).

Committee Member, Undergraduate Programs Committee. (August 2008 - June 2009).

Committee Member, Undergraduate Programs Committee. (August 2007 - July 2008).

Committee Member, Undergraduate Curriculum Committee. (2005 - 2007).

Committee Member, Undergraduate Curriculum Committee. (2003 - 2004).

Committee Member, Division Curriculum Committee. (2001 - 2003).

Committee Member, Students' Issues Committee. (2001 - 2003).

Committee Member, Personnel Committee. (2000 - 2003).

Committee Chair, Personnel Committee. (August 2000 - October 2001).

University Service

Committee Member, CLA-MSB Ethics Committee. (2004 - 2005).

Professional Service

Program Coordinator, POM Journal Website Committee. (January 2007 - Present).

Executive Editor, POM Journal (Production and Operations Management). (1996 - Present).

Program Coordinator, Standing Committee on Electronic Version of the POM Journal. (2006 - 2010).

Committee Member, Website and Publicity Committee for Production and Operations Management. (2002 - 2006).

Co-Founder and Co-Editor-in-Chief, POMS Series in Technology and Operations Management - Teaching Supply Chain Management (2nd Vol.). (2000).