


FACULTY DETAILS PAGE ON WEB-SITE  
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2013-2014

Name	DR.(Smt.) BINDU VAISH	Photograph
Designation	Associate Professor	
Department	Mathematics	
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Education

Subject	Institution	Year	Details
Ph.D.	C.C.S.University, Meerut	2006	Title : "Some Inventory Models with Variable Demand Rate, Shortages and Deterioration"
M.Phil.	Institute of Advance Studies, Meerut University, Meerut (U.P.)	1982	Title : "Bitopological Spaces"
M.Sc.	Meerut University, Meerut	1979	Mathematics

Career Profile

Organization/Institution	Designation	Duration	Role
D.N.College, Meerut (U.P.)	Associate Prof.	15-12-1999 to till date	Teaching &Research
Research Interests / Specialization: Operational Research.			

Teaching Experience (Subject / Courses Taught)			
B.Sc. Classes	All subjects	since 15 -12-1999 to till date	
M.Sc. Classes	Functional Analysis, Topology, Metric Spaces and Fuzzy Sets and Applications	since 15-12-1999 to till date	
Research Supervision	Awarded	Submitted	Working
Ph.D.	Three	One	Three
Projects (M.Sc. and M. Phil)		Six	

### **Publications In Indexed / Peer Reviewed Journals**

Year of Publication	Title	Journal	Co-Author
2003	A Deteriorating Inventory Model with Exponential Demand Pattern.	Acta Ciencia Indica, Vol. XXIX M (4), 831-835. ISSN 0253-732X	Vinod Kumar Agarwal and Hari Kishan
2005	An Inventory Model for Deteriorating Items with Exponential Demand Pattern and Variable Rate of Deterioration	Acta Ciencia Indica, Vol. XXXI M, (2), 601- 605. ISSN 0970-0455	Hari Kishan and V.K.Agarwal
2008	Optimal ordering Policy for deteriorating Items with stock dependent demand and Partial Backlogging.	International Review of Pure and Applied Mathematics, vol.4, 13-20. ISSN:0973-1350	Sudesh Kumar Garg
2009	Two Warehouse Partial Backlogging Inventory Model for deteriorating Items with Exponential Demand.	The Global Journal of Applied Mathematics and Mathematical Sciences, vol.2, 41-51. ISSN :0972-9836	Sudesh Kumar Garg
2010	Optimal Inventory Policy for Perishable Items under the Effect of Inflation and Partial Backlogging.	International Transactions in Applied Sciences, vol 2.(2), 245-260. ISSN 0974-7273, 0975-3761	Garima Garg and Neeti Agarwal.
2010	Ordering Policy of an Inventory Model for Perishable Items with Linear Trend Stock Dependent Demand and Partial Backlogging.	International Transactions in Applied Sciences, vol2.(1), 165-179. ISSN 0974-7273, 0975-3761	Sudesh Kumar Garg

2010	Optimal Outsourcing Policy for a Suuply Chain Model with a finite Replenishment rate, price dependent demand and Incremental holding cost under inflation.	Acta Ciencia Indica, Vol. XXXVIM (4), 461-474. ISSN 0970-0455	Sweta Atreya and Hari Kishan.
2010	An EOQ Model with Pareto Distribution for Deterioration, Trapezoidal Type Demand and Backlogging Under Trade Credit Policy	The IUP Journal of Computational Mathematics, Vol. III, No. 4, pp. 30-53, ISSN 0974-6544	Narayan Singh and S.R.Singh
2011	Optimal Lot Size Model for Deteriorating Items with Partial Backlogging when Demand is stimulated by Inventory above a Certain Stock Level.	Acta Ciencia Indica, Vol. XXXVIIM (4) , 883-896. ISSN 0970-0455	Garima Garg and Neeti Agarwal.
2011	Optimal Ordering and Transfer Policy for an Inventory System with Time Dependent Holding Cost and Three Component Demand Rate.	Journal of Mathematics Research, vol. 3(2), 212-223. ISSN1916-9795,1916-9809	Garima Garg
2011	Optimal Price Discount Policy for Non-instantaneous Deteriorating Items with Stock-dependent and Time Decreasing Demand.	Journal of Mathematics Research, vol.3 (3),119-128. ISSN 1916-9795,1916-9809	Garima Garg
2012	An economic production lot-size (EPLS) model with rework and flexibility under allowable shortages.	International Journal of Procurement Management.Vol.5(1),104-122. ISSN 1753-8432	Narayan Singh, S.R. Singh
2012	Production Lot Size Model for Non-Instantaneous Deterioration with Price Discounting and Variable Demand Rate.	International Transactions in Mathematical sciences and Computers, vol.5(1), 193-206. ISSN 0974-5068 0975-3753	Deepshikha Agarwal
2012	An Economic Production Lot Size Model with Price Discounting for Non-Instantaneous Deteriorating Items with Ramp-Type Production and Demand Rates.	Int.J.Contemp.Math.Sciences, Vol. 7, no. 11, 531 – 554. ISSN 1312-7586	Garima Garg and Shalini Gupta.

2013	An Economic Production Quantity Model with Stock and Time Dependent Demand with Price and Quantity Incentives.	International Transactions in Applied Sciences, 5(1), 21-34. ISSN 0974-7273,0975-3761	Deepshikha Agarwal
2013	Production Lot Size Model with Variable Demand Rate and Rework of Imperfect Production.	International Transactions in Applied Sciences, 5 (1) 53-73. ISSN 0974-7273, 0975-3761	Deepshikha Agarwal

### Conference Publication

Research Paper entitled “An Order Level Inventory Model with Stock Dependent Demand and Partial Backlogging” published in Proceeding of National Seminar on Mathematics and Computer Science (UGC Sponsored) , Nov. 29-30, 2005.

### Seminar / Conferences attended

1. Participated in “All India Symposium on Mathematics in to the 21<sup>st</sup> Century”, organized by Department of Mathematics, C. C. S. University, Meerut (U.P.) on March 26-27, 2000.
2. Participated in 58<sup>th</sup> Four –week Orientation Programme , organized by UGC Academic Staff College, Jamia Millia Islamia, New Delhi, from 31<sup>rd</sup> April to 1<sup>st</sup> May,2002.
3. Participated in UGC Sponsored Refresher Course of 3-weeks from Nov. 24, 2003 to Dec.14, 2003 organized by Department of Mathematics, C. C. S. University, Meerut (U.P.).
4. Participated in UGC Sponsored National Seminar on “Role of Mathematics on the Forthcoming Developments in Computer Science”, organized by Department of Mathematics and Computer Science, S.D. (P.G.) College, Muzaffarnagar, (U.P.)
5. Participated in CONIAPS-VIII-2005 organized by C. C. S. University, Meerut (U.P.) on Dec.29-31,2005.
6. Participated in Refresher Course of 3-weeks from Dec.14, 2007 to Jan.5, 2008 at CPDHE, University of Delhi.
7. Participated in Refresher Course of 3-weeks from Sept.10, 2008 to Sept.30, 2008 at CPDHE, University of Delhi.
8. Participated in the National Conference on “Recent Trends in the Advancement of Astronomy and Applied Mathematics” organized by Department of Mathematics, SGRR (PG) College, Dehradun on Nov.14-15 , 2009.
9. Participated in the National Seminar on “Emerging Issues in Supply Chain Management With Special Reference to IT” organized by Institute of Professional Excellence & Management, Ghaziabad on March 13,2010.
10. Participated in the Annual Conference of Vijnana Parishad of India and The Global society of Mathematical and Allied Sciences organized by Shobhit University, Meerut on March 24-26,2011

### Conference Presentation -

Research Paper entitled “Inventory Systems with non linear holding cost, Stock Dependent Demand and Linear Deterioration” presented in the National Conference on “Recent Trends in the Advancement of Astronomy and Applied Mathematics” organized by Department of Mathematics, SGRR (PG) College, Dehradun on Nov.14-15 ,2009.

### Public Service / University Service / Consulting Activity

#### Projects (Major / Minor Grants / Collaborations)

Minor Research Project entitled “Some Inventory Models with Variable Demand Rate, Shortages and Deterioration” granted by UGC (2002-2006)

### Other Details