

**Dr. MAMTA KANSAL**

**Ph.D., M.Phil.**

**Associate Professor & Head**

**Department of Mathematics**

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**EDUCATIONAL QUALIFICATION:**

<b>Sr. No</b>	<b>Qualification</b>	<b>University/ Board</b>	<b>%ge</b>	<b>Year of Passing</b>
1.	Ph. D*.	GURU KASHI UNIVERSITY TALWANDI SABO	-----	Dec 2023
2.	M.Phil. (Mathematics)	MADURAI KAMRAJ UNIVERSITY , TAMILNADU	53%	2007
3.	B.Ed.	PUNJAB UNIVERSITY CHANDIGARH	73.1%	2000
4.	M.Sc. (Mathematics)	PUNJABI UNIVERSITY PATIALA	62.25%	1998
5.	B.A	PUNJAB SCHOOL EDUCATION BOARD	60%	1996
6.	+2	PUNJAB SCHOOL EDUCATION BOARD	64%	1992
7.	10 <sup>th</sup>	PUNJAB SCHOOL EDUCATION BOARD	73.5%	1990

**\*Area of Specialization: MATHEMATICAL MODELLING**

**\*Title of Ph. D. Thesis: "MATHEMATICAL MODELLING OF AN INVENTORY TRANSPORTATION SYSTEM : TO OPTIMIZE THE COST OF INVENTORY AND FUZZY ENVIRONMENT IMPACT UNDER TWO WAREHOUSE STORAGE SYSTEM".**

# RESEARCH PUBLICATIONS IN JOURNALS: 09

Sr No.	AUTHOR/S	TITLE/ YEAR	JOURNAL I.F. (Thomson Reuter)	ISSN No./ VOL/ PAGE NO.	SCI/ SCOPUS/ UGC CARE/ PEER REVIEWED
1	<b>Mamta Kansal</b> , Amit Tuteja, Vinod Kumar	A single vendor-buyer integrated two-warehouse green fuzzy inventory model for deteriorating item to achieve environmental sustainability. (2022)	Design Engineering (Toronto) IF (2020)1.409	ISSN: 0011-9342 Issue 1, Pg No. 4042-4068,	Scopus
2	<b>Mamta Kansal</b> , Amit Tuteja, Vinod Kumar, Jitendra Chaudhary	Modeling of an Inventory System of Supply Chain under Fuzzy system. (2023)	METSZET	Issue-4, Vol.-8 ISSN:2061-2710 Pg-71-85	Scopus
3	<b>Mamta Kansal</b> , Amit Tuteja, Vinod Kumar	Two warehouse fuzzy inventory model with price and advertisement sensitive demand rate for achieving sustainable environment. (2022)	Advanced Engineering Science (Toronto), IF-0.66	Volume 54, Issue 02, ISSN 2096-3246 Pg-5451-5477	Y Scopus
4	<b>Mamta Kansal</b> , Amit Tuteja, Vinod Kumar	Environmentally sustainable fuzzy inventory model for deteriorating items for two ware house system under inflation and back order. (2022)	Mathematical Statistician and Engineering Applications IF-0.01	Vol-71, No 4 Pg-6802-6818 ISSN: 2094-0343 2326-9865	Scopus
5	<b>Mamta Kansal</b>	A Survey on Fourier Transform and Its Application in the area of Mobile Phones. (2018)	IJFRCSE	Vol : 4 Issue: 4 , P-887-890.	Peer reviewed UGC List(2018)
6	<b>Mamta Kansal</b>	An Introduction to Fourier Transforms Analysis with Applications and Operations. (2018)	IJRAR	Vol 5, Issue-2 P-1291-1294	Peer reviewed UGC List(2018)
7	<b>Mamta Kansal</b>	A Review of Research Papers on Fourier Transforms & statistical Fourier Analysis. (2018)	JETIR	Vol.5 Issue -7 P-1395-1398.	Peer reviewed UGC List(2018)

8	Ms.Mamta Kansal, Karanvir Singh, Sandeep kansal	A Review Paper on the Applications of Numerical Analysis in Science & Engineering” (2018)	IJRAR	Vol 5, Issue-4, P 760-765	Peer reviewed UGC List(2018)
9	Supriya Rani, Sandeep Kansal, Amit Singla, Mamta Kansal, Rohit Mehra,	Computation of Radiological Risk Assessment related to Uranium Concentration in water Samples Using LED Fluorimeter. (2019)	IJRAR	Volume 6, Issue1, P-154-162	

#### PAPER PRESENTED IN CONFERENCES : 06

Sr. No	Paper Title/ Authors Name	Name of Conference Date and Location	National/ International
1.	Modelling of an Inventory System of Supply Chain under Fuzzy Environment. <b>Mamta Kansal</b> , Amit Tuteja, Vinod Kumar, Jitendra Chaudhary	Frontiers in industrial and applied Mathematics, SLIET Longowal (FIAM-2021), December 21-22 2021	International
2.	A single vendor-buyer integrated two-warehouse green fuzzy inventory model for deteriorating items to achieve environmental sustainability. <b>Mamta Kansal</b> , Amit Tuteja, Vinod Kumar	International Conference on advances in scientific computing and machine learning, Dr Bhim Rao Ambedkar University, Agra. (ICASCML-2022), July 29-31 2022	International
3	Fuzzy inventory model for deteriorating items in two ware house system under inflation and back order for Environmentally sustainability. <b>Mamta Kansal</b> , Amit Tuteja, Vinod Kumar	EDUCON-2023 Global educational Research Association and consortium of Higher Education. Guru Kashi University, Talwandi Sabo. 6-8 November 2023	National

4.	Fuzzy inventory model with price and advertisement sensitive demand rate for achieving sustainable environment in Two warehouse. <b>Mamta Kansal</b> , Amit Tuteja, Vinod Kumar	International conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering .(AFTMME-23). MSPTU, Bathinda.	International
5.	A review of Research Papers on Fourier Transforms & Statistical Fourier Analysis.	International conference on Advancements in Engineering, Applied Science and Management (ICAEASM-2018) Punjab University Campus , Chandigarh.	International
6.	An Introduction to Fourier Transforms with Applications and Operations.	International Conference n Recent Innovations in Applied Science, Engineering & Technology.(IEI Mumbai). 16-17 June 2018.	International

#### **TEACHING EXPERIENCE:**

Sr. No	Name of Institute	Period of Job		Designation
		From	To	
1	MRSPTU, BATHINDA	31JULY 2018	TILL DATE	ASSOCIATE PROFESSOR
2	MRSPTU, BATHINDA	31 JULY 2015	30 JULY 2018	ASSISTANT PROFESSOR
3	GZSCCET, BATHINDA	31 JULY 2010	30 JULY 2015	ASSISTANT PROFESSOR
4	GZSCCET, BATHINDA	09 MAY 2005	30 JULY 2010	ASSISTANT PROFESSOR

#### **PERSONAL DETAIL:**

<b>NAME</b>	<b>Dr. Mamta Kansal</b>
<b>FATHER'S NAME</b>	<b>Sh. Harbans Lal Garg</b>
<b>MOTHER'S NAME</b>	<b>Smt. Krishna Devi</b>
<b>PERMANENT ADDRESS</b>	<b>#20559/1, St. No 23-A , Ajit Road, Bathinda(PB) . 151001</b>
<b>DATE OF BIRTH</b>	<b>23-09-1976</b>
<b>NATIONALITY</b>	<b>INDIAN</b>

**PLACE : Bathinda**

**Dr. MAMTA KANSAL**