


Faculty Profile

Name	Mrs. Anjali Harit	Photograph 
Designation	Assistant Professor	
Department	Mathematics	
Address (Residential)	DAV PG College, Bulandshahr	
Mobile No.	-	
Email ID	anjaliharit94@gmail.com	

Educational Qualifications

Degree	Board/ University	Year
B.Sc.	CCS UNIVERSITY, MEERUT	2013
M.Sc. (Mathematics)	CCS UNIVERSITY, MEERUT	2015
M.Phil (Mathematics)	CCS UNIVERSITY, MEERUT	2018
Ph.D	CCS UNIVERSITY, MEERUT	-

Career Profile

- ASSISTANT PROFESSOR FROM AUGUST, 2022 TILL DATE AT DEPARTMENT OF MATHEMATICS, DAV (PG) BULANDSHAHAR.

Administrative Assignments

- As Head of the Department, Department of Mathematics, DAV (PG) College, Bulandshahr, September to till.
- Member of
- Member of NAAC/ IQAC

Areas of Interest/ Specialization

- INVENTORY CONTROL
- SUPPLY CHAIN MANAGEMENT
- REVERSE LOGISTICS
- CRYPTOGRAPHY

Subjects Taught

P.G SUBJECT- <ul style="list-style-type: none"> • DIFFERENTIAL EQUATION • OPERATIONS RESEARCH • MATHEMATICAL METHODS • NUMBER THEORY • METRIC SPACE • TOPOLOGY 	U.G SUBJECT- ALL COURSES	
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Time Table of the Subjects taught during the current Semester

S. No.	Subject	Days	Time	Classroom
1.	Algebra	6	As per schedule	B.Sc. 3 rd Sem
2.	Integral Calculus	6	As per schedule	B.Sc. 1 st Sem
3.	Number Theory	6	As per schedule	M.Sc. 4 th Sem
4.	Operations Research	6	As per schedule	M.Sc. 2 nd Sem

PUBLICATIONS PROFILE (JOURNALS, Chapter in Edited BOOKS; Books)

S.No.	Title of the Paper	Journal Name	Year	Vol. No.	Page No.	ISSN No.	Authorship
1.	Optimising The Effect of Preservation Technology On Deteriorating Items Using Genetic Algorithm	Gyandayini Samaj Vigyan Shodh Patrika	2021	XI(1)	193-199	2249-572X	Joint & First Author
2.	Inventory Model with Inflation Under Credit Period and Shortages	Inter. J. Engg. & Adv. Tech	2020	9(5)	1050-1055	2249 – 8958	Joint & First Author
3.	An Inventory Model For Deteriorating Items With Partial Backlogging And Quadratic Demand Under Inflation	Gyandayini Samaj Vigyan Shodh Patrika	2020	X(1)	244-251	2249-572X	Joint & First Author
4.	An Inventory Model Based on Imperfect Production With	International Journal of Recent	2020	9(2)	89-92	2277-3878	Joint & First Author

	Shortage Backorder	Technology And Engineering (IJRTE)					
5.	Effect Of Preservation Technology On Optimisation Of Two Warehouse Inventory Model For Deteriorating Items With Stock Dependent Demand Under Inflation	International Journal of Interdisciplinary Research and Innovations	2019	7(2)	587-600	2348-1226 (Online) 2348-1218 (Print)	Joint & First Author
6.	Impact of RFID Tagging on Inventory control	Gyandayini Samaj Vigyan Shodh Patrika	2019	IX(3)	01-08	2249-572X	Joint & Second Author
7.	Inventory Model Based on Deterioration and Price Dependent Demand With Shortage and Without Shortage	Gyandayini Samaj Vigyan Shodh Patrika	2018	VIII(2)	233-240	2249-572X	Joint & First Author

Chapter in Edited Books

S. No.	Title of Edited Book	Title of Chapter	Authorship*	Publisher (with city/ Country) & Year of Publication	ISBN
1.	RECENT ADVANCES IN MATHEMATICS AND COMPUTATIONAL ASPECTS	USE OF BILINEAR PAIRINGS IN CRYPTOGRAPHY	JOINT & FIRST AUTHOR	RAJ PUBLICATIONS 119, VILLAGE AND POST BUDHERA JAHIDPUR, HAPUR ROAD, MEERUT(INDIA)& 2020	- 978-81- 93004-0
2.	DECISION ANALYTICS APPLICATIONS IN INDUSTRY	EFFECT PRESERVATION TECHNOLOGY OPTIMISATION TWO WAREHOUSE INVENTORY MODEL FOR DETERIORATING ITEMS	JOINT & FIRST AUTHOR	SPRINGER NATURE SINGAPORE PTE LTD. & 2020	978-981-15-364

Conference/ Seminars/ Workshops Organization/ Presentation

S.No.	Title of Lecture/ Paper	Nature of Programme	Details	Level	Date of Presentation	Sponsoring Agency

1.	Optimal Inventory Policy for Deteriorating Items with Preservation Technology	Three Days National Conference on History of Mathematical Sciences	S.G.R.R.(P.G.) College, Dehradun	National	October 05-07, 2017	UGC Grant
2.	Effect of Preservation Technology on Optimisation of two warehouse Inventory Model for Deteriorating Items	9 th International Conference on Quality, Reliability, Infocom Technology & Business Operations	Department of Operational Research, University of Delhi	International	December 27-29, 2018	Springer & Lulea University of Technology, Sweden
3.	An Inventory Model for Deteriorating Items with Partial Backlogging and Quadratic Demand under Inflation	National Conference on Advances in Operations Research and Mathematical Sciences	Vardhman College, Bijnor (U.P.)	National	February 24-25, 2018	Operational Research Society of India (ORSI) Meerut Chapter
4.	Optimization of Two Warehouse Inventory Model for Deteriorating Items with Stock Level Demand Rate	CONIAPS-XXIV on Innovations in Physical Sciences	CCS University, Meerut (U.P.)	International	09/11/2019	
5.	An Inventory Model on Expiry date and Advance Payments with Price Dependent Demand	Second International Conference on Frontiers in Industrial and Applied Mathematics	Galgotias College of Engineering and Technology	International	December 21-22, 2019	

6.	Imperfect Production Model based on Deterioration and Partial Backlogged	International e-Conference on Recent Trends in Advancement of Mathematical and Physical Sciences	D.N. College, Meerut (U.P.)	International	23/05/2020	
7.	Supply Chain Inventory Model considering Carbon Emission	3rd International Conference on Mathematical Modelling, Applied Analysis and Computation	Department of Mathematics JECRC University, Jaipur, India	International	08/08/2020	

Research Projects (Major Grants/ Research Collaboration)

Other Activities

- Presented a paper on “Optimal Inventory Policy for Deteriorating Items with Preservation Technology” in Three Days National Conference on History of Mathematical Sciences organized by S.G.R.R.(P.G.) College, Dehradun, October 05-07, 2017.
- Presented a paper on “Optimization of Two Warehouse Inventory Model for Deteriorating Items with Stock Level Demand Rate” in CONIAPS-XXIV on Innovations in Physical Sciences organized by CCS University, August 09 -11, 2019.
- Presented a paper on “An Inventory Model for Deteriorating Items with Partial Backlogging and Quadratic Demand under Inflation” in National Conference on Advances in Operations Research and Mathematical Sciences organized by Vardhman College, Bijnor, February 25-26, 2018.
- Presented a paper on “An Inventory Model on Expiry date and Advance Payments with Price Dependent Demand” Second International Conference on Frontiers in Industrial and Applied Mathematics organized by Galgotias College of Engineering and Technology on December 2019.
- Presented a paper on “Imperfect Production Model based on Deterioration and Partial Backlogged” in international e-Conference on Recent Trends in Advancement of Mathematical and Physical Sciences organized by D.N. College, Meerut on May 22-23,2020.
- Presented a paper on “Supply Chain Inventory Model considering Carbon Emission” in 3rd International Conference on Mathematical Modelling, Applied Analysis and Computation, August 07-09,2020.
- Participated in 5 days International Webinar on “Mathematics ” organized by Shri Guru Ram Rai (P.G) College, Dehradun, September14-18, 2020.
- Participated in International Webinar on “Role of Operations Research during Pandemic” organized by operational Research Society of Nepal on December 17-20, 2020.
- Participated in Online Virtual Math Fest organized by VMF2020 on July, 20-26,2020.

- Participated in International Workshop on “Recent Trends in Applied Mathematics and Research Methodology” organized by Department of Mathematics, Govt. MGM PG College, Itarsi on 04-05 March, 2021.
- Participated in online lecture series on “Advances in Inventory Control & supply Chain Management” organized by ORSI, Meerut Chapter on August 11, 2021

Signature of Faculty Member