

Bio-Data

Name - **Dr. Archana Malik**

Designation- Associate Professor

Date of Joining- 16-07-1990

Teaching Experience- 27 yrs

Educational Qualifications-

Exam. Passed	University/Board	Year of Passing	%age of Marks	Division	Award/Medals Prize/Merit, if any
Metric or Equivalent	HSEB	1982	67%	1st	
Hr. Sec./Pre. Uni./10+2/Inter	M.D.U., Rohtak	1983	57%	2nd	
B.A./B.Sc./B.Com	Govt. College for Women, Rohtak	1986	67%	1st	1st in Maths, 2nd in Skt.
M.A./M.Sc./or any other Master's Degree (Name the Subject)	M.D.U., Rohtak	1988	67%	1st	
NET					
M.Phil	M.D.U., Rohtak	1989	75%	1st	
Ph.D.	M.D.U., Rohtak	2000	Subject Statistics Title of the Thesis Applications of Stochastic Processes: Study of Some Reliability Models with Partial Failure, Accidents and Various Types of Repair		

B.Ed.	C.R. College of Education, Rohtak	1990	56%	2nd	
-------	--	-------------	------------	-----------------------	--

Research Papers Published:

1. **R.K. Tuteja, Gulshan Taneja and Archana Malik** (2000-2001) – Reliability and Profit Analysis of a Two-Unit Cold Standby System with Partial Failure and Two Types of Repairman. *Journal of Decision and Mathematical Sciences*, 5-6(1-3): 45-58.
2. **R.K. Tuteja, Gulshan Taneja and Archana Malik** (2000) – Profit Evaluation of a Two-Unit Warm Standby System with Partial Failure and Waiting Time of Repairman, *J. Indian Soc. Stat. Oper. Res.*, XXI (1-4) : 39-51.
3. **Archana Malik (2014)** – Probabilistic Analysis of A Two-Unit Cold Standby System with Partial Failure, Ordinary and Expert Repairman, *International Journal of Innovative Research & Studies*, 3(5) : 196-209, ISSN : 2319-9725.
4. **Archana Malik (2014)** – Profit Evaluation of a Two-Unit System with Instructions and Post Repair Inspection, *International Journal of Scientific and Research Publications*, 4(5) : 1-5, ISSN : 2250-3153.
5. **Archana Malik (2014)** – Comparison of Two Reliability Models for Two-Unit Cold Standby System with Three Accidental Effects, *International Journal of Mathematics Trends and Technology*, 8(2) : 120-128, ISSN : 2231-5373.
6. **Archana Malik (2014)** – Analysis of a Two-Unit Cold Standby System with Instructions and the Accidental Effects, *International Journal of Advanced and Innovative Research*, 3(4) : 427-432, ISSN : 2278-7844.
7. **Archana Malik (2014)** – On an Irreducibility Theorem of A. Cohn, *International Journal of Enhanced Research in Educational Development*, 2(3) : 39-49, ISSN : 2320-8708.

8. **Archana Malik (2014)** – Generalization of An Irreducibility Theorem of A. Cohn, *International Journal of Scientific Research and Education*, 2(8) : 1708-1720, ISSN : 2321-7545.
9. **Archana Malik (2017)** – Irreducibility of Polynomials with Integral Coefficients, *International Journal of Multi Dimensional Research*, 09(02): ISSN : 0975-7139.

Papers presented in Conferences/Seminars/Workshops/Symposia etc

Sr. No.	Title of the Paper Presented	Title of the Conference/ Seminar etc. & Organizer	Date(s) of the event	Whether International/ National/ State/ Regional/ University or College level
1.	Irreducibility of Polynomials With Non negative Coefficients	National Seminar on "Recent Developments In Mathematical Sciences" By Department of Mathematics MDU Rohtak	March, 07-08, 2017	National
2.	Analysis of a two unit cold standby System with instructions and accidental effects	International Conference on History and Development of Mathematical Sciences & Symposium On Non linear Analysis By Department of Mathematics MDU Rohtak	Nov 21-24, 2012	International
3	Comparison of Two Reliability Models for Two	Recent Developments in Sampling	March, 26-27, 2011	National

	unit Cold Standby System with three Accidental Effects	Techniques and its Applications. By Department of Statistics MDU Rohtak		
4	Profit Evaluation of a Two Unit System with Instructions and Past-Repair Inspection.	International conference on Mathematics and Soft Computing (Applications in Engineering) By NC college of Engineering Israna Panipat	4-5 December 2010	International
5	Analysis of a System with Partial failure, Ordinary and Expert Repairmen.	National Seminar on Challenges in Software Engineering Research and Practices By NC college of Engineering Israna Panipat	30-31 March 2010	National
6	Reliability and MTSF Analysis for Two unit Cold Standby System with Partial Failure and Complete Failure Due to mishandling by Assistant	Annual Conference of Indian Society of Information Theory and Applications By Department of Mathematical Sciences & Computer Applications Bundelkhand University Jhansi	January 14-16 2000	National
7	Cost Benefit Analysis of Two Unit with Standby System	Third Annual Conference of Indian Society of Information Theory	Feb 12-14 1999	National

with Partial Failure and Waiting Time of Repairmen	and Applications. By Department of Mathematics GNDU Amritsar		
--	--	--	--

Participation in Seminars/ Conferences/ Workshops/Symposia etc.

- a) National Conference on History of Mathematics and Recent Developments held at Department of Mathematics , MDU Rohtak on December 20-22, 2006.
- b) Workshop on “Empowering of Women in Higher Education” held at Maharshi Dayanand University, Rohtak on September 24,2010.
- c) International Conference on History and Development of Mathematical Sciences & Symposium on Nonlinear Analysis held at Department of Mathematics of MDU, Rohtak on November 21-24 ,2012.
- d) Seminar on Official Statistics and Career Prospects held in Department of Statistics, MDU Rohtak on February 18 ,2014.
- e) One Day Workshop on Communication and Soft Skills held at Department of Mathematics MDU , Rohtak on October 16, 2015.
- f) One Day Workshop on All India Survey on Higher Education of Maharshi Dayanand University Rohtak on 20 November 2015.
- g) One Day Workshop on ‘Mathematics: Recent Development and Scope’ on October 21 2016.
- h) One Day Workshop on Swang: From Saang to Modern Theatre by Maharshi Dayanand University Rohtak on 26 November, 2016.
- i) National Seminar on Recent Developments in Mathematical Sciences held at Deptt. Of Mathematics MDU , Rohtak on 7-8 March 2017.
- j) One Day Workshop on All India Survey on Higher Education held at Maharshi Dayanand University Rohtak on March 17, 2017.
- k) One Day Seminar on Career and Placement Guidance in Mathematics & Alumni-Students Interaction Programme on November 15 , 2017.

Guidance /Supervision of M.Phil Dissertation- No. of students – 3 (Degree Awarded).

Guidance /Supervision of PhD Thesis- 1 (Registered).

Member of

- | | |
|-------|---|
| (i) | UG Board |
| (ii) | PG Board |
| (iii) | Academic Council |
| (iv) | Research Committee |
| (v) | UGC BSR Fellowship |
| (vi) | Faculty of Physical Sciences. |
| (vii) | Lifetime member of Academic Society ISITA |

Co-Curricular Activities:- Convenor of Music/ Dance activities in University College, MDU Rohtak for 5 yrs.