

BIO-DATA

**PROF. DALIP SINGH
DEPARTMENT OF MATHEMATICS
MAHARSHI DAYANAND UNIVERSITY
ROHTAK-124001 (HARYANA)**

1. Name	:	Prof. Dalip Singh
2. Father's Name	:	Sh. Ram chander
3. Date of Birth	:	01-02-1965
4. Designation	:	Professor, Department of Mathematics M.D. University, Rohtak-124001. Ph. 01262-393303, 393313
5. Home Address	:	H.No. 208, Sector-14, HUDA, Rohtak M- 9255121164 E-mail:dsmdur@gmail.com
6. Permanent Address	:	Vill.-Bharangi&.P.O. Dharna, Distt. Rewari (Haryana).
7. Academic Qualifications	:	M.Sc. (Mathematics) M.Phil. (Mathematics) Ph.D. (Mathematics)
8. Teaching Experience	:	29 years
9. Research Experience	:	9 years
10. Topic of Research	:	(i) Reliability Modelling (ii) Algebra
11. Research Project	:	
12. Research Papers	:	12 (i)Published: 11(enclosed List) (ii) Communicated: 1
13. Ph.D.Thesis guided /Guiding	:	4(Guiding) (list enclosed)

14.M.Phil.Dissertation guided/Guiding	:	4 (Guided) (list enclosed)
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15. Conferences/ Seminars/ Refresher Courses/ Lectures:

- i) Attended Refresher Course in Mathematics from 28.03.1995 to 17.04.1995 in the Department of Mathematics, M. D. University, Rohtak.
- ii) Attended Orientation Course from 06.05.1994 to 03.06.1994 in the Academic Staff College, H. P. University, Shimla.
- iii) Attended Refresher Course in Mathematics from 08. 03. 1999 to 28. 03. 1999 in the Department of Mathematics, M. D. University, Rohtak.
- iv) Attended Refresher Course in Mathematics from 16.03.2001 to 07. 4. 2001 in Delhi university, New Delhi and presented a paper .
- v) Attended National Conference on History of Mathematics and Recent Developments, Department of Mathematics, M.D. University, Rohtak during December 20-22, 2006.
- vi) National Conference on Computational and Mathematical Sciences held during Jan. 28-29, 2012 at VIT Campus ,Jaipur presented the paper “ Cost-benefit analysis of a gas turbine system comprising two-unit generating different megawatts of power in a thermal power plant".
- vii) International Scientific and Engineering Serials National Conference on Spectrum of information technology developments at india`s perspective held in 2012 at Baba Budha College ,Bir Sahib, presented the paper “ Comparative analysis between two models for a boiler of gas plant".
- viii) National Seminar on Mathematics held during March 14-15, 2012 at the Tika Ram P.G. Girls College, Sonipat presented the paper “ Analysis of a single unit system with improper diagnosis on failure".

- ix)** International Conference on Information and Mathematical Sciences held during Oct. 24-26, 2013 at Baba Farid College of Engineering and Technology Bathinda presented the paper “ Reliability analysis of a power generating system through gas and steam turbine with scheduled inspection”.
- x)** 3rd National Conference on Computational and Mathematical Sciences held during Nov. 25-26, 2013 at VIT Campus ,Jaipur presented the paper “ Analysis of two-types availability for a power generating system comprising gas and steam turbines with random inspection”.
- xi)** National Level Seminar on Algebra and its Applications held on 1 Feb., 2014 at department of mathematics government college, Birohar (Jhajjar) presented the paper “ Reliability and cost-benefit analysis of a gas turbine power plant comprising two gas and one steam turbine with scheduled inspection”.
- xii)** National Conference on Recent Trends in Mathematical and Computational Sciences held during January 3-4, 2015 at T.M. Bhagalpur University ,Bhagalpur presented the paper “ Computational Analysis of parameters affectinf economy of one gas and one steam turbine system with scheduled inspection”.
- xiii)** International Conference on Recents Advances in Mathematics held during Feb. 17-18, 2018 at Aggarwal College Ballabgarh , Faridabad chaired a session.
- xiv)** Organised International Conference on History and Development of Mathematical Sciences & Symposium on Nonlinear Analysis held during November 21-24, 2012 at the Department of Mathematics, M. D. University, Rohtak. presented the paper “ Reliability and economic analysis of a gas turbine two-unit system generating different megawatts of power”.
- xv)** International Conference on History and Development of Mathematics held during November 29,30and December 01, 2013 at the Department of Mathematics, JECRC University, Jaipur. presented the paper “ Reliability modeling for a power generating system comprising gas and steam turbines with random inspection.”
- xvi)** Worked as member of the organizing team and also chair session in the workshop “Recent Developments in Mathematical Sciences” held on Mar. 7-8, 2017, organized by Department of Mathematics, Maharshi Dayanand University, Rohtak.

16. Academic Experience :

- i) Life member, Indian Society of information theory and applications.
- ii) Worked as Treasure in International Conference on History and Development of Mathematical Sciences & Symposium on Nonlinear Analysis held during November 21-24, 2012 at the Department of Mathematics, M. D. University, Rohtak.
- iii) Member of the organizing committee for Science Conclave organized by M. D. University, Rohtak and Department of Science and Technology, Govt. of Haryana during December 2-3, 2011.
- iv) Working as Vice-Chancellor's nominee/ Subject expert in the selection committees for the post of assistant professor in mathematics and other subjects in various colleges/institutes.
- v) Working as Observer/Suptd. in various Entrance Examinations, M. D. University, Rohtak, since 1991.
- vi) Superintendent, Regional Mathematical Olympiad, during the years 2012 onward.
- vii) Member, Syllabi Framing Committee for Mathematics, M. D. University, Rohtak, since 2011.
- viii) Subject expert for UMC (in the subject of Mathematics), M. D. University, Rohtak, since 1995.
- ix) Observer/Superintendent in Chief/ Superintendent for various entrance examinations conducted by Universities in Haryana.
- x) Member, Admission Committee, Department of Mathematics, M. D. University, Rohtak, since 2010.
- xi) Member, Academic council of M.D.University Rohtak, since Jan. 2015
- xii) Member of the Board of UG/PG Studies in M.D.University Rohtak, from 2012 to till date

17. Administrative Experience:

- i) Worked as Co-ordinator, Directorate of Distance Education Study Centre, Department of Mathematics, M. D. University, Rohtak, from 2012 to till date.
- ii) Nominated as member of Board of Management, Chhotu Ram Plytechnic, Rohtak from the panel of Haryana Govt., Technical Education Department for the year 2013.

18. Extra-curricular Activities :

- i) Incharge, Educational Tour to Manali (HP) and neighbouring areas (2011, 2015) and Rajasthan, Gujarat and Div & Daman (2013).
- ii) Organised Blood Donation Camp in the Department of Mathematics, M. D. University, Rohtak. on 28.02.2011. **Donated blood** and motivated the students of the Department for this “**save lives**” activity (**128** units of blood were donated in this camp).
- iii) Organized Blood Donation Camp in Department of Mathematics, M.D.U. Rohtak on 16-09-2015 wherein 105 units of blood were donated.
- iv) Organized Blood Donation Camp in Department of Mathematics, M.D.U. Rohtak on 11-04-2018 wherein 105 units of blood were donated.
- v) Office Bearer/Member of the Executive Committee of M.D.University Teachers's Association for the followind sessions:

2006-2007	Treasurer
2007-2008	Secretary
2008-2009	Member of the EC
2009-2010	Treasurer
2010-2011	Tressurer
2011-2012	Secretary
2012-2013	Member of the EC

19. Books: 02

- **Business Mathematics in 2017 B.Com published by Nirupam Sahitya Sadan**
ISBN: 978-93-84042-30-1
- **Business Mathematics in 2015 B.Com (Honours) published by Jeevansons**
Publications ISBN: 978-93-80896-75-5

20. Ph.D. Candidates Guided:

Sr. No.	Name of Candidate	Topic/Title of Thesis	Year of Completion
1.	Sheetal	Reliability modeling of systems with effects of time and temprature on operations and repair	Continuing
2	Narender Singh	Reliability modeling of two-unit standby system subject to inclement weather with different repair facilities	Continuing
3	Meenaxi	Reliability modeling of heart and kidney with various deterioration aspects	Continuing
4	Swati Kharub	Properties of some cyclic codes over finite rings	Continuing

20. M.Phil. Candidates Guided:

Sr. No.	Name of Candidate	Topic/Title of Dissertation	Year of Award of Dissertation
1.	Pankaj Arora	Idempodents in abelian group algebras FGp^n and FGp^nq	2014
2.	Pardeep	A study of graph theory and its applications using adjacency matrices	2015
3.	Ritu Kumari	A study of weighted graph and its	2017

		applications	
4.	Mohit Yadav	Comparative and cost-benefit analysis of man-machine systems failure due to human errors and hardware problem operating under different weather conditions	2017

LIST OF PUBLICATIONS: PROF. DALIP SINGH

1. Dalip singh, Gulshan Taneja "Reliability Analysis of A Power Generating System Through Gas and Steam Turbines With Scheduled Inspection" in Aryabhata Journal of Mathematics and Informatics, 2013, 5(2), 373-380 [ISSN: 0975-7139] IF: 0.485
2. Dalip Singh and Gulshan Taneja, "Comparative Analysis of A Power Plant Comprising One Gas and One Steam Turbines With Respect to Two Types of Inspection "International Journal of Engineering Science and Techonology, 2014, 6(6),331-338.ISSN:0975-5462
3. D.P.kularia and Dalip Singh "The Geometrical Base of the Formula $(a+b)^2=a^2+b^2+2ab$ " Abhyudayah, 2014, 3(1), pp.5-6. ISSN:2320-4176.
4. Dalip Singh and Gulshan Taneja, "Reliability and Cost-Benefit Analysis of A Power Plant Comprising Two Gas and One Steam Turbines With Scheduled Inspection" International Journal of Soft Computing and Engineering, 2014, 4(3),30-37.ISSN:2231-2307 IF:1.224
5. Dalip Singh and Gulshan Taneja, "A Reliability Model On Power Plant Comprising Two Gas and One Steam Turbines With Random Inspection" Caledonian Journal of Engineering ISSN:1999-9496.
6. Dalip Singh, Jagbir Singh and Pankaj Arora, "Some Idempotents in Abelian Group Algebra". International Journal of Statistika and Matematika 2014,10(2),36-41 IF: 1.1639 ISSN: 2249-8605
7. Dalip Singh, Ashok Kumar Saini, "Computational analysis of parameters affecting economy of one gas and one steam turbine system with scheduled inspection". International Journal of Statistika and Matematika. ISSN: 2277- 2790 E-ISSN: 2249-8605, Volume 11, Issue 2, 2014 pp 65-73.
8. Dalip Singh and Gulshan Taneja, "Reliability and Economic analysis of a power generating system comprising one gas and steam turbine with random inspection" Journal of Mathematics and Statistics ISSN: 1549-3644, 10(4) pp.-436-442.
9. Narender Singh, Dalip Singh And Ashok Kumar Saini, "Cost-Benefit Analysis of Two Non-Identical Units Cold Standby System Subject to Heavy Rain with Partially Operative After Repair", Global Journal of Pure and Applied Mathematics. 2017, 13(2), 1SSN 0973-1768, pp. 137-147.

10. Narender Singh, Dalip Singh And Ashok Kumar Saini, "Cost-Benefit Analysis of Two Identical Warm Standby System Subject to Under Heavy Rain with Partially Operative After Repair", International Journal of Pure and Applied Mathematics. 2017, 114(3), ISSN 1311-8080, pp. 503-514.
11. Narender Singh, Dalip Singh And Ashok Kumar Saini, "Cost Analysis of Two Identical Cold Standby under the Influence of Snowstrom Causing digging out and Hospitalization", International Journal of Mathematics Trends and Technology. 2017, 47(3), ISSN 2231-5373, pp. 192-202.
12. Sheetal ,Dalip Singh and Gulshan Taneja, "Reliability and profit analysis of a system with effect of temprature on operation" International Journal of applied Engineering research. 2018, 13(7)ISSN:0973-4562, pp.-4865-4870.