

List of Ph.D. Scholars of the Department of Mathematics

S.No.	Name of the Scholar	Name of the Supervisor/s	Registration Number	Year of Award	Title of the thesis
1	Dr. Shelly Arora	Dr. V.K. Kukreja Dr. S.S. Dhaliwal	PTU/Ph.D./07.04.03	2007	Solutions of partial differential equations involving diffusion dispersion phenomenon using weighted residual methods
2	Dr. Amritbir Singh	Dr. R.K. Mishra Dr. S.S. Dhaliwal	SLIET/Ph.D./07.07.06	2011	Investigation on certain cosmological models of general theory of relativity for existence of dark matter in the universe due to variable constants
3	Dr. Arunesh Kumar Pandey	Dr. R.K. Mishra Dr. T.N. Pandey	SLIET/Ph.D./14/07	2014	Certain investigations on hidden connections between Finsler geometry & theory of relativity along with study of various cosmological consequences
4	Dr. Sukhwinder Singh	Dr. S.S. Dhaliwal Dr. Sushma Gupta	SLIET/Ph.D./15/07	2011	Some differential subordinations and their applications to the study of univalent and multivalent functions
5	Dr. Sanjeev Kumar	Dr. S.S. Dhaliwal	SLIET/Ph.D./34/08	2012	Development and analysis of new iterative methods for numerical solution of non-linear equations
6	Dr. Rajni Sharma	Dr. J.R. Sharma Dr. R.K. Guha	SLIET/Ph.D./38/08	2012	Iterative methods for the solution of nonlinear equations
7	Dr. Sabina	Dr. Vinod Mishra	SLIET/Ph.D./47/08	2012	Wavelet-Galerkin technique for solving certain numerical differential equations and inverse ill-posed problems
8	Dr. Puneet Gupta	Dr. J.R. Sharma Dr. R.K. Guha	SLIET/Ph.D./62/08	2014	Numerical solutions of nonlinear equations: Some improved iterative methods
9	Dr. Bharti Gupta	Dr. V.K. Kukreja	SLIET/Ph.D./80/08	2015	Applications of orthogonal Spline collocation method for the solution of Diffusion problems
10	Dr. Ajay Kumar Mittal	Dr. V.K. Kukreja	SLIET/Ph.D./94/09	2015	Solution of two point boundary value problems by orthogonal collocation on finite elements using Hermite basis
11	Dr. Rupinderjit Kaur	Dr. Mandeep Singh	SLIET/Ph.D./115/09	2014	Inequalities involving matrix functions

12	Dr. Harpreet Kaur	Dr. Vinod Mishra Dr. R.C. Mittal, IIT	SLIET/Ph.D./116/09	2015	Haar wavelet technique for solving certain differential, integral and integro-differential equations
13	Dr. Sarika Verma	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-1002	2015	Study of some integral operators involving analytic functions
14	Dr. Chanchal	Dr. R.K. Mishra	PMA-1003	2015	Certain aspects of the expansion of Bianchi I & II universes with
15	Dr. Raj Kumar	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-1004	2015	Convolution properties of some univalent harmonic functions
16	Dr. Gurbinder Kaur	Dr. R.K. Guha Dr. J. Dhar, IIITM	PMA-1005	2017	Hybrid approach of conventional time series and ANN soft computing techniques for forecasting NSE and BSE stocks
17	Dr. Dinesh Kumar	Dr. S.S. Dhaliwal Dr. J.N. Sharma,	PMA-1006	2015	Analysis of wave propagation through visco-thermo-elastic materials
18	Dr. Ishfaq Ahmad Ganaie	Dr. V.K. Kukreja	PMA-1007	2015	Solution of differential equations using Hermite collocation method
19	Dr. Himani Arora	Dr. J.R. Sharma	PMA-1101	2017	Some improved classes of Iterative methods for solving nonlinear equations
20	Dr. Rajinder Pal	Dr. Mandeep Singh	PMA-1102	2019	On matrix inequalities
21	Dr. Avtar Chand	Dr. R.K. Mishra Dr. J.R. Sharma	PMA-1301	2019	Certain investigation on dark energy cosmological models in alternative theories of gravitation
22	Dr. Dimple Rani	Dr. Vinod Mishra	PMA-1305	2020	Laplace transform based numerical solutions of certain differential and integral equations
23	Dr. Anchal Aggarwal	Dr. Mandeep Singh Dr. J.S.	PMA-1501	2021	Operators and associated norm inequalities
24	Dr. Deepak Kumar	Dr. J.R. Sharma	PMA-1502	2020	Development and analysis of some efficient iterative methods for solving nonlinear equations
25	Dr. Sunil Kumar	Dr. J.R. Sharma	PMA-1601	2021	Development of some improved classes of numerical methods for solving nonlinear equations
26	Dr. Deepali	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-1303	2021	Some aspect of univalent harmonic mappings

27	Dr. Ravneet Kaur	Dr. V.K. Kukreja	PMA-1304	2021	Solution of some partial differential equations using finite difference method
28	Dr. Yogesh Kapil	Dr. Mandeep Singh	PMA-1401	2022	Operator inequalities
29	Dr. Chinu Singla	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-1503	2022	Analytic and geometric properties of some univalent harmonic functions
30	Dr. Shallu	Dr. V.K. Kukreja	PMA-1804	2023	An approved B-spline collocation method for non-linear partial differential equations
31	Dr. Heena Dua	Dr. R.K. Mishra	PMA-1504	2023	Certain investigations on cosmological models with bilinear deceleration parameter in alternative theories of gravitation
32	Dr. Archana Kumari	Dr. V.K. Kukreja	PMA-1802	2023	Solution of singularly perturbed differential equations using Hermite collocation method
33	Dr. Narbada Rani	Dr. Vinod Mishra	PMA-1801	2023	Magic squares and cubes: constructions, properties and applications
34	Dr. Harmandeep	Dr. J.R. Sharma	PMA-2011	2024	On some efficient numerical methods for non –linear equations
35	Dr. Sonu	Dr. R.K. Guha	PMA-1602	2024	New products adoption dynamics in competitive environment: innovation diffusion models
36	Dr. Manju Yadav	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-2118	2025	Mapping properties of some univalent functions
37	Dr. Roji Bala	Dr. Vinod Mishra	PMA-1805	2025	Fibonacci and Narayana like sequences theory and applications
38	Dr. Anju Rani	Dr. Mandeep Singh	PMA-2025	2025	Operator inequalities involving singular values

List of Ph.D. Students of Department of Mathematics (Pursuing)

S.No.	Name of the Scholar	Name of the Supervisor/s	Registration Number	Title of the Thesis
1	Mr. Mandeep	Dr. Mandeep Singh	PMA-2012	Analysis on inertia and determinants of some special matrices
2	Ms. Anita Devi	Dr. V.K. Kukreja	PMA-2121	Numerical Solutions of fractional partial differential equations using improvised cubic B-spline collocation method

3	Ms. Mannat Mand	Dr. V.K. Kukreja Dr. Birmohan Singh	PMA-2138	Analysis of distribution and normalization using statistical techniques in data science
4	Mr. Rahul Sharma	Dr. R.K. Mishra	PMA-2213	Exploring potential dark energy sources in some alternative theories of gravitation
5	Mr. Arbaz Khan	Dr. S. Kumar	PMA-2212	Solution of some partial differential equations using finite element method
6	Ms. Navya Jain	Dr. R.K. Mishra	PMA-2224	Advanced dynamics in cosmological models with perturbative study beyond general relativity
7	Ms. Drishti Rajput	Dr. V. Mishra	PMA-2225	Study of haar, Hermite and Meixner wavelets with applications in differential equations
8	Mr. Prem Sagar	Dr. J.R. Sharma	PMA-2310	Yet to be decided
9	Ms. Bhumika Choudhary	Dr. Yogesh Kapil Dr. Mandeep Singh	PMA-2340	Yet to be decided
10	Ms. Shivani Chandalia	Dr. Vinod Mishra	PMA-2341	Yet to be decided
11	Ms. Bhavna Garg	Dr. Yogesh Kapil Dr. Mandeep Singh	PMA-2355	Yet to be decided
12	Ms. Annu Devi	Dr. V.K. Kukreja	PMA-2356	Yet to be decided
13	Ms. Nirmala Tandi	Dr. Vinod Mishra	PMA-2357	Yet to be decided
14	Ms. Arti Devi	Dr. V.K. Kukreja Dr. Vinay Kanwar (Panjab University)	PMA-2421	Yet to be decided
15	Mr. Ashish Kumar	Dr. J.R. Sharma	PMA-2427	Yet to be decided
16	Ms. Priya Awasthi	Dr. R.K. Mishra	PMA-2426	Yet to be decided
17	Mr. Brijesh Singh	Dr. Vinod Mishra	PMA-2435	Yet to be decided
18	Mr. Subarna Khanra	Dr. V. K Kukreja	PMA-2448	Yet to be decided
19	Ms. Samta Jain	Dr. Sudhir Kumar	PMA-2454	Yet to be decided
20	Mr. Neeraj Kumar	Dr. R.K. Mishra	PMA-2458	Yet to be decided
21	Mr. Sukhminder Singh	Dr. V.K. Kukreja Dr. J.R. Sharma	PMA-2459	Yet to be decided
22	Mr. Sameet	Dr. V.K. Kukreja Dr. J.R. Sharma	PMA	Yet to be decided
23	Mr. Neeraj	Dr. V.K. Kukreja	PMA	Yet to be decided
24	Ms. Sandhya	Dr. R.K. Mishra	PMA	Yet to be decided

