

## Lalit Mohan- CV

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**3. Institution:** Government Polytechnic Dhamlawas, Rewari, Haryana, India.

**4. Date of Birth:** 26/08/1995

**5. Gender (M/F/T):** Male

**6. Category Gen/SC/ST/OBC:** SC

**7. Whether differently abled (Yes/No):** No

**8. Academic Qualification**

	Degree	Year	Subject	University/Institution	% of marks
1.	10 <sup>th</sup>	2011	Science, Maths, Hindi, English, SST	CBSE, New delhi	9.4 CGPA
2.	12 <sup>th</sup>	2013	Maths, Physics, Chemistry, English, Music	CBSE, New delhi	72.40
3.	B. Sc.	2013-16	Maths, Physics, Chemistry	MDU, Rohtak	60
4.	M. Sc.	2016-18	Mathematics	Central University of Haryana	58.85
5.	Ph. D.	2021-Present	Mathematics	National Institute of Technology, Kurukshetra	Pursuing (Part-time mode)

**9. Qualified Exams**

	Exam	Year	Subject	Institution/Agency
1.	NET	2018	Mathematics	CSIR
2.	GATE	2018	Mathematics	IIT
3.	JAM	2017	Mathematics	IIT

**10. Work experience (in chronological order):**

S. No.	Positions held	Name of the Institute	From	To	Pay Scale
1.	Lecturer	Government Polytechnic Dhamlawas, Rewari, Haryana-123101	29/03/2023	Present	FPL-9(Basic-53100)

**11. Publications (List of papers published in SCI /SCIE/SCOPUS/UGC journals, in year wise descending order):**

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Lalit Mohan, Amit Prakash	Stability and numerical analysis of fractional BBM-Burger equation and fractional diffusion-wave equation with Caputo derivative	Optical and Quantum Electronics (Springer) (SCI) (IF: 3.0)	DOI : 10.1007/s11082-023-05608-9	1-25	(2023)
2.	Lalit Mohan, Amit Prakash	An efficient technique for solving fractional diffusion equations arising in oil pollution via natural transform	Waves in Random and Complex Media (SCIE) (Taylor and Francis) (IF: 4.853)	<a href="https://doi.org/10.1080/17455030.2023.2273323">https://doi.org/10.1080/17455030.2023.2273323</a>	1-25	(2023)
3.	Amit Prakash, Lalit Mohan,	Application of Caputo Fractional Operator to Analyse the Fractional Model of Brain Tumour Via Modified Technique	International Journal of Applied and Computational Mathematics (SCOPUS) (Springer)	<a href="https://doi.org/10.1007">https://doi.org/10.1007</a>	1-33	(2023)

				<a href="#">7/s408</a> <a href="#">19-</a> <a href="#">023-</a> <a href="#">01591-</a> <a href="#">7</a>		
4.	<b>Lalit Mohan,</b> Amit Prakash	Stability and numerical analysis of the generalised time-fractional Cattaneo model for heat conduction in porous media	The European Physical Journal Plus ( <b>SCI</b> ) ( <b>Springer</b> ) ( <b>IF: 3.758</b> )	https://doi.org/10.1140/epjp/s1360-023-03765-0	1-29	(2023)
5.	<b>Lalit Mohan</b>	Generators of Matrix Algebra in Dimension 2 And 3	RESEARCH REVIEW International Journal of Multidisciplinary ( <b>UGC-Listed</b> )	04	1-5	(2019)
6.	<b>Lalit Mohan</b>	Application of Linear Programming techniques in Personnel Management	RESEARCH REVIEW International Journal of Multidisciplinary ( <b>UGC-Listed</b> )	04	1-4	(2019)
7.	<b>Lalit Mohan</b>	Application of Linear Programming for Optimal Use of Raw Materials in Bakery	RESEARCH REVIEW International Journal of Multidisciplinary ( <b>UGC-Listed</b> )	03	1-5	(2018)

## 12. Publications other than Research papers

S. No.	Title of Book/ Edited Book/Book Chapter (Type) (Role)	Publisher	International/ National	ISSN/ ISBN number	Editors/Authors
1.	Multidisciplinary Approach in Research Area (Volume-1) ( <b>Edited Book</b> ) ( <b>Editor</b> )	The Hill Publication	International	978-81-966799-5-8	Prof Deepali Virmani, Shivam Kumar Upadhyay, <b>Lalit Mohan</b> , Pooja Singh, Dr Pallavi Arya, Dr R. Vijayalakshmi

2.	A hybrid numerical technique for solving nonlinear biological model <b>(Book Chapter)</b> <b>(Author)</b>	The Hill Publication	International	978-81-966799-5-8	<b>Lalit Mohan</b>
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### 13. List of Journal for which Article Reviewed

S. No.	Name of Journal	Indexing	Publisher	Impact Factor	Year
1.	Chaos, Solitons and Fractals	SCI, SCIE, SCOPUS	ELSEVIER	7.8	(2023)

### 14. Papers presented in International/National Conference:

S. No.	Author(s)	Title	Name of Conference	International/ National	Year
1.	<b>Lalit Mohan,</b> Amit Prakash	Analysing the conduction of heat in porous medium via Caputo fractional operator with Sumudu transform	6th International Conference On Mathematical Modelling, Applied Analysis And Computation <b>(Springer)</b> <b>(SCOPUS)</b>	International	(2023)
2.	<b>Lalit Mohan,</b> Amit Prakash	Applications of Caputo fractional operator to investigate the traveling waves of reaction-diffusion system with Laplace transform	3 <sup>rd</sup> International Conference on Nonlinear Applied Analysis & Optimization ICNAAO-2023 <b>(Springer)</b>	International	(2023)