

# CURRICULUM VITAE

<b>SHRUTI</b>	<b>POSTAL ADDRESS:</b>
<b>Mobile:</b> +91-9988664334 <b>E-mail:</b> <a href="mailto:sharma_stary2k@yahoo.co.in">sharma_stary2k@yahoo.co.in</a>	# 51/1A Dashmesh Nagar Near Tikona Park, Street No. 4 Tripuri, Patiala -147001, Punjab INDIA

## EDUCATIONAL QUALIFICATION

Qualification	University/Board	Year of Qualifying Examination	Division
Ph.D. (Mathematics)	Thapar Institute of Engineering and Technology, Patiala	2021	
NET(CSIR)	UGC	2005	
M.Sc. (Mathematics)	Panjab University, Chandigarh	2005	First
B.Ed.	Panjab University, Chandigarh	2003	First
B.Sc. (Non-Medical)	Punjab University, Chandigarh	2002	First

## EMPLOYMENT DETAILS

Designation	Name of Organization	Duration / Tenure	Pay Scale
Assistant Professor	Yadawindra College of Engg., Talwandi Sabo	August 17, 2006-Till date.	Rs. 15600-39100 AGP= Rs. 6000
Lecturer	S.K.B.D.A.V Centenary Sen. Sec.School, Fazilka	July 2005 to July2006	Rs. 4500 (fixed)

## ORIENTATION / REFRESHER COURSES

Name of course	Duration	Name of institute
UGC Sponsored Orientation Programme	Aug 28-Sep. 24, 2009	UGC-Academic Staff College Panjab University, Chandigarh
UGC Sponsored	Nov 26-Dec. 16, 2010	UGC-Academic Staff College

Refresher Course		Panjab University, Chandigarh
UGC Sponsored Refresher Course	Nov 16-28, 2020	UGC-Human Resource Development Centre, Punjabi University, Patiala

## RESEARCH PAPERS

1. S. Sharma and M. Rana, Combinatorial Interpretations of Mock Theta Functions by Attaching Weights, *Discrete Mathematics*, **341** (2018), 1903-1914
2. S. Sharma and M. Rana, A new approach in interpreting some mock theta functions, *International Journal of Number Theory*, **15(7)** (2019), 1369-1383
3. S. Sharma and M. Rana, On mock theta functions and weight-attached Frobenius Partitions, *The Ramanujan Journal*, **50** (2019), 289-303
4. S. Sharma and M. Rana, Interpreting some fifth and sixth order mock theta functions by attaching weights, *Journal of The Ramanujan Mathematical Society*, **34(4)** (2019), 401-410
5. S. Sharma and M. Rana, Combinatorics of Third Order Mock Theta Function  $f(q)$  and Sixth Order Mock Theta Functions  $\phi(q)$ ,  $\psi(q)$ , *Journal of Ramanujan Society of Mathematics and Mathematical Sciences*, **7(1)** (2019), 31-36
6. V. Gupta, M. Rana and S. Sharma, On Weighted Signed Color Partitions, *Proceedings of Indian Academy of Sciences (Mathematical Sciences)*, **130** (10) (2020)
7. Meenakshi Rana and Shruti Sharma, Combinatorics of Some Fifth and Sixth Order Mock Theta Functions, *Electronic Research Archive*, **29(1)** (2021), 1803-1818
8. M. Rana and S. Sharma,  $n$ -Color Compositions and Lattice Paths of Agarwal-Bressoud, *Indian Journal of Pure and Applied Mathematics*, <https://doi.org/10.1007/s13226-021-00120-w>

## PAPERS PRESENTED IN CONFERENCES

1. **One Day National Seminar** on "Higher Education for Development & Role of Teachers" conducted by Bhartiya Shikshan Mandal in collaboration with General Shivdev Singh Diwan Gurbhachan Singh Khalsa College, Patiala on 16-07-2017  
Title: Higher Education and Its Challenges  
Shruti Sharma.
2. **International Conference** on "Special functions and Applications (ICSFA-2017)" organized by Department of Mathematics, Govt. college of Engineering and Technology, Bikaner, Rajasthan from 02-04 Nov, 2017.  
Title: Combinatorial Interpretations of Mock Theta Functions  $V_0(q)$  and  $V_1(q)$   
Shruti Sharma.
3. **84<sup>th</sup> Annual Conference of Indian Mathematical Society-An International Meet** organized by School of Mathematics, Shri Mata Vaishno Devi University, Katra, Jammu from 27-30 Nov, 2018.  
Title: Three way combinatorial interpretations of Rogers-Ramanujan Identities  
S. Sharma and M. Rana
4. **Conference** on Number Theory, Combinatorics and Special Functions, School of

Mathematics, Thapar Institute of Engineering and Technology, Patiala from 11-12 Oct, 2019.

Title: Interpreting sixth order mock theta functions  $\phi(q)$  and  $\psi(q)$

Shruti Sharma

- 5. National Seminar** on Emerging Trends and Innovations in Mathematics, PG Department of Mathematics, Mehar Chand Mahajan DAV College for Women, Chandigarh on 09-02-2019.

Title: Combinatorial study of eighth order mock theta functions of Gordon and McIntosh

Shruti Sharma

## **MEMBERSHIP OF SOCIETIES**

1. Life member of **Indian Mathematical Society**.

## **PERSONAL DETAILS**

Father's Name: Mr. Roshan Lal Sharma

Mother's Name: Mrs. Indira Goswamy

D.O.B: February 13, 1982

Sex: Female

Category: General

Nationality: Indian

Marital status: Married