

## Curriculum Vitae (CV)

Title	Dr.	First Name	Anju	Last Name	Kumari	Photograph
Designation	Assistant Professor					
Department	Mathematics					
Address (Campus)	Shyama Prasad Mukherji College for Women, West Punjabi Bagh, Punjabi Bagh, Delhi, 110026					
Phone Number(Campus)	9990684811					
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Email	<a href="mailto:anju@spm.du.ac.in">anju@spm.du.ac.in</a>					
Education	Ph.D.					
Subject	Institution		Details			
Ph.D(Mathematics)	University of Delhi		Area of Research: Algebraic Topology, Year: 2024			
M.Phil(Mathematics )	University of Delhi		Area of Research: Algebraic Topology, Year: 2017			
M.Sc(Mathematics)	University of Delhi		Hindu College, Year: 2014			
B.Sc(Hons.)Mathematics	University of Delhi		Maitreyi College, Year: 2012			
Research Interests/ Specialization						
Algebraic Topology						
Teaching Experience						

1 Year

**Publications:**

**Research Papers in Journals:**

1. A. Kumari and H. K. Singh, Fixed point free actions of spheres and equivariant maps, Topology and its Applications, 305 (2022), Paper No. 107886, 14 pp. MR4335843, ISSN (Print): 0166-8641.
2. A. Kumari and H. K. Singh, Cohomology classification of spaces with free  $S^1$  and  $S^3$ -actions, Filomat, 36 (2022), no. 20, 7021--7026. MR4563057, ISSN (Print): 0354-5180.
3. A. Kumari and H. K. Singh, Finitistic Spaces with the orbit space  $FP^n \times S^m$ , arXiv:2306.03738, (accepted for publication in Journal of Algebra and Its Applications).
4. A. Kumari and H. K. Singh, Finitistic spaces with orbit space a product of projective spaces, arXiv:2306.03724 (accepted for publication in Journal of Indian Mathematical Society).

**Participation in International Conferences/Workshops:**

1. AIS entitled "Differential Topology" at NEHU, Shillong from 2-21 July 2018.
2. ATMW entitled "Characteristic classes and Cobordism" at IIT Bombay during 4-15 March 2019.
3. AIS entitled "Homotopy theory" at ISI Kolkata from 13-25th May 2019.
4. ATMW entitled "Sheaf theory, Sheaf cohomology, and Spectral Sequences" at Department of Mathematics, University of Delhi from 18-30th November 2019.
5. Paper presentation entitled "Index of free  $S^1$  and  $S^3$  spaces and equivariant maps" in the 87<sup>th</sup> annual conference of the Indian Mathematical Society held at MGM University, Aurangabad from 4-7th December 2021
6. Paper presentation entitled "Index and Orbit space of product of spheres equipped with free  $S^d$ -action, where  $d=1$  or  $3$ " in the International Conference on "Recent trends in Mathematics" held at Department of Mathematics, Hansraj College, University of Delhi during 22-24th December 2021.
7. Completed online Faculty Induction/Orientation Programme for "Faculty in Universities/ Colleges/Institutes of Higher Education" from 27 March – 23 April 2024 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.

**Innovative Projects:** JRF in DST-SERB Project

**Awards/Recognition:**

**Other Responsibilities:**