

Curriculum Vitae (CV)

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 87th 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: