

Name of the Faculty member: Dr. Swati Sidana



Designation: Assistant Professor

Department name: Mathematics

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Areas of Interest

- Abstract Algebra

Educational details

Degree	Year	University	Percent age	Medals/ Positions
Ph.D.	2015	Indian Institute of Technology (IIT) Delhi		
M.Sc. (Hons. School) Mathematics	2010	Department of Mathematics, Panjab University, Chandigarh	90.5 %	Gold Medal / 1 st
B.Sc. Vocational	2008	MCM DAV College for Women, Sec-36A, Chandigarh	84.4%	1 st in College

Professional Details

Designation	From	To	Organization
Assistant Professor	January 2015	June 2015	Dr. B. R. Ambedkar National Institute of Technology, Jalandhar
Assistant Professor	July 2015	Present	MCM DAV college for Women, Sec 36-A, Chandigarh

Awards & Recognitions

Award	Institute	Year
Gold medal in M.Sc. (H.S.) Mathematics.	Panjab University	2010
Prof. Hans Raj Gupta Memorial Silver medal for best graduate student of M.Sc. (H.S.) Mathematics	Panjab University	2010
Got M. L. Baweja Award in College for standing 1st in B.Sc.	MCM DAV college for Women, Sec 36-A, Chandigarh	2008

Research Publications

Title	Journal	Refereed	Date and Year of Publication	Online Link
The unit loop of finite loop algebras of loops of order 32	Beiträge zur Algebra und Geometrie	Yes	11 th Sept 2013	https://link.springer.com/article/10.1007%2Fs13366-013-0166-2
Finite Loop Algebras Of RA Loops Of Order 64	Acta Mathematica Academiae Paedagogicae Nyregyhaziensis	Yes	2014	https://www.emis.de/journals/AMAPN/vol30/3.html

Finite Semisimple Loop Algebras of Indecomposable RA Loops	Canadian Mathematical Bulletin	Yes	12 th Mar 2015	https://cms.math.ca/10.4153/CMB-2014-056-1?abfmt=ltx
Finite loop algebras of RA2 loops	Acta Scientiarum Mathematicarum	Yes	18 th May 2016	http://pub.acta.hu/acta/showCustomerArticle.action?id=43649&dataObjecttype=article&returnAction=showCustomerVolume&sessionDataSetId=758d46fdcc8bfbec&style=
Units in finite loop algebras of $\$RA2\$$ loops	Asian-European Journal of Mathematics	Yes	26 th Oct 2015	https://www.worldscientific.com/doi/abs/10.1142/S1793557116500261
On Units In Loop Algebra $F[M(Dih(C2p); 2)]$	Beiträge zur Algebra und Geometrie	Yes	14 th June 2017	https://link.springer.com/article/10.1007%2Fs13366-017-0345-7
On The Finite Loop Algebra $\$F[M(C_p^m \times C_{2,2})]\$$	Quasigroups and Related Systems	Yes	December 2022	http://www.quasigroups.eu/contents/download/2022/30_28.pdf

Miscellaneous

- Qualified CSIR-LS December-2009.
- Qualified GATE-2010 (All India Rank 79).
- Qualified CSIR-JRF June-2010 (All India Rank 94).
- Qualified CSIR-JRF December-2010 (All India Rank 49).
- NANUM 2014 Travel Grant for attending International Congress of Mathematicians (ICM 2014), Seoul, Korea.
- Coordinator of National Seminar on 'Emerging Trends and innovations in Mathematics', Sponsored by DCDC, Panjab University and organized by PG Dept of Mathematics, Mehr Chand Mahajan DAV College, Sector 36A, Chandigarh.
- Delivered a lecture on the topic 'Microsoft Excel' in an online workshop organized by PG Dept of Mathematics, Mehr Chand Mahajan DAV College, Sector 36A, Chandigarh on 1st August 2020.
- Delivered a lecture in National webinar organized by Government Degree College GDC Kanda, Bageshwar, Uttarakhand on the topic 'Career Opportunities in the field of Mathematics' on 10th December 2021.
- Resource Person for workshop on 'Excel made Easy' for teaching faculty organized by UGC Affairs Committee under the aegis of IQAC at Mehr Chand Mahajan DAV College for Women, Sector 36 A, Chandigarh on 10th Feb 2022.
- Judged the event Poster Competition at PGGCG-42 in Science Festival 'Vigyan Sarvatra Pujyate' on 24th February 2022.
- Delivered a lecture in workshop on 'Excel with Microsoft Excel' organized by PG Dept of Mathematics, Mehr Chand Mahajan DAV College, Sector 36A, Chandigarh on 11th May 2022.