Faculty Details Proforma for Website

Name	Dr. Geetika Khunger	Photograph
Designation & Department	Assistant Professor, Department of Mathematics	
Date of Joining the institution	Adhoc 13-01-2020 Permanent 04-09-2023	
Date of Birth	02-04-1980	
Address		
Phone No Office		
Residence		
Mobile	9910228099	
Email Address	geetikakhunger.a@sgndkc.du.ac.in	

Educational Qualifications		
Degree	Institution	Year
Ph.D.	Department of Mathematics, Panjab University, Chandigarh	2008
M.Sc(Mathematics)	Department of Mathematics, Panjab University, Chandigarh	2002
B.A.	Gopichand Arya Mahila College, Panjab University, Chandigarh	2000
NET-JRF Qualified	CSIR	2002

Administrative Assignments

- Convenor, Department of Mathematics (2025-26)
- Convenor, Mathematical Society-Asankh(2025-26)
- Member, Divinity Society (2025-26)
- Co-convenor, Divinity Society (2024-25)
- Co-convenor, Mathematical Society-Asankh (2022-2023, 2023-2024, 2024-25)
- Member, Student Welfare Committee (2023-2024, 2024-25)
- Member, North East Committee (2021-2024, 2024-25)
- Member, Surlok and Orientation Committee (2022-2024)
- Executive Member, Staff Association (2024-2025, 2025-2026)
- Member of IQAC team in Criteria 7 (2024-25)
- Formerly Member of IQAC team in Criteria 3 (2022-23)
- Formerly Member of IQAC team in Criteria 5 (2023-24)

- **Formerly Member of Admission Committee in various colleges**
- **Formerly Member of Examination Committee in Kalindi College**
- **Formerly Member of Yoga Club in Bhaskaracharya college of Applied Sciences**

Areas of Interest / Specialization

Partition Theory

Subjects Taught

- **Mathematical Statistics**
- **Differential Equations**
- **Calculus**
- **Real Analysis**
- **Probability and Statistics**
- **Algebra**
- **Number Theory**
- **General Mathematics**
- **Mathematica and Statistical Software: R**
- **Latex**
- **Multivariate Calculus**
- **Business Mathematics**
- **Linear Programming Problem and its Applications**
- **Transportation Problems**
- **Numerical Analysis**
- **Partial Differential Equations**
- **Computer Algebra System**
- **Vedic Mathematics-1**

Research Guidance

Publications Profile (Articles/ Books Published/ Books Edited)

- **A. K. Agarwal and Geetika Narang, "Rogers-Ramanujan Identities for F-partitions", South East Asian J. Math. & Math. Sc. Vol.3 No.1 (2004), pp.23-31. (ISSN 0972-7752).**

- **Geetika Narang and A. K. Agarwal, "n-Colour Self-inverse Compositions" Proc. Indian Acad. Sci. (Math. Sci.) Vol. 116, No.3, August 2006, pp. 257-266. (ISSN 0253-4142).**

- **Geetika Narang and A. K. Agarwal, "Lattice Paths and n-Colour Compositions", Discrete Mathematics, Vol. 308, No.9, May 2008, pp.1732-1740. (ISSN 0012-365X).**

- **Geetika Narang and A. K. Agarwal, "Some Combinatorial properties of n-Colour Compositions" South East Asian J. Math. and Math. Sc. Vol.6, No.2 (2008), pp.37-43. (ISSN 0972-7752).**

- **A. K. Agarwal and Geetika Narang, "Generalized Frobenius Partitions and mock-Theta functions", ARS Combinatoria, 99(2011), pp. 439-444. (ISSN 0381-7032).**

- **Meena Baweja and Geetika Khunger, "Ideal Retirement Portfolio", International Journal of Agricultural Statistical Science, Vol. 18, Supplement 1, pp. 1069-1077, 2022 (ISSN 0973-1903, e-ISSN 0976-3392)**

Conference Organized

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions

Won second prize for presenting research paper in 1st Chandigarh Science Congress held at Panjab University, Chandigarh on March 10-11, 2007.

Won I.M.S. Prize for the year 2004 for presenting the best research paper entitled "n- Colour Self-inverse Compositions" in Number Theory at the 70th Annual Conference of the Indian Mathematical Society during Dec. 26-29, 2004.

Got appreciation certificate for working as a volunteer in the section of Mathematical Sciences during the 91st Session of Indian Science Congress Association held at Panjab University, Chandigarh from January 3-7, 2004.

CSIR Research Fellow from August 2003 to July 2007.

Fourth Position (in order of Merit) in B.A. Examination in Panjab University, Chandigarh.

Merit holder in Senior Secondary Examination in April 1997.

National Scholarship holder in Matric Examination in March 1995.

Association With Professional Bodies

Seminars/Webinars/Conferences /Workshops Attended

Presented the research paper in 1st Chandigarh Science Congress held during 10-11 March, 2007.

Presented the research paper in International Conference on 'Special Functions and their Applications' held during 21-23 February, 2006.

Presented the research paper at 70th Annual Conference of the Indian Mathematical Society held during 26-29 December, 2004.

Participated in International Webinar on '*Recent Trends in Mathematical Sciences'* organized by IQAC of Hans Raj Mahila Maha Vidyalaya, Jalandhar (Punjab) held on July 28 ,2020.

Participated in National Webinar on '*Fractals and Its Applications in Real Life'* organized by Department of Mathematics and IQAC of Deshbandhu College, University of Delhi held on August 25, 2020.

Participated in National Webinar on '*Introduction to Wolfram Mathematica'* organized by Department of Mathematics and IQAC of Deshbandhu College, University of Delhi held on September 7, 2020.

Participated in National Webinar on *'Life with/without Mathematics'* organized by Department of Mathematics of Acharya Narendra Dev Kisan P.G. College, Gonda (U.P) held on September 25, 2020.

Participated in International Webinar on '*A Journey from integers to Rings'* organized by Department of Mathematics and IQAC of Deshbandhu College, University of Delhi, held on October 13, 2020.

Participated in the First National Conference on '*Application of Mathematical Tools in Social Sciences and Sciences (Online)*' organized by Zakir Husain Delhi College, University of Delhi held on October 17-18, 2020.

Participated in the National Webinar on '*Some Applications of Linear Algebra in Computer Sciences*' organized by Department of Mathematics and IQAC of Deshbandhu College, University of Delhi, held on March 5, 2021.

Participated in Course workshop on "Vedic Mathematics-I" organised by Value Addition Course Committee (University of Delhi) in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi on 19th October, 2022

Participated in two Days "Enrichment Workshop for College Teachers" during Aug2, 2025 and Aug 4, 2025 organized by the Department of Mathematics.

Other Activities (FDP's/Refresher Course)

Successfully completed two weeks Refresher Course in Vedic Mathematics "Foundation Course in Vedic Mathematics" organized by Teaching Learning Centre Ramanujan College, University of Delhi under the aegis of Ministry of Education Malaviya Mission Teacher Training Programme during 31 March-13 April, 2024 and obtained Grade A+.

Participated in 3 Day Faculty Development Program on "Presentation Skills in a Class Room" conducted by ICT Academy on 8 Jan 2024 to 10 Jan 2024 at Sri Guru Nanak Dev Khalsa College, University of Delhi.

Successfully completed a 4-week Faculty Induction/Orientation Programme for " Faculty in Universities/Colleges/Institutes of Higher Education" organized by Teaching Learning Centre Ramanujan College, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya Mission on Teachers and Teaching from 20 September-19 October, 2023 and obtained Grade A+.

Successfully completed fifteen days (Online) National Refresher Course jointly organised by University of Delhi and Guru Agad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malayiva National Mission of Teachers and teaching of Ministry

of Education on "Python: Essentials, Programming and Analytics & Statistics with 'R', Financial Database and Analysis Software" (27th October-11th November, 2022) and obtained Grade A+.

□ Successfully completed Two weeks (Online) Interdisplinary Faculty Deveopment Programme on "Indic-Centric Research in Higher Education and the New Education Policy" (8th Sept-21st Sept,2022) organised by IQAC, Sri Guru Nanak Dev College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre

□ Successfully completed One week (Online) National Faculty Deveopment Programme jointly organised by Guru Agad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malayiva National Mission of Teachers and teaching of Ministry of Education and Sri Guru Nanak Dev Khalsa College on "The Road Ahead:NEP and Pedagogies" (1st April-5th April, 2021) and obtained Grade A+..

□ Successfully completed One week (Online) Interdisplinary Faculty Deveopment Programme on "Applications of Mathematics in Business and Social Sciences" (18th March-24th March,2021) organised by Miranda House,University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre.

□ Successfully completed Two weeks (Online) Refresher Course in "Mathematics " (16th March-30th March,2021) organised by Ramanujan College, University of Delhi (under the aegis of Ministry of Education Pandit Madan Mohan Malayiva National Mission of Teachers and teaching collaboration with Mahatma Hansraj Faculty Development Centre) and obtained Grade A+.

Past experience (If any, Give details)

Teaching Experience (14+ years)

- **SGND Khalsa College**
- **Mata Sundri College**
- **Ramjas College**
- **SRCC**
- **Maitreyi College**
- **Kalindi College**
- **Bhaskaracharya College of Applied Sciences**