



# Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

(Phone No. - 011-7121 9084 : Email - principal@kmc.du.ac.in)



Print Date : 03-04-2026

## 1. Personal Profile

Title: **Dr.** First Name: **ABDUL GAFFAR** Last Name: **KHAN**

Designation: **ASSISTANT PROFESSOR** Mobile No. -----

Phone No. (Office) **9711075787** Phone No. (Residence): -----

Email: [agkhan@kmc.du.ac.in](mailto:agkhan@kmc.du.ac.in) Webpage: **For further details copy-paste this link as well: <https://sites.google.com/view/agkhan/home>**

Facebook: <https://www.facebook.com/gaffu.Khan18> Twitter: -----

LinkedIn: <https://www.linkedin.com/in/abdul-gaffar-khan-8214a766/> Instagram: -----

Youtube: ----- Research Gate Link: <https://www.researchgate.net/profile/Abdul-Gaffar-Khan>

Google Scholar Link: <https://scholar.google.com/citations?user=UTbtY74AAAAJ&hl=en&oi=sra>

Address: -----



## 2. Educational Qualifications

Degree/ Certification	Institution	Year
Doctor of Philosophy in Mathematics	University of Delhi	2022
Certificate of Proficiency in Portuguese	English and Foreign Languages University	2021
Master of Science (Mathematics)	Hindu College, University of Delhi	2016
Bachelor of Science Honours (Mathematics)	Deshbandhu College, University of Delhi	2014
Higher Secondary (Science Stream)	Rajkiya Pratibha Vikas Vidyalaly, Lodi Road, Delhi	2011
Matriculation	Rajkiya Pratibha Vikas Vidyalaly, Lodi Road, Delhi	2009
Matlab	Delhi University Computer Centre, University of Delhi	2015
PHP-MySQL	Delhi University Computer Centre, University of Delhi	2015
Certificate	English and Foreign Languages University, Hyderabad	2021

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
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CAREER PROFILE	ASSISTANT PROFESSOR	MATHEMATICS KIRORI MAL COLLEGE, DELHI	08.Sep.2022 - 17.May.2024	
CAREER PROFILE	ASSISTANT PROFESSOR	MATHEMATICS HINDU COLLEGE, DELHI	31.Jan.2022 - 02.Jun.2022	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	COORDINATING COMMITTEE FOR INFORMATION AND TECHNOLOGY KIRORI MAL COLLEGE, DELHI	01.Jul.2023 - 17.May.2024	
ADMINISTRATIVE ASSIGNMENTS	REPRESENTATIVE	WORKLOAD COMMITTEE KIRORI MAL COLLEGE, DELHI	01.Jul.2023 - 17.May.2024	One of the representatives for the Department of Mathematics of Kirori Mal College
ADMINISTRATIVE ASSIGNMENTS	MEMBER	TIME TABLE COMMITTEE KIRORI MAL COLLEGE, DELHI	01.Jul.2023 - 17.May.2024	
ADMINISTRATIVE ASSIGNMENTS	IN-CHARGE	MATHEMATICS KIRORI MAL COLLEGE, DELHI	01.Jul.2023 - 17.May.2024	For admissions of B.Sc.(H) and M.Sc. Mathematics degrees
ADMINISTRATIVE ASSIGNMENTS	IN-CHARGE	MATHEMATICS KIRORI MAL COLLEGE, DELHI	01.Jul.2023 - 17.May.2024	For the staff room of the Department of Mathematics, Room 109
CAREER PROFILE	CONVENER	MATHEMATICS UNIVERSITY OF DELHI, DELHI	08.Sep.2022 - Till date	For conducting examinations of undergraduate level in different occasions as examiner
ADMINISTRATIVE ASSIGNMENTS	MEMBER	COMMITTEE FOR COMMON COURSES Kirori Mal College University of Delhi	20.Sep.2023 - 17.May.2024	
ADMINISTRATIVE ASSIGNMENTS	ASSISTANT PROFESSOR	SYLLABUS FORMATION COMMITTEE Department of Mathematics, University of Delhi	01.Jul.2023 - 30.Jun.2024	
CAREER PROFILE	POST DOCTORATE	OTHERS University Centre of Excellence "Dynamics, Mathematical Analysis and Artificial Intelligence", Nicolaus Copernicus University	15.Jan.2024 - 14.Jan.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	PORTAL COMMITTEE Kirori Mal College	17.May.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	TIME TABLE COMMITTEE Kirori Mal College	17.May.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	NEW PENSION SCHEME COMMITTEE Kirori Mal College	17.May.2025 - Till date	
CAREER PROFILE	MEMBER	COORDINATING COMMITTEE FOR INFORMATION AND TECHNOLOGY Kirori Mal College	15.Jan.2025 - Till date	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	GYM COMMITTEE Kirori Mal College	17.May.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	TIME TABLE COMMITTEE Department of Mathematics, Kirori Mal College	15.May.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	MATHEMATICS Staff Advisor, Tensors, Kirori Mal College	15.May.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	COORDINATING COMMITTEE FOR INFORMATION AND TECHNOLOGY Kirori Mal College	15.Jan.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	MATHEMATICS University of Delhi	01.Jul.2024 - 30.Jun.2025	Syllabus formation committee of B.Sc.(H) Mathematics - Semester VII - Dynamical Systems - DSE (3+1) under NEP-UGCFC 2022

#### 4. Other Profiles

##### Other Profile Name/ Description

##### SUBJECTS TAUGHT

###### 1. Tutor

Postgraduate level: Field Theory and Galois Extension, Simplicial Homology Theory, Theory of Bounded Operators, Topology, Topological Dynamics

###### 2. Assistant Professor:

Undergraduate level: Abstract Algebra, Calculus and Geometry, Differential Equations, Linear Algebra, Number Theory, Probability and Statistics.

##### AREAS OF INTEREST/ SPECIALIZATION

Dynamical Systems and Ergodic Theory, Topological Dynamics, General Topology.

##### RESEARCH COLLABORATIONS

Ongoing collaborations with researchers from **Brazil** and **Republic of Korea (South Korea)**

##### SYLLABUS FORMATION

Syllabus formation committee for two of the subjects to be offered under UGC-NEP framework in the colleges of the University of Delhi.

##### MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

1. Life Member of "The Indian Mathematical Society". Membership ID: LJ/2019/170.
2. Graduate Student Member of "American Mathematical Society" from 01/01/2020 to 31/12/2020. Membership ID: KHABGA.?

#### 5. Research Guidance

Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status
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## 6. Research Projects

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction
2024	Postdoctoral Fellowship: Classification problems of topological dynamical systems with special emphasis on chaotic, entropy and expansivity properties	Nicolaus Copernicus University	1 year	125000 PLN	14.Oct.2023
2024	On consequences of expansivity and shadowing via asymptotic behavior	Institution of Eminence, University of Delhi	1 year	500000 INR	30.Aug.2024
2025	Topological stability of compactly generated group actions from pointwise viewpoint	National Board For Higher Mathematics, Department of Atomic Energy, India -	3 years	3,60,000 INR	31.Jan.2025

## 7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link
JOURNAL PAPER (International)	Topologically stable and persistent points of group actions	Mathematica Scandinavica	A.G. Khan and T. Das (First Author)	<a href="https://www.msccand.dk/article/view/134098">https://www.msccand.dk/article/view/134098</a>
JOURNAL PAPER (International)	Persistence and cw-topological stability for set-valued maps	Houston Journal of Mathematics	R. Kumar, A.G. Khan and T. Das (Joint Author)	To be allotted
JOURNAL PAPER (International)	Stability theorems in pointwise dynamics	Topology and its Applications	A.G. Khan and T. Das (First Author)	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0166864122002206?v">https://www.sciencedirect.com/science/article/abs/pii/S0166864122002206?v</a>
JOURNAL PAPER (International)	Sequential shadowing implies spectral decomposition for group actions	Topology Proceedings	A.G. Khan, P.K. Das and T. Das (First Author)	<a href="http://topology.nipissingu.ca/tp/reprints/v60/tp60013p1.pdf">http://topology.nipissingu.ca/tp/reprints/v60/tp60013p1.pdf</a>
JOURNAL PAPER (International)	Average shadowing and persistence in pointwise dynamics	Topology and its Applications	A.G. Khan and T. Das (First Author)	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0166864121000407?v">https://www.sciencedirect.com/science/article/abs/pii/S0166864121000407?v</a>

JOURNAL PAPER (International)	Topologically stable equicontinuous non-autonomous systems	Filomat	A.G. Khan, P.K. Das and T. Das (First Author)	<a href="https://doi.org/10.2298/FIL2111721K">https://doi.org/10.2298/FIL2111721K</a>
JOURNAL PAPER (International)	Persistence and expansivity through pointwise dynamics	Dynamical Systems: An International Journal	A.G. Khan and T. Das (First Author)	<a href="https://www.tandfonline.com/doi/full/10.1080/14689367.2020.1825628">https://www.tandfonline.com/doi/full/10.1080/14689367.2020.1825628</a>
JOURNAL PAPER (International)	Pointwise dynamics under orbital convergence	Bulletin of the Brazilian Mathematical Society, New Series	A.G. Khan, P.K. Das and T. Das (First Author)	<a href="https://link.springer.com/article/10.1007/s00574-019-00178-5">https://link.springer.com/article/10.1007/s00574-019-00178-5</a>
JOURNAL PAPER (International)	Measure expansivity and specification for pointwise dynamics	Bulletin of the Brazilian Mathematical Society, New Series	P.K. Das, A.G. Khan and T. Das (Joint Author)	<a href="https://link.springer.com/article/10.1007/s00574-019-00134-3">https://link.springer.com/article/10.1007/s00574-019-00134-3</a>
JOURNAL PAPER (International)	Bi-asymptotic c-expansivity	Journal of Mathematical Analysis and Applications	Rohit Nageshwar, Abdul Gaffar Khan, Tarun Das (Joint Author)	<a href="https://doi.org/10.1016/j.jmaa.2023.127955">https://doi.org/10.1016/j.jmaa.2023.127955</a>
JOURNAL PAPER (International)	Persistent properties from the Gromov-Hausdorff viewpoint	Proceedings of the Edinburgh Mathematical Society	Abdul Gaffar Khan, Carlos Arnoldo Morales, Tarun Das (First Author)	<a href="https://www.cambridge.org/core/journals/proceedings-of-the-edinburgh-mathematical-society/article/persistent-properties-from-the-gromovhausdorff-viewpoint/DE7AA4D0B69FA464BFC6DFCEB5F91265">https://www.cambridge.org/core/journals/proceedings-of-the-edinburgh-mathematical-society/article/persistent-properties-from-the-gromovhausdorff-viewpoint/DE7AA4D0B69FA464BFC6DFCEB5F91265</a>
JOURNAL PAPER (International)	Weak forms of shadowing and stability for set-valued maps	Topology and its Applications	Abdul Gaffar Khan, Ramesh Kumar, Tarun Das (First Author)	<a href="https://www.sciencedirect.com/science/article/pii/S0166864124003675">https://www.sciencedirect.com/science/article/pii/S0166864124003675</a>

## 8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number
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## 9. Faculty Achievements

Year	Category of Achievement	Role	National/ International etc.	Name	Date From-To
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	POST DOCTORATE	International	Wandering seminar – B-free systems and generalizations	06.Jun.2024 - 09.Jun.2024
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	INVITED SPEAKER	International	Academic visit and invited seminar	14.Apr.2024 - 26.Apr.2024
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	SPEAKER	International	38th Summer Conference on Topology and its Applications	08.Jul.2024 - 12.Jul.2024
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	INVITED SPEAKER	International	Seminar of the Department of Ergodic Theory and Dynamical Systems	21.May.2024 - 21.May.2024
2024	NATIONAL/ INTERNATIONAL FELLOWSHIPS (IOE, FRSC, etc.) ATTENDED	POST DOCTORATE	International	Postdoctoral Fellowship Grant	16.Jan.2024 - 15.Jan.2025
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	SPEAKER	International	Conference on “Dynamics and Number Theory”	27.May.2024 - 31.May.2024
2025	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PARTICIPANT	International	Wandering Seminar in Dynamical Systems 2024	10.Oct.2024 - 12.Oct.2024
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	INVITED SPEAKER	International	Seminar of the Department of Ergodic Theory and Dynamical Systems	30.Jan.2024 - 30.Jan.2024

2023	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	ASSISTANT PROFESSOR	International	IBEROAMERICAN AND PAN PACIFIC INTERNATIONAL CONFERENCE ON TOPOLOGY AND ITS APPLICATIONS	11.Sep.2023 - 14.Sep.2023
2023	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	ASSISTANT PROFESSOR	International	The 37th Summer Conference on Topology and its Applications	17.Jul.2023 - 21.Jul.2023
2023	FACULTY INDUCTION PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	Faculty in Universities/Colleges/Institutes of Higher Education	20.Jan.2023 - 18.Feb.2023
2022	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	ASSISTANT PROFESSOR	International	Ergodic Theory and Dynamical Systems	05.Dec.2022 - 16.Dec.2022
2022	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	ASSISTANT PROFESSOR	International	Seminar on Dynamical Systems	21.Mar.2022 - 21.Mar.2022
2022	REFRESHER COURSE ATTENDED	ASSISTANT PROFESSOR	National	Back end, Front end Web design Development and App development using Flutter Business Intelligence and Data Visualization	27.Oct.2022 - 11.Nov.2022
2021	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	MEMBER	International	54th Spring Topology and Dynamics Conference	12.May.2021 - 15.May.2021

**Dr. ABDUL GAFFAR KHAN**