



# Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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



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## 1. Personal Profile

Title: **Prof.** First Name: **ALKA** Last Name: **SABHARWAL**

Designation: **PROFESSOR** Mobile No. **9311589805**

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Facebook: ----- Twitter: -----

LinkedIn: ----- Instagram: -----

Youtube: ----- Research Gate Link: <https://www.researchgate.net/profile/Alka-Sabharwal-2>

Google Scholar Link:

[https://scholar.google.com/scholar?hl=en&as\\_sdt=0%2C5&q=Alka%20Sabharwal&oq=Alka](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Alka%20Sabharwal&oq=Alka)

Address: **F-302, 3RD FLOOR, MANSAROVER GARDEN, NEW DELHI, DELHI-110015**

## 2. Educational Qualifications

Degree/ Certification	Institution	Year
Doctorate of Philosophy	Department of Statistics, University Of Delhi	2012
Masters in Philosophy	Department of Statistics, University of Delhi	1991
M. A. Mathematical Statistics	Hindu College University of Delhi	1987
B.A (HONS) Statistics	Hindu College, University of Delhi	1985
M. A ( Mathematical Statistics)	University of Delhi	1987
B.A(Hons) Mathematical Statistics	Hindu College, University of Delhi	1985

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
CAREER PROFILE	PROFESSOR	STATISTICS KIRORI MAL COLLEGE, DELHI	30.Sep.2018 - Till date	

CAREER PROFILE	ASSOCIATE PROFESSOR	STATISTICS KIRORI MAL COLLEGE, DELHI	08.Aug.2006 - 30.Jun.2018	
ADMINISTRATIVE ASSIGNMENTS	PROFESSOR	STATISTICS Department of Statistics, University of Delhi	15.Feb.2021 - Till date	Member of research advisory committee Started in 2019- till date
ADMINISTRATIVE ASSIGNMENTS	MEMBER	GARDEN COMMITTEE KIRORI MAL COLLEGE, DELHI	30.Apr.2023 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	PROVIDENT FUND COMMITTEE KIRORI MAL COLLEGE, DELHI	01.Jul.2021 - Till date	

#### 4. Other Profiles

##### Other Profile Name/ Description

##### SUBJECTS TAUGHT

Odd Semester Paper	Even Semester Paper
1. Stochastic Processes and Queuing theory (C-501)- (Theory+ Practical) 2. Descriptive Statistics (C-101) (Practical) 3. Calculus ( Half Paper) 4. Econometrics (Practicals)	1. Statistical Data Analysis using R (SEC-II)- (Theory+ Practical.) 2. Survival Analysis and Biostatistics (Theory and Practical)

##### AREAS OF INTEREST/ SPECIALIZATION

Odd Semester Paper	Even Semester Paper
1. Stochastic Processes and Queuing theory (C-501)- (Theory+ Practical) 2. Descriptive Statistics (C-101) (Practical) 3. Calculus ( Half Paper) 4. Econometrics (Practicals) 5. Ph.D. course work, Biostatistics (2021-22)	1. Statistical Data Analysis using R (SEC-II)- (Theory+ Practical.) 2. Survival Analysis and Biostatistics (Theory and Practical)

#### 5. Research Guidance

Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status
2020	Ph. D.	STATISTICAL MODELING FOR THE PROGRESSION OF CHRONIC KIDNEY DISEASE IN THE PRESENCE OF PROGNOSTIC FACTORS	Shrawan Kumar	Awarded
2021	Ph. D.	QUANTIFYING DIFFERENT ASPECTS OF MENTAL DISORDERS THROUGH STATISTICAL MODELLING	Sakshi Kaushik	Awarded
2021	Ph. D.	Psychological Disturbances Among Adolescent Offspring of Psychologically Disturbed Parents	K. E. Sadanandan Unni	Awarded
2023	Ph. D.	----	Lalit Mohan Joshi	Pursuing
2023	Ph. D.	----	Vinit Singh	Pursuing

## 6. Research Projects

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction
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## 7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link
JOURNAL PAPER (International)	An application of ordinal regression to extract social dysfunction levels through behavioral problems,	AIMS Public Health,	Alka Sabharwal, Babita Goyal, and Lalit Mohan Joshi (First Author)	10.3934/publichealth.2023041
JOURNAL PAPER (International)	Psychological health of Indian youth during COVID-19: a study through three chronological surveys, Vol. 12, No. 2, pp. 752-763	International Journal of Public Health Science (IJPHS)	Babita Goyal, Alka Sabharwal, Vibha Chauhan, Lalit Mohan Joshi (Corresponding Author)	10.11591/ijphs.v12i2.22420
JOURNAL PAPER (International)	Evaluating the effect of COVID-19 pandemic on the psychological health of young adults in India	International Journal of Public Health Science (IJPHS)	Alka Sabharwal, Babita Goyal, Vibha S. Chauhan, Lalit Mohan Joshi, Vaibhav Goyal (First Author)	10.11591/ijphs.v12i1.21527
JOURNAL PAPER (International)	Personality and achievement: A follow-up study	Industrial Psychiatry Journal	Srivastva R, Sabharwal A, Agrawal A, Anita, Vershney H, Srivastava Y. (Joint Author)	10.4103/ipj.ipj_57_21
JOURNAL PAPER (International)	Comparison of Diabetic Nephropathy Onset of two Groups with Left truncated and Right Censored Data	Statistics in Transition, New Seires	Alka Sabharwal, Gurprit Grover (First Author)	10.21307/stattran-2018-029

JOURNAL PAPER (International)	On the estimation of misclassification probabilities of chronic kidney disease using continuous time hidden Markov models	Journal of Nephropharmacology	Grover, G., Sabharwal, A., Kumar, S., & Thakur, A. K. (Joint Author)	10.15171/npj/2019.07
JOURNAL PAPER (International)	Extracting relevant predictors of the severity of mental illnesses from clinical information using regularization regression models	STATISTICS IN TRANSITION new series	Sakshi Kaushik, Alka Sabharwal, Gurprit Grover (Joint Author)	10.2478/stattrans-2022-0020
JOURNAL PAPER (International)	Extracting relevant predictors of the severity of mental illnesses from clinical information using regularization regression models	STATISTICS IN TRANSITION new series	Sakshi Kaushik, Alka Sabharwal, Gurprit Grover (Joint Author)	10.2478/stattrans-2022-0020
JOURNAL PAPER (International)	PREDICTION OF INTER EPISODIC TIME FOR RECURRING MENTAL ILLNESS USING ORDER STATISTICS	Malaysian Journal of Public Health Medicine	Alka Sabharwal, Sakshi Kaushik, Gurprit Grover (First Author)	<a href="https://doi.org/10.37268/mjphm/vol.21/no.2/art.720">https://doi.org/10.37268/mjphm/vol.21/no.2/art.720</a>
JOURNAL PAPER (International)	A Double Truncated Binomial Model to Assess Psychiatric Health through Brief Psychiatric Rating Scale: When is Intervention Useful?	International Journal of Statistics in Medical Research	Alka Sabharwal, Babita Goyal and Vinit Singh (First Author)	<a href="https://doi.org/10.6000/1929-6029.2024.13.01">https://doi.org/10.6000/1929-6029.2024.13.01</a>

JOURNAL PAPER (International)	A Study to Assess the Psychological Health of Young Adults through Quantile Regression and Quantile Regression Neural Network Models.	African Journal of Biological Sciences	Alka Sabharwal, Babita Goyal & Lalit Mohan Joshi (First Author)	10.33472/AFJBS.6.9.2024.4693-4708
JOURNAL PAPER (International)	A Double Truncated Binomial Model to Assess Psychiatric Health through Brief Psychiatric Rating Scale: When is Intervention Useful?	International Journal of Statistics in Medical Research	Alka Sabharwal, Babita Goyal and Vinit Singh (First Author)	<a href="https://doi.org/10.6000/1929-6029.2024.13.01">https://doi.org/10.6000/1929-6029.2024.13.01</a>
JOURNAL PAPER (International)	A Study to Assess the Psychological Health of Young Adults through Quantile Regression and Quantile Regression Neural Network Models.	African Journal of Biological Sciences	Alka Sabharwal, Babita Goyal, Lalit Mohan Joshi (First Author)	<a href="https://www.afjbs.com/issue?volume=Volume%206%20&amp;issue=%209&amp;year=2024">https://www.afjbs.com/issue?volume=Volume%206%20&amp;issue=%209&amp;year=2024</a>

8. Books				
Category	Book Name	Title	Name of Author	ISSN/ ISBN Number

9. Faculty Achievements					
Year	Category of Achievement	Role	National/ International etc.	Name	Date From-To
2022	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PROFESSOR	International	5th International Conference on Frontiers in Industrial and Applied Mathematics (FIAM-2022)	22.Dec.2022 - 23.Dec.2022
2021	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PROFESSOR	University	Biostatistical & Mathematical Skills with Excel and R	16.Aug.2021 - 31.Aug.2021

**Prof. ALKA SABHARWAL**