University Faculty Details Page on DU Web-site

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Title	Professor	First Name	Poonam	Last Name	Singh	Photograph
Designation	Professor					
Department	Statistics					
Address (Campus)	Department of Statistics, University of Delhi, Delhi-110007					
(Residence)	511 DDA SFS Flats, DA Block (Sheeshmahal Apartments) Shalimar Bagh, Delhi-110088					
Phone No (Campus)	27666671					
(Residence)optional						
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Email	pbs_93@yahoo.co.in, psingh@stats.du.ac.in					
Web-Page	-					

Education

Subject	Institution	Year	Details
Ph.D.	**University of Delhi**	**2004**	Thesis topic: Some contributions to Mixture Experiments.
M.Phil	**University of Delhi**	**1992**	Topic: Mixture Experiments with Constraints: A Review
M.Stat.	**Indian Statistical Institute**	**1989**	Spl.: SQC and OR

Career Profile

Organisation / Institution	Designation	Duration	Role
PGDAV College University of Delhi	**Lecturer, Sr. Lecturer, Reader**	**10 years 14 days**	**Teaching and Research**
Department of Statistics, University of Delhi	**Reader, Associate Professor Professor**	**23.11.2004 to 09.11.2009 Since 10.11.2009**	**Teaching and Research**
Department of Statistics, University of Delhi	**Guest Under Co-operative Teaching Scheme**	**1997-1998 and 1999-2000 to 22.11.2004**	**Teaching and Research**

Research Interests / Specialization

Design of Experiments, Optimization, Generalized Linear Models.

Teaching Experience (Subjects/Courses Taught)

M.Phil Statistics, M.A./M.Sc. Statistics, B.Sc. (H.) Statistics

`Publications (LAST FIVE YEARS)

In Indexed/ Peer Reviewed Journals

Year of Publication	Title	Journal	Co-Author
2016	Construction of Linear Trend Free Fractional Factorial Designs using Linear Codes	***IJASS***	Puja Thapliyal and Veena Budhraja
2016	Cross-over Designs for a model with self and mixed carryover effects	***ProbStat Forum***	M.K. Jha and Garima Priyadarshini
2016	A Technique to Construct Linear Trend Free Fractional Factorial Design Using Some Linear Codes	***IJSM***	Puja Thapliyal and Veena Budhraja
2015	Cross-Over Designs for Factorial Experiments	***IJASS***	M.K. Jha and Garima Priyadarshini
2015	Constructions of Partially Balanced Crossover Designs Based on Two and Higher Order Association Schemes	***JSTP***	M.K. Jha and Garima Priyadarshini
2014	Trend free orthogonal arrays using some linear codes	*IJSER*	Veena Budhraja and Puja Thapliyal
2014	Construction of fractional factorial designs with some linear trend free effects through finite fields	*JCISS*	Puja Thapliyal and Veena Budhraja
2013	Construction of Trend Free Run Orders for Orthogonal Arrays using Linear Codes	***IJEIT***	Puja Thapliyal and Veena Budhraja
2012	Orthogonally blocked mixture component-amount designs via projections of F-squares	***JKSS***	M.L. Aggarwal, Vandana Sarin and Bushra Husain

2012	Optimal orthogonal block designs for four mixture components in two blocks based on F-squares for Becker's models and K-model	***Statistics***	M.L. Aggarwal, Vandana Sarin and Bushra Husain
2011	Optimal design for second degree K-model for mixture experiments based on weighted centroid designs	***Metron***	M. K. Panda
2011	Optimal orthogonal block designs for four mixture components in two blocks based on F-squares for Becker's models and K-model	***Statistics***	M.L. Aggarwal, Vandana Sarin and Bushra Husain
2011	Optimal Designs for Multi Response Mixture Experiments	***JISAS***	M. K. Panda
2011	A-Optimal designs for an Additive Cubic Model	***SPL***	M.L. Aggarwal and M. K. Panda
2011	Nearly optimal orthogonally blocked designs for four components based on F-squares	***Communications in Statistics-Simulation and Computation***	M.L. Aggarwal, Vandana Sarin and Bushra Husain
2010	Construction of efficient balanced and nearly balanced two-level supersaturated designs	***JSA***	V.K. Gupta, B. Kole, and R. Parsad
2010	Computer-Aided Construction of Efficient Multi-Level Supersaturated Designs	***JSTP***	V.K. Gupta, B. Kole, and R. Parsad
2010	Addition of Runs to a Two-Level Supersaturated Designs	***JSPI***	V.K. Gupta, B. Kole, and R. Parsad

ARTICLES IN THE EDITED BOOKS

1. Aggarwal M.L. and Poonam Singh (2008): Efficient Uniform Designs for Mixture Experiments in Three and Four Components. Trends in Applied Statistics Research, Nova Science Publications, Inc., New York, Chapter 2, pp. 11-26 (M. Ahsanullah Editor).

Conference Presentations

1. Invited talk in International Conference on Statistics and Informatics in Agricultural Research organized by Indian Society of Agricultural Statistics held at IASRI, PUSA, New Delhi during 18-20, November 2012.

2. Chaired a Session in International Conference on Statistics and Informatics in Agricultural Research organized by Indian Society of Agricultural Statistics held at IASRI, PUSA, New Delhi during 18-20, November 2012.

3. Participated in "The legacy of Srinivasa Ramanujan-An International Conference" held at University of Delhi, Delhi-110007 during 17-22, December 2012.

4. Invited Talk entitled "Uniform Designs for Mixture Experiments" in Pre-ICM International Convention on Mathematical Sciences held at Delhi during December 18-20, 2008.

5. Invited Talk entitled "*Efficient mixture designs through projection of Minimal point second order response surface designs*" in ***95th Indian Science Congress*** held at Vishakhapatnam during January 3-7, 2008.

6. Invited Talk entitled "*D-Optimal Designs in Two Orthogonal Blocks for Darroch and Waller's Quadratic Model in Constrained Mixture Components*" in ***93rd Indian Science Congress*** held at Hyderabad during January 3-7, 2006.

7. Invited Talk entitled "*Optimal Designs In (q-1) Orthogonal Blocks for Darroch and Waller's Quadratic Mixture Models in q Components*" in ***International Conference on Design of Experiments: Theory and Applications*** held at Memphis, USA during May 13-15, 2005.

8. Paper entitled "*Optimal Orthogonal Block Designs for Mixture Models with Inverse Terms" in International Conference* "Joint Statistical Meet" held in Delhi during December 30, 2000 to January 3, 2001.

9. Paper entitled "*Projection Designs for Mixture Experiments" in International Conference* "Recent Trends and Future Directions" held in Delhi during December 27 -30, 2001.

10. Paper entitled "*Optimal Orthogonal Block Designs for Becker's Mixture Models" in International Conference* "Teaching Research for 21st Century" held in Delhi during January 8 – 10, 2000.

Workshops attended:

Research level workshop on experimental designs held at Indian Statistical Institute, Kolkata during 25.12.2002 to 29.12.2002;
Colloquium on advanced lecture circuit in design of experiments held at University of Delhi, Delhi during 03.06.2000 to 14.04.2001.
International World Mathematics Year 2000 Workshop, held at University of Delhi, Delhi on 29.12.2000.

Professional Societies Memberships

1. **Society of Statistics, Computer and Applications.**
2. **Indian Science Congress Association.**
3. **Calcutta Mathematical Society.**
4. **Indian Society for Probability and Statistics.**

Other Details

Administrative Assignments:

Head of the Department, Department of Statistics, University of Delhi: 02.08.2012-21.08.2013;
Chairperson, University Unit Complaints Committee against Sexual Harassment, Faculty of Mathematical Sciences, University of Delhi: 2009-2010 to 2012-2013;
Chairperson, workshop on "Statistical Computing using R" held at Department of Statistics, University of Delhi during 14-15 September 2013;
Chairperson, Committee for syllabi preparation FYUP in Statistics for Department of Statistics in A.Y. 2012-2013;
Faculty Coordinator, Placement Cell, Department of Statistics, University of Delhi: since 2005-2006 till date;
Teacher In-charge, Department of Statistics, PGDAV College, Delhi: Academic year 2003-2004.

Research Guidance:

1. **Ph.D.:** Awarded: 3, Submitted: 2, In Progress : 2
2. **M.Phil.:** Awarded: 8, In progress: 2

(Signature of Faculty Member)