


## **Bio-data**

Name	<b>Dr. RITA JAIN</b>	DOB	<b>01<sup>st</sup> June 1962</b>	
Designation and Institution Address	ASSISTANT PROFESSOR IN STATISTICS Ram Lal Anand College, Benito Juarez Marg, South Campus, University of Delhi, Delhi 110021			
Residence Address	IV-H-016 Ridgewood Estate, DLF Phase 4 Gurgaon, Haryana-122009.			
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<b>Educational Qualifications</b>				
Degree	Institution	Year		
Ph.D.(Statistics)	Department of Statistics, Delhi University- Specialisation-Bio-Statistics “A Survival Theory approach to the Analysis of some Demographic Models”	1992-1996		
M.Phil. (Statistics)	Department of Statistics, Delhi University	1984-1986		
M.A. (Statistics)	Hindu College, Delhi University	1982-1984		
B.A.(H) Statistics	Hindu College, Delhi University	1979-1982		
<b>Career Profile</b>				
Assistant Professor - Department of Statistics, Ram Lal Anand College, University of Delhi since 1999				
<b>Administrative Assignments</b>				
<b>Course Co-ordinator -Human Values, Ethics and Life Skills.</b>				
Conceived and prepared the course curriculum. Successfully organised a 40- hours non-credit course for first year students since 2018-19 till 2021-22.				
<b>Areas of Interest / Specialization</b>				
Bio-Statistics, Inference, Statistical Methods and Applied Statistics				
<b>Research Guidance</b>				

Involved in supervision and guidance of ten students in each Delhi University Innovation Project/In house college project entitled

1. “Study on how Cognitive activities fair better than drugs in delaying dementia among 60 plus population.” 2015-16
2. “To study the level of antibiotic resistance in bacterial strains obtained from waste water, treated water, ground water, surface water and drinking water” 2013-2014.
3. CRG/RLA/06/2019 titled "An Epidemiological Study on the Physical and Emotional Health of College Students in Delhi".

#### Publications Profile

##### **Publications (National/International):**

1. Dr. Rita Jain, Ms. Deboshree Das, Mr. Siddharth Sharma, Ms. Swastika Mohapatra, Ms. Raajvi Khurana (2023). Prospecting Risk factors for Anxiety and Depression among University Students:A Delhi based Cross-Sectional Study; journal of positive psychology and well being; 2023-04  
<https://journalppw.com/index.php/jppw/article/view/16512/10497>
2. Jain Rita, Das Deboshree, & John M. Salome. (2022). Body Mass Index as an Indicator of Depression and Stress-induced Eating Disorders among College Students in Delhi, India. *Asian Pacific Journal of Health Sciences*, 9(3), 184–187.  
<https://doi.org/10.21276/apjhs.2022.9.3.37>
3. Deboshree Das, Sanya Malik, & Rita Jain. (2021). Cognitive Training: Strategy for Improving Mental Health of Elderly Inmates Living in Old Age Homes across Delhi, India. *Asian Pacific Journal of Health Sciences*, 8(4), 168–173.  
<https://doi.org/10.21276/apjhs.2021.8.4.34>
4. Jain, R., & Kumar, S. (2021). National Cadet Corps (NCC): Its Role in Integrating North Eastern Region (NER) with Mainstream India. *Indian Journal of Public Administration*, 67(1), 71–86. <https://doi.org/10.1177/00195561211006558>
5. Alka Sabharwal, Babita Goyal, Rita Jain, Truncated Binomial Model to Estimate the Effect of Interactive Workshop on Cognitive Abilities of Elderly People Staying in Old Age Homes in Delhi, India, *International Journal of Statistics and Applications*, Vol. 10 No. 4, 2020, pp. 103-112. doi: 10.5923/j.statistics.20201004.03.
6. Rehmann, Z., Bansal, S., Malik, S., Mitra, B , Das, D., Mohan, A., Dhingra, J., Suneja, A., Gulati, S., Gupta, A., Dabas S.C., and **Jain. R.** (2020). Book Chapter- “Cognitive Activities help Delay Dementia in 60 plus Population” Springer Nature entitled Asset Analytics, P. K. Kapur et al. (Eds): Decision Analytics Applications in Industry, 978-981-15-3642-7, 491324\_1\_En, (19).
7. Nain.VK, Khurana. GS., Singh.S.,Vashitha. A., Kumari .S., Singh. A., Aggarwal. N., Arora. A., Khan. A., Thareja. G., Gupta. K, **Jain. R.** and Diwan. P (2015). Antibiotic resistance pattern in bacterial isolates obtained from different water samples of Delhi region. *DU Journal of Undergraduate Research and Innovation*, 1 (3), 219-227.
8. Suddhendu Biswas and **Rita Jain** (2001) – A short note on a Reliability theory approach for obtaining confidence interval of life expectancies at different ages. *Assam Statistical Review*. 15(2), 42-46. ISSN 0976-4291.
9. **Rita Jain** and Suddhendu Biswas (1994) On a Renewal theory approach for estimating the parity specific fertility rates under intrinsic variation of fecundity level. *Demography India*. 23(1 & 2) 97-102 ISSN 0970-454X.

10. Suddhendu Biswas and **Rita Jain** (1993) – On a Reliability approach to the analysis of interlive birth intervals and parity progression ratios. Demography India. 22 (2) 225-234. ISSN 0970-454X.

#### Conference Presentations

##### International:

1. Rehmann, Z., Bansal, S., Malik, S., Mitra, B, Das, D., Mohan, A., Dhingra, J., Suneja, A., Gulati, S., Gupta, A., Dabas S.C., Mital N., and Jain. R. (2018). **Cognitive Activities help Delay Dementia in 60 plus Population.** 9<sup>th</sup> International Conference on “Quality, Reliability, Infocom Technology and Business Operations (ICQRITBO,18)” jointly organised by Department of Operational Research, University of Delhi and SREQOM held on December 27<sup>th</sup> -29<sup>th</sup>, 2018 at Conference Centre, University of Delhi, New Delhi-110007.
2. Nain.VK, Khurana. GS., Singh.S.,Vashitha. A., Kumari .S., Singh. A., Aggarwal. N., Arora. A., Khan. A., Thareja. G., Gupta. K, **Jain. R.** and Diwan. P.(2015). **Antibiotic resistance pattern in bacterial strains obtained from different water samples from Delhi region.** International Conference on “Antimicrobial resistance, Novel Drug Discovery and Development: Challenges and Opportunities” jointly organised by SRM University Haryana, and IAMPV held on March 2<sup>nd</sup>-3<sup>rd</sup>, 2015 at India Habitat Centre, Lodhi Road, New Delhi-110003.

##### National:

1. Nain.VK, Khurana. GS., Singh.S.,Vashitha. A., Kumari .S., Singh. A., Aggarwal. N., Arora. A., Khan. A., Thareja. G., Gupta. K, **Jain. R.** and Diwan. P. and Diwan M. (2015). Multidrug resistance in bacterial isolates obtained from different water samples obtained from Delhi Region. symposium on "**Antibiotic Resistance: A Major Global Threat**" organized by Microbiology Department, Bhaskaracharya College of Applied Sciences: March 2016
2. Presented poster during the Annual event of University of Delhi “Antardhwani” entitled “**Antibiotic resistance pattern in bacterial isolates obtained from different water samples of Delhi region**” (February 20<sup>th</sup>-22<sup>nd</sup>, 2015).
3. Work presentation entitled “**Antibiotic resistance pattern in bacterial isolates obtained from different water samples of Delhi Region**” at Maitreyi College, University of Delhi, Delhi (February 25<sup>th</sup>, 2015)
4. Presentation: Potential of Cognitive Activities in Delaying Dementia among 60 Plus Population. 34<sup>th</sup> Annual Meeting of the Indian Society of Medical Statistics (ICMS) held at the Indian Statistical Institute, Kolkata during Dec, 1-3 2016.
5. Presented Poster during event of University of Delhi “Research Display at the Convocation Ceremony 2016” entitled “Study on how Cognitive activities fair better than drugs in delaying dementia among 60 plus population” 19<sup>th</sup> Nov 2016.

#### Research Projects (Major Grants/Research Collaboration)

- ❖ **College In-House Project** entitled “An Epidemiological study of emotional and physical health of college students in Delhi” 2019-20. Minor Project 30,000 Only
- ❖ **ICSSR-IMPRESS Project** entitled- “Study of varied complexities of North-East region and role of National Cadet Corps to integrate it strongly within the national mainstream” 2019-20. Minor Project 4.99 Lacs

- ❖ **Delhi University Innovation Project RLA-303** entitled “Study on how Cognitive activities fair better than drugs in delaying dementia among 60 plus population.” 2015-16. Minor project 3.5 Lacs
- ❖ **Delhi University Innovation Project RLA-203** “To study the level of antibiotic resistance in bacterial strains obtained from waste water, treated water, ground water, surface water and drinking water”2013-2014 Major Project 5Lacs

#### Awards and Distinctions

- ❖ **Best Poster award** in the Research Display at the Convocation Ceremony of University of Delhi for poster presentation entitled “Study on how Cognitive activities fair better than drugs in delaying dementia among 60 plus population” in Research Display 2016 held on 19<sup>th</sup> Nov 2016.
- ❖ **Certificate of Appreciation** awarded for being selected for the Research Display at the Convocation Ceremony 2016 of University of Delhi entitled “Study on how Cognitive activities fair better than drugs in delaying dementia among 60 plus population held on 19<sup>th</sup> Nov 2016.

#### Association With Professional Bodies

- ❖ Life Member – Indian Society of Medical Statistics
- ❖ Life Member – Society of Statistics, Computer and Applications.

#### Other Activities

- ❖ Training Program in “Science Communication” organised by Center for science Education and Communication, DU from 20-22 December, 2016
- ❖ Workshop on “Statistical Computing using R” conducted by Department of Statistics, University of Delhi, during September 14-15,2013.



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