

# Prof. Dr. Ghausia Masood Gilani

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## Personal

Father's Name: Ahmad Din  
Date of Birth: 26-01-1952  
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Address: Residence:  
Warden House, Girls Hostel No.2  
University of the Punjab, Q.A. Campus, Lahore  
Office:  
Professor  
College of Statistical and Actuarial Sciences  
University of the Punjab, Q.A. Campus, Lahore

## Qualifications

Ph.D. 2004 (University of the Punjab, Lahore)  
M.Sc.(Statistics) University of the Punjab, Lahore  
B.Sc. University of the Punjab, Lahore  
F.Sc. Lahore Board  
Matriculation Lahore Board  
Certificate International Course on Cancer Epidemiology  
IZMIR Turkey

## Experience

Professor October 30, 2005 to date  
Associate Professor 23 April 2005 to Oct. 30, 2005  
Assistant Professor Feb. 1982 to April 22, 2005  
Lecturer Dec. 1975 to Feb., 1982

## Field of Expertise

- Logistic Regression Analysis
- Biostatistics
- Survival Analysis
- Demography
- Categorical Data Analysis
- Introduction to Health Research
- Non-parametric Statistics
- Sampling and Sampling Distribution
- Theory of Sampling
- Statistical Methods
- Sample Survey
- Population Studies
- Modeling Binary Data

## Research

- Research Guidance
  - ✓ M.Phil leading to PhD 08
  - ✓ M.Sc. level 40
- Publication of Research Papers 23

## Other Assignments

- Coordinator, M.Sc. Biostatistics Program
- Deputy Chairperson, Hall Council University of the Punjab, Lahore
- Member Board of Studies in Statistics University of the Punjab, Lahore
- Member Board of Studies in Statistics Quaid-e-Azam University, Islamabad
- Member Disciplinary Committee University of the Punjab, Lahore
- Honorary Faculty Member of Research & CME Department, Punjab Institute of Cardiology, Lahore.

## Distinctions

- Gold Medal in M.Sc. (Statistics)
- Successfully Organized the 'First International Conference on Statistics and Operations Research – 2006' as Conference Secretary.
- Successfully Organized the 'Second International Conference on Statistical Data Produced and Applications of Statistics' as Conference Secretary

**Dr. Ghausia Masood Gilani, Professor**

**1. RESEARCH PUBLICATIONS:**

**a) Research papers published in foreign journal of International repute 01**

S#	Name of Article	Journal	Year with Volume #
1.	Risk factors for breast cancer in Pakistani women aged less than 45 years	Annals of Human Biology, UK	July-August 2004: Vol.31 No.4, 398-407

**Published in Local Journal of International Repute 29**

S#	Title of Article	Journal	Year with Volume #
1.	Prevalence of Polycystic Ovarian Disease (PCOD) among Female medical students	Esculapio: Journal of Services Institute of Medical Sciences, Lahore	Vol.7 Issue 4, Oct. - Dec. 2011, pp 28-33
2.	A Clinical Audit of Mortality and its Major Causes in Children from Birth to 24 Months of Age in the Gowal Mandi Area Lahore - Pakistan	Annals	Vol.17, No.2 APR. - JUN. 2011
3.	Bayesian Analysis for the Paired Comparison Model with Order Effects (Using Non-informative Priors)	Pak.J.stat.oper.res.	Vol.IV, No.2: 2008, pp 83-91
4.	Comparative Study of Students attitudes to study and study behaviours amongst postgraduate students, University of the Punjab Lahore Pakistan	Bulletin of Education & Research	Vol. 27, No. 1, July 2006 1-31
5.	Risk factors for breast cancer among women in Punjab, Pakistan - Results from a case-control study.	Pak.J.stat.oper.res.	Vol.II, No.1: 2006, pp 17-26
6.	Totally Balanced Designs for Four Initial and Four Subsequent Treatments with an Embedded Graeco-Latin Square of Order Four in a 6x6 Layout with Two Blocking System.	Pakistan Journal of Scientific Research	Vol.57 No.3 - 4 2005 95-103
7.	Estimation and analysis of regression coefficients when explanatory variables are correlated.	Journal of Research (Science), BZ University, Multan	Vol.15: No.1, June 2004 33 - 39
8.	A Differential Study of Breast Cancer Patients in Punjab, Pakistan	Pakistan Journal of Medical Association	Vol.53: No.10, October 2003, 478 - 481
9.	Variance of the sample mean due to Coders.	The Punjab University Journal of Mathematics	Vol. XXXVI 2003-04 15-20
10.	A model for Coders effects	Pakistan Journal of Scientific Research	Vol.54 No.1-2 March, 2002, 63 - 64
11.	A model for interviewers and coders effects	Pakistan Journal of Scientific Research	Vol.54, No.3-4 Sept. 2002, 68-71
12.	On the variance of the sample mean from finite population	Journal of Scientific Research, University of the Punjab, Lahore	Vol. XXXI, No.2 October 2002, 19 - 24
13.	Performance of Usual Variance Estimator in the Presence of Non-Sampling Errors	The Punjab University Journal of Mathematics,	Vol. XXXIV 2001 123 - 132
14.	Comparison of OLS with different instrumented variable methods.	Scientific Khayber	Vol.10 No.2: 1997, 101-107
15.	A Formal Algorithm of a Sampling procedure for a 3 way stratified population	The Punjab University Journal of Mathematics	Vol. XXX, 1997 149 - 156
16.	Non-parametric Methods	ACTA SCIENTIA A Journal of Pakistan Society for the improvement of pure and applied sciences	Vol. 6, No.1 1996 15 - 20
17.	Estimate of the Parameters of the Rayleigh Distribution	Scientific Sindh Annual Journal of Research	Vol.3, 1996 153 - 158
18.	Estimating the Parameters of the Normal Distribution by Quadratic Coefficient Estimates	5th Statistics Seminar 1994	Vol. V, (printed in 1995) 77 - 82
19.	On Unequal Probability Sampling.	Journal of Mathematics, University of the Punjab, Lahore	Vol. XXVII 1994, 45 - 51

S#	Title of Article	Journal	Year with Volume #
20.	Multivariate Statistical Analysis in Modelling the Job Satisfaction Data	'The First International Conference on Statistics and Operations Research - 2006'	Published in the proceedings
21.	A statistical study about satisfaction after physiotherapy among the patients of cervical spondylosis	'The First International Conference on Statistics and Operations Research - 2006'	Published in the proceedings
22.	Policy Variables Search in the Rice Production of Pakistan	'The First International Conference on Statistics and Operations Research - 2006'	Published in the proceedings
23.	Relationship of Serum ALT to HCV RNA titres and Histological Activity in Liver in Chronic Hepatitis C	International Conference on 'Statistical Data Produced and Applications of Statistics' in Sept. 2007	Published in the proceedings
24.	Ridge Regression model for near collinear factors of infant mortality rate in Punjab province of Pakistan: Evidence from multiple indicator cluster survey 2003-04)	3rd International Conference on 'Statistical Sciences' - 2010	Published in the proceedings
25.	Assessment of Quality of Life of Diabetic Patients	3rd National Conference on 'Emerging Trends in Diabetes' - 2010 (SIMS, Lahore)	Published in the proceedings
26.	A study of Factors affecting quality of life of diabetic patients	3rd International Conference on 'Statistical Sciences' - 2010	Published in the proceedings
27.	Breast cancer survival results according to stage: How encouraging the results are?	3rd International Conference on 'Statistical Sciences' - 2010	Published in the proceedings
28.	Comparing Ridge Regression (RR), Principal Component Regression (PCR) and Partial Least Square Regression (PLSR) methods to tackle the multicollinearity problem	3rd International Conference on 'Statistical Sciences' - 2010	Published in the proceedings
29.	Estimation of Location and Scale parameters based upon upper record values of Weibull Distribution from complete data, Type II Singly and Doubly Censored Data.	11th Islamic Countries Conference on Statistical Sciences (ICCS-II) at UMT, Lahore	Published in the proceedings (2011)
30.	A BAYESIAN LOOK AT THE BRADLEY-TERRY PAIRED comparison model	IJPSS	July 2012
31.	STATISTICAL ANALYSIS OF THE TM- MODEL VIA BAYESIAN APPROACH	Pakistan Journal of Statistics and Operation Research Vol. 8 No. 4.	Oct 2012

c. No. of Books published

Nil

## 2. RESEARCH SUPERVISION:

### a) Ph.Ds / M.Phil leading to Ph.D. Supervised

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Sr#	Title of Thesis	Name of Student	State of thesis
1	Comparison of three link functions logit, probit & complementary log log as applied to breast cancer data	Ms Tahira Bano	Completed
2	Application of structural equation models on quality of life data of diabetic patients	Ms Irum Sajjad Dar	Completed
3	Selection of the best shrinkage regression model to determine the infant mortality rate in Punjab, Pakistan.	Mr. Mudassir Ahmad	Completed
4	Subset selection of variables in Regression Analysis: A comparison of selection criterions for multicollinearity, residual variance and sample size.	Ms Uzma Maqsood	Completed
5	Structural Equation Modeling (SEM): Application to the quality of life of breast cancer survivor data.	Ms Asifa Anwar	Completed
6	Assessment of Factors Affection Quality of Life Among breast Cancer Survivors Using Ordinal Regression.	Ms Afza Rasul	Completed
7	Assessment of Quality of Life of Breast Cancer Survivor: An Application of Log-Linear Analysis.	Ms Shaista Akram	Completed
8	Statistical Univariate Time Series Modeling and Volatility analysis of Imports, Exports & Trade Balance of Pakistan Using Arch Family of Models.	Muhammad Arif Aziz	Completed
9	The Beta Exponentiated Weibull Distribution and its Properties	Sharqa Hashmi	Completed
10	Estimation of the Parameters of Generalized order Statistics for Weibull distribution by Exact and Approximate Methods for Complete and Censored Data	Riffat Jabeen	Completed
11	Impact of Public Investment on Economic Growth in Pakistan	Noor Zaman	Completed

### M.A. / M.Sc. thesis supervised

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Sr#	Title of Thesis	Name of Student	Year
1.	Availability of Basic Amenities of Life in Walled City of Lahore	Nadeem Akhtar Siddiqui	1984
2.	A study of the problems of the students at University of the Punjab	Aftab Ahmad	1986
3.	Child parent relationship of Punjab University teachers	Alia Bashir	1995
4.	Job Satisfaction in the teachers of University of the Punjab	Uzma Naz	1995
5.	Consumer's Purchasing Behaviour towards ready-made garments	Rehana Yasmin	1996
6.	Teachers Effectiveness and Students Achievement	Umair Islam	1996
7.	Lipton Yellow Label Tea	Shahid Ali	1996
8.	The assessment of the opinion of students of Lahore city about different Urdu news-papers	Muzaffar Ahmed	1996
9.	Impact of television on style of living	Muhammad Sohail	1996
10.	Assessment of the opinion of teachers of Lahore city about different English news papers	Moeed Aziz	1996
11.	Relationship between advertisement of shampoo and consumers response	Sahar Zafar Ullah	1996
12.	Relationship between advertisement of detergent and consumers response	Mehreen Iqbal	1996
13.	Job-Satisfaction among private school lady teachers of Lahore	Muhammad Shafiq	1997
14.	Job satisfaction and emigration tendency among doctors	Faryal Shabbir	2000
15.	Case Study of the Children of SDS in Lahore	Maiza Taslim	2001
16.	Cost Analysis of Computer Education in Lahore	Rizwan Latif	2001
17.	Awareness of People about environmental pollution	S. Anwar Ali Shah	2002
18.	A Statistical Study of University of the Punjab Lahore about Females Trend towards Readymade Garments.	Kiran Siddique	2003-05
19.	The study of various factors that effects the Agricultural Productions.	Sultan Ahmad Khan	2003-05
20.	Youth view point towards Marriage related matters.	Mubashra Maqsood	2003-05
21.	A Statistical study of Impact of Free education policy on literacy rate.	Sharmeen Ishaq	2003-05
22.	A statistical study on the environmental conditions at Kot-Lakhpat Jail Lahore.	Sadia Ghulam Mohyuddin	2004
23.	Contemporary Cultural Trends: A survey about Co-educated Muslim Youth aged 18-24 of Lahore	Syeda Rabab Jafri	2004
24.	Attitude of Male Students of Punjab University towards Employment of Educated Female Youth.	Uzma Fazal	2004-06

Sr#	Title of Thesis	Name of Student	Year
25.	Study of Consumer Products Provided by MCB for their Customer.	M. Faizan Riaz	2004-06
26.	Study of "Trend toward higher education among females at the University of the Punjab"	Farah Liaqat	2004-06
27.	Impact of free education policy on literacy rate	Sharmeen Ishaq	2005
28.	Youth view point towards marriage	Mubashra Maqsood	2005
29.	A study on the effects of facilities provided to farmers on agriculture statistics.	Sultan Ahmad Khan	2005
30.	Public trend towards readymade garments.	Kiran Siddique	2005
31.	A study on choice of parents for children education at Sialkot Tehsil.	Ahmed Arif	2005-07
32.	A study of pharmaceutical industry of Lahore about the facilities provided to their labor class.	Sanan Islam	2005-07
33.	A Study on Job satisfaction of the employees of steel & Silver manufacturing sonex factory Gujranwala.	Muhammad Khalid	2005-07
34.	Statistical Studies of students opinion about problems of career selection for youth.	Asia Ashraf	2005-07
35.	A Statistical study on trend towards formal employment among educated females.	Sana Saleem	2005-07
36.	A comparative study of three dams (Tarbels, Mangla and Warsak) with respect to electricity generation and its consumption.	Qamar Adrees	2005-07
37.	A statistical study on survey on Job Satisfaction of Oil Refinery Employees of "Attock Oil Refinery Limited."	Huma Jabbar	2005-07
38.	A statistical study on the attitude of the students towards presentations in university of the Punjab.	Musarat Sardar	2005-07
39.	A study is conducted on mother's education and its effect on academic achievement of their children.	Uzma Hafeez	2005-07
40.	A statistical study of general perception of consumer about fast food.	Asgher Ali	2005-07
41.	A study of general attitude of parents towards religious education at Mangla District Mirpur.	Muhammad Arshad	2005-07
42.	A statistical study on the opinion of university students regarding the role of working women towards the development of a country.	Rabbia Munir	2005-07
43.	A statistical study on trend of Muslim Youth towards religious education.	Shazia Ahmad	2005-07
44.	A statistical study on parents view point about the impact of TV programs on young generation.	Maryam Nasim	2005-07
45.	Role of Advertisement on society (A statistical study of the customers of Pot Pourri.)	Rabia Latif	2005-07
46.	A statistical study to compare the views of workers in electronic media and print media.	Bushra Ayub	2005-07
47.	A Statistical Study on Comparison & Assessment of Patient Satisfaction Attending O.P.D's of Public And Private Hospitals.	Syed Razi Uddin Kazmi	2004-06
48.	The Use of Antibiotic Prophylaxis in Cardiac Surgery Department, Mayo Hospital.	Waqas Sami	2004-06
49.	Study of Precipitating of Acne Vulgaris in Females Coming to Mayo Hospital.	Shazia Munawar Sulehri	2004-06
50.	Statistical Analysis of Pulmonary Tuberculosis. In Different Aspect, Causes & Management Outcome.	Naseem Ramzan Malik	2004-06
51.	Evaluation of Major Risk Factors For Hepatitis-C	Jafar Taqi Alvi	2004-06
52.	Assessment & Statistical Analysis of Patient Satisfaction Level.	Faraz Saleem	2004-06
53.	Hepatitis C "A" Silent Killer	Asrar Hussain Mahdy	2004-06
54.	A study is Conducted on Corneal Ulcer Patients at Mian Muhammad Munshi Hospital.	Sehrish Khalid	2005-07
55.	A case Control study to Determine The Risk Factors of Gallstone at SIME	Qurratulain	2005-07
56.	A Case-Control Study at Sheikh Zayad Hospital Lahore to Determine Risk Factors of Renal Calculi.	Bushra Naveed	2005-07
57.	A Comparative Study of Job Satisfaction among Nurses in Private & Government Hospitals in Lahore	Rabia Nasir	2006-08
58.	A Study of the Availability of Medical Facilities and Patients Satisfaction in Bahawal Victoria Hospital	Muhammad Yousaf	2006-08
59.	An Opinion Survey Regarding Violence of Males Against Female in the Model Town Lahore.	Umaimah Hamid Ullah	2006-08
60.	Impact of TV Channels of Youth in Residential Area of Gulshan-Ravi, Lahore.	Sadia Aftab	2006-08
61.	A Statistical Study on Exploring The Causes of Drug Addiction	Khurram Shahzad Ashraf	2006-08
62.	Walton's People View About Wapda Load Shedding	Sanya Hanif	2006-08
63.	A Statistical Study on the Opinions of ATM Cardusers (A View Point on Users of ATM Card)	Sidra Naushahi	2006-08
64.	A Statistical Study on Comparison of Various Cellular Services & Consumer View Point of University of the Punjab.	Zaigham Tahir	2007-09
65.	A Study of the Problems Faced by Female Bank Employees.	Asfa Maqsood	2007-09
66.	An Assessment of Competency of English Teacher at Secondary Level.	Rafia Hussain	2007-09
67.	A Comparative Study Between Govt. and Private Schools in Mustafabad Lahore.	Rabia Ijaz Malik	2007-09
68.	Opinion of Female Youth About Readymade Garments.	Sana Huma	2007-09
69.	A Statistical Study of Living Conditions of People at Mughalpura, Lahore	Kashif Kausar	2007-09

Sr#	Title of Thesis	Name of Student	Year
70.	Passenger's Views About Traveling in PIA	Beenish Abdullah	2007-09
71.	A Statistical Study on the Perception & Practice of the Students of PU About Basic Islamic Value.	Madiha Saif	2007-09
72.	A Statistical Study on the Availability of Medical Facilities & Patient Satisfaction in D.H.Q Hospital Gujranwala.	Muhammad Usman	2007-09
73.	A Statistical Study about Job Satisfaction of the Employees in Sami Pharmaceutical Company Lahore.	Rafia Naeem	2007-09
74.	A Statistical Analysis on the Job Satisfaction of Employee of Global Pharmaceutical Company.	Alqa Syed	2007-09
75.	A Statistical Study on the Parents View Point About Female Education.	Medeeha Zulfiqar	2007-09
76.	Job Satisfaction and Professional Commitment Among Police Force Officers.	Humera Riaz	2007-09
77.	A Statistical Study on Comparison of Various Cellular Services & Consumer View Point of University of the Punjab.	Zaigham Tahir	2007-09
78.	A Study of the Problems Faced by Female Bank Employees.	Asfa Maqsood	2007-09
79.	An Assessment of Competency of English Teacher at Secodary Level.	Rafia Hussain	2007-09
80.	A Comparative Study Between Govt. and Private Schools in Mustafabad Lahore.	Rabia Ijaz Malik	2007-09
81.	Opinion of Female Youth About Readymade Garments.	Sana Huma	2007-09
82.	A Statistical Study of Living Conditions of People at Mughalpura, Lahore	Kashif Kausar	2007-09
83.	Passenger's Views About Traveling in PIA	Beenish Abdullah	2007-09
84.	A Statistical Study on the Perception & Practice of the Students of PU About Basic Islamic Value.	Madiha Saif	2007-09
85.	A Statistical Study on the Availability of Medical Facilities & Patient Satisfaction in D.H.Q Hospital Gujranwala.	Muhammad Usman	2007-09
86.	A Statistical Study about Job Satisfaction of the Employees in Sami Pharmaceutical Company Lahore.	Rafia Naeem	2007-09
87.	A Statistical Analysis on the Job Satisfaction of Employee of Global Pharmaceutical Company.	Alqa Syed	2007-09
88.	A Statistical Study on the Parents View Point About Female Education.	Medeeha Zulfiqar	2007-09
89.	Job Satisfaction and Professional Commitment Among Police Force Officers.	Humera Riaz	2007-09
90.	A Statistical Study on Opinion of People About Two Types of Treatments (Allopathic and Homeopathic)	Mehwish Akram	2008-10
91.	A Study of Shopping Experience at Hyperstar (An Attractive Shopping Mall).	Naheed Chaudhry	2008-10
92.	A Study About the experience of Hostel Life of Male Resident Students At Punjab University.	Abdul Rehman	2008-10
93.	A Statistical Study on the Causes of Aggression Among Students.	Sadaf Zia	2008-10
94.	Comparative Study on Urban And Rural Life W.R.T Education in Hafizabad & Nothen.	Huma Basharat	2008-10
95.	A Statistical Study of view point of Female youth about their future life partners.	Saba Shafiq	2008-10
96.	A statistical Study on Determinants of Depression in Kot Abdul Malik.	Tyqa Mukhtar	2008-10
97.	A Study about peoples view point Towards Female Employment in Bhimber District.	M. Tayyab Ilyas	2008-10
98.	Sociodemographic And Sociocultural Study of Tuberculosis and Associated Risk Factors.	Aysha Khalid	2008-10
99.	A Study of Association Between BMI, Physical Activities and Computer Usage Among Punjab University, Lahore.	Sweety Iqbal	2008-10
100.	A Cross-Sectional Study of Obstetric Outcome Associated with the BMI of the Mothers.	Kanwal Younas	2008-10
101.	A Cross-Sectional Study of Urinary Tract Infection in Married Women.	Mahwish Abit Butt	2008-10
102.	The Impact of stress on Employees Performance in Punjab University Lahore.	Uzma Afreen	2009-11
103.	Perception of Parents about their Daughter-in-Law.	Amat-Ur-Raffay	2009-11
104.	A Comparative Study of the view of ATM and Credit Card Users in Adjacent Areas of Wapda Town Lahore (NFC and Valencia).	Saima Amjad	2009-11
105.	Effects on Canteen Food on Health of Students at University of the Punjab.	Mukhtar Ahmed	2009-11
106.	Cesarean Vs Normal Birth A Case Control Study	Rafia Meraj	2009-11
107.	Evaluation Of The Risk Factors For Osteoporosis	Madeeha Shahbaz	2009-11
108.	A Cross Sectional Study of Postpartum Depression In Primipara Women Visiting Services Hospital Lahore.	Rukhsana Aziz	2009-11

## **5. SEMINARS / WORKSHOPS / CONFERENCES**

### **a) Conducted at University Level 05**

1. International Conference on Statistics by ISOSS/PSA at University of the Punjab, Lahore with the coordination of Institute of Statistics in August-September 1999.
2. Pakistan Statistical Association Seminar Organized in the Institute of Statistics, University of the Punjab, Lahore in 2002.
3. Organized and Conducted "The First International Conference on Statistics and Operations Research 2006" at the Institute of Statistics, University of the Punjab, Lahore in April 2006 as Conference Secretary.
4. Organized and Conducted International Conference on 'Statistical Data Produced and Applications of Statistics' at the College of Statistical and Actuarial Sciences, University of the Punjab, Lahore in Sept., 2007 as Conference Secretary.
5. Organized and Conducted 3<sup>rd</sup> International Conference on 'Statistical Sciences' at the College of Statistical and Actuarial Sciences, University of the Punjab, Lahore (November 25-27, 2010) as Conference Secretary.

### **b) Conducted at Departmental Level 09**

1. A seminar was arranged for the members of Pakistan Statistical Association (PSA) and other statisticians in the Institute of Statistics, University of the Punjab, Quaid-e-Azam Campus, Lahore on May 03, 2002
2. A seminar was conducted on "Improvement of Quality and standards of education in the universities" on May 28, 2003.
3. A seminar was conducted on January 22, 2004. The Key speaker was Dr. Altaf Ahmad, a prominent statistician of USA.
4. A seminar was arranged on 'Database Management System' in which Dr. Mir Fazan of University of South Asia, Lahore was guest speaker in the month of August 2005.
5. A seminar on 'ER Diagram' was arranged in the month of June 2005. Mr. Shahid Manzoor was the key speaker.
6. A seminar was arranged on 'Management Information System' in collaboration with WARID Telecom, Pakistan in the month of Sept, 2005.
7. A symposium was organized in collaboration with 'Nestle Nesvita' about "Awareness of Osteoporosis" on May 2, 2011.
8. Two invited lectures were organized for M.Sc. Actuarial Science program students on February 16, 2011 on the topic of "Tax". Mr. Khalid Mehmood, Chartered Accountant – Hadleys & Co, UK was the keynote person.
9. Mian Ikram Shakir, Group Chief Actuary and Managing Director, FWU AG International, Luxemburg delivered two lectures on the topic of "Actuarial Sciences" on April 1, 2011.



**c) Participated and presented papers at University / Department level**

**03**

1. Participated and presented a paper "Properties of the Raleigh Distribution (comparison of conventional moments with L-moments)" in Karachi, 1997 at a seminar held at Department of Statistics, Karachi University, Karachi.
2. Participated and presented a paper "On a differential study of Breast Cancer patients in Punjab, Pakistan" in Lahore, 1999 at an International Conference on Statistics by ISOSS/PSA at University of the Punjab, Lahore.
3. Participated and presented a paper "Risk factor for Breast Cancer in Pakistani Women aged under 40 years" in Karachi, 2001 at 8<sup>th</sup> Statistics Seminar 2001 at Karachi University, Karachi.

**d) Participation at University / Department level**

**04**

1. Participated in a seminar conducted by LUMS on "LUMS Mathematics Day" on April 15, 2004.
2. Participated in a seminar conducted on 'Improvement of Quality and Standards of Education in the Universities' arranged by the University of the Punjab in the year 2003, under the instruction of Chancellor.
3. Workshop on "Statistical Activities" of Federal Bureau of Statistics in Collaboration with LCCI in the year 2002.
4. Participated in a Statistical Conference held at Karachi University, Karachi in year 2001.

**6. SEMINARS / WORKSHOPS / CONFERENCES**

**a) Attended and presented papers at International level**

**10**

S.#	Title of Seminar / Conference / Workshop	Title of Paper	Place of Workshop	Year
1.	International Conference on Statistics by ISOSS/PSA at University of the Punjab, Lhr.	On a differential study of Breast Cancer patients in Punjab, Pakistan	Lahore	1999
2.	First International Conference on Statistics and Operations Research 2006	A Statistical Study of the Satisfaction of Physiotherapy among the Patients of Cervical Spondylosis	Lahore	2006
3.	First International Conference on Statistics and Operations Research 2006	Policy Variables Search in the Rice Production of Pakistan	Lahore	2006
4.	First International Conference on Statistics and Operations Research 2006	Multivariate Statistical Analysis In Modelling The Job Satisfaction Data	Lahore	2006
5.	International Conference on 'Statistical Data Produced and Applications of Statistics	Relationship of serum alt to HCV RNA TITRES and histological activity in liver in chronic Hepatitis C	Lahore	2007
6.	3rd National Conference on 'Emerging Trends in Diabetes' – 2010 (SIMS, Lahore)	Assessment of Quality of Life of Diabetic Patients	Lahore	2010
7.	3rd International Conference on 'Statistical Sciences' – 2010	Ridge Regression Model to Determine Infant Mortality rate in Punjab, Pakistan (Evidence from Multiple Indicator Cluster Survey	Lahore	2010

		2003-04)		
8.	3rd International Conference on 'Statistical Sciences' – 2010	A study of Factors affecting quality of life of diabetic patients	Lahore	2010
9.	3rd International Conference on 'Statistical Sciences' – 2010	Breast cancer survival results according to stage: How encouraging the results are?	Lahore	2010
10.	3rd International Conference on 'Statistical Sciences' – 2010	Comparing Ridge Regression (RR), Principal Component Regression (PCR) and Partial Least Square Regression (PLSR) methods to tackle the multicollinearity problem	Lahore	2010
11.	11 <sup>th</sup> Islamic Countries Conference on Statistical Sciences (ICCS-II) at University of Management and Technology	Estimation of Location and Scale parameters based upon upper record values of Weibull Distribution from complete data, Type II Singly and Doubly Censored Data.	Lahore	2011

**b) Attended at International level**

**05**

<b>S.#</b>	<b>Title of Seminar / Conference / Workshop</b>	<b>Place of Workshop</b>	<b>Year</b>
1.	First Islamic Countries Conference on Statistical Sciences	Lahore	1988
2.	Islamic Countries Conference on Statistical Sciences	Lahore	1994
3.	Statistics Seminar at Lahore University	Lahore	2001
4.	First International Conference on Statistics and Operations Research 2006	Lahore	2006
4.	International Conference on 'Statistical Data Produced and Applications of Statistics'	Lahore	2007
5.	3 <sup>rd</sup> International Conference on 'Statistical Sciences'	Lahore	2010

**c) Attended at National level**

**04**

<b>S.#</b>	<b>Title of Seminar / Conference / Workshop</b>	<b>Place of Workshop</b>	<b>Year</b>
1.	Pakistan Statistical Association conference at Institute of Statistics, University of the Punjab, Lahore	Lahore	1997
2.	Pakistan Statistical Association Seminar organized in the Institute of Statistics, University of the Punjab, Lahore	Lahore	2002
3.	Workshop on "Statistical Activities" of Federal Bureau of Statistics in collaboration with LCCI	Lahore	2002
4.	Mathematics Day at LUMS (Lahore University of Management Sciences)	Lahore	2004

**Research/Technical Projects from HEC/  
National Research Organization/Universities**

**05 Marks**

1. Research Project "Some statistical aspects of Epidemiology of Breast Cancer in Punjab, Pakistan" funded by Punjab University, Lahore – Successfully completed in year 2002;
2. A research project "Psychological, Psychosocial Concerns and Quality of Life of Breast Cancer Survivors in Punjab: Project No. 20-782/R&D/07", worth Rs.48,96,000/= was granted by HEC under "National Research Program for Universities" in year 2007 vide letter No. 20-782/R&D/07/300/123 dated 08.01.2007 to the undersigned as Co-Principal Investigator.