

C.V.



NAME: PROFESSOR AQUIL AHMED

Postal Address: Department of Statistics & Operations Research,
A.M.U. Aligarh.

Residence: 503, Castle Apartment, Opposite Crown Regency, Anoopshahar
Road, Aligarh-202001

ACADEMIC QUALIFICATIONS

- **Ph.D.-** University of Roorkee, Roorkee (Presently Indian Institute of Technology, Roorkee), India-1997.
- **M. Phil-** Aligarh Muslim University, Aligarh in 1988.
- **M.Sc.-** Aligarh Muslim University Aligarh in 1983 with First Division
- **B.Sc. (Honours)-** Aligarh Muslim University Aligarh in 1981 with First Division
- **Teaching Experience:** More than Thirty Years .
- **Specialization:** Operations Research, Bayesian Statistics

Administrative Experience/Positions held:

- (i) Dean, Faculty of Physical & Material Science, University of Kashmir, Srinagar, 01-04-2013 to 02-05-2014.
- (ii) Founder Head, Department of Statistics, University of Kashmir, Srinagar and served the Department as Head w.e.f. 02-04-2004 to 15-12-2008 and from 27-07-2011 to 02-05-2014
- iii) Coordinator Ph.D. Admissions, Department of Statistics and O.R., A.M.U. Aligarh 2014-16
- iv) Coordinator PG-Admissions Admissions, Department of Statistics and O.R., A.M.U. Aligarh 2014-continue
- v) Vice President: Indian Society for Probability & Statistics 201-16
- vi) Advisory Member, SAP Committee, DRS (II) Banaras Hindu University, Varanasi 2017-continue
- vii) Associate Editor, ISPS Journal , Springer
- viii) Deputy Nodal Officer NAAC, Faculty of Science, A.M.U. Aligarh. 2016-continue.
- xi) Hon. Secretary, Aligarh Chapter of Operational Research Society of India 2015 -continue

Positions Held:

University/Institution (place of work)	Period		Job Title (Academic Rank)	Nature of duties
	From	To		
Interdisciplinary Centre of Development Studies, A.M.U.Aligarh	01-02- 1985	31-07- 1985	Statistical Assistant	Collection of Socio-Economic data and its tabulation
Interdisciplinary Centre of Development Studies, A.M.U.Aligarh	01-10- 1985	08-03- 1988	Research Assistant	Data analysis and report writing on Socio-Economic data
University of Kashmir, Srinagar	09-03- 1988	04-04- 1997	Assistant Professor	Research & Teaching
University of Kashmir, Srinagar	05-04- 1997	29-12- 2005	Associate Professor	Research & Teaching
University of Kashmir, Srinagar	30-12- 2005	16-12- 2008	Professor	Research & Teaching
Qassim University,KSA	17-12- 2008	26-06- 2011	Professor	Research & Teaching
Kashmir University, Srinagar	27-06- 2011	Continue	Professor	Research & Teaching
A.M.U.Aligarh	03-05- 2014	Continue	Professor	Research & Teaching

Training Courses Undergone

S.No.	Programme	Duration	Organized by
1.	General Orientation Course under the University Grants Commission 1989.	21 Days	Academic Staff College, University of Kashmir, Srinagar,
2.	I-Winter School on the Use of Statistical Softwares (MINITAB, SPSS and BMDP) from Dec.9-26, 1991, at.	21 Days	Indian Statistical Institute, Calcutta
3.	Refresher Course on Computer Based Numerical Analysis from July 19-August 8, 1993.	21 Days	UGC at U.O.R.Roorkee
4.	Refresher Course on Optimization Techniques & Their Applications from Nov.29-Dec.19, 1994	21 Days	UGC at U.O.R.Roorkee
5.	Second Winter School on Spatial Analysis and Exploration of Large Size Data Analysis using GIS Packages from Feb.6 th –23 rd , 2001.	21 Days	Indian Statistical Institute, Calcutta
6.	Multimedia Course E-content Development conducted by from 4-27 th April, 2006.	23 Days	Consortium for Educational Communication (UGC) at AVRC Srinagar
7.	Official Statistics 19-23 November, 2012	5 Days	National Academy of Statistical Administration (NASA), NOIDA ,India

Publications:

S.No.	Title, Volume, Pages and Year of Publication
1.	An Improved Estimate on the Degree of Approximation to Functions of Bounded Variation By Certain Beta Operators, Revista Columbia de Mathematica, Vol.29, pp.119-126, 1995
2.	Simultaneous Approximations By Modified Beta Operators, Journal of Mathematics, University of Istanbul, Turkey , Vol.54, pp.11-22, 1995
3.	Symmetric Duality in Static And Continuous Fractional Programming, Optimization , Vol.39 pp.41-56, 1997
4.	Symmetric Duality for Multiobjective Variational Problems, Journal of Mathematical Analysis And Applications, Vol. 210, pp.22-38, 1997
5.	Multiobjective Symmetric Duality with Invexity, Bulletin of Australian Math. Society , Vol.56, pp. 25-36, 1997
6.	Sufficiency in Non-differentiable Fractional Minimax Programming, The Aligarh Bulletin of Mathematics, Vol.,23, Nos.1-2, pp 117-122, 2004
7.	Optimality & Duality for Multiobjective Control Problems, Journal of Applied Analysis , Vol. 11, pp. 223-243, 2005
8.	Duality in Non-differentiable Fractional Minimax Programming, Journal of

	Indian Society of Statistics and Operations Research, Vol.XXVI, NO. 1-4, pp. 13-25, 2005
9.	Symmetric Dual Fractional Programs with Generalized Convexity, Aligarh Bulletin of Mathematics Vol.24, Nos.1-2, pp. 35-43, 2005
10.	Mixed Type Duality for a Variational Problem with Strong Pseudo-invex Constraints, Sochow, Journal of Mathematics, Vol. 32, No.4, pp. 589-603, 2006
11.	Symmetric Duality for Fractional Variational Problems with Cone Constraints, Journal of Applied Mathematics and Computing Vol. 23, NO.1-2, pp. 281-292 , 2007
12.	Bayesian Analysis of Weibul and Extreme Value Distributions in SPLUS and R softwares, International Journal of Agricultural Science, Vol.3.No.1 pp. 175-188, 2007
13.	Exploratory Data Analysis in SPLUS, International Journal of Agricultural Science, Vol.3, No.2, pp. 403-408, (2007).
14.	Bayesian Analysis of Exponential Distribution in SPLUS and R Softwares, Sri Lankan Journal of Applied Statistics Vol. 8. pp. 95-109, 2007
15	Non-differentiable Second Order Self and Symmetric Dual Multiobjective Programs, J. Appl. Math. & Informatics, Vol.26, No.3-4, pp.549-561,2008.
16.	Monte Carlo Simulation of Distributions Using R Software, International Journal of Agricultural Statistical Science, Vol.4.No.2 pp. 507-518,2008
17.	Sufficiency and Duality in Control Problems with Generalized Convexity, Journal of Applied Analysis, Vol.14, No. 1, pp. 27-42, 2008
18.	Association Between Copper Excess, Zinc Deficiency, and TP53 Mutations in Esophageal Squamous Cell Carcinoma From Kashmir Valley, India—A High Risk Area, , Vol. 60, Issue 5, pp. 585 – 591, 2008
19.	Mixed Type Duality for Control Problems with Generalized Invexity, Journal of Appl. Math. & Informatics Vol. 26, no. 5 - 6, pp. 819 – 837, 2008.
20	Mixed Type Second Order Duality with Support Functions, J. Appl. Math. & Informatics, Vol. 27, No.6, pp., 1381-1395,2008
21.	Multiobjective Continuous Programming Containing Support Functions, J. Appl. Math. & Informatics, Vol. 27,no. 3 - 4, pp. 603 – 619, 2009
22.	Optimality and Duality for Non-differentiable Multi-objective Variational Problems with Higher Order Derivatives, European Journal of Pure and Applied Mathematics, Vol. 2, No. 3, pp. 372-400, 2009.
23.	Second-order Duality for Variational Problems, European Journal of Pure and Applied Mathematics, Vol. 2, no. 2, pp.278-295, 2009
24.	Optimality Criteria and Duality for Multiobjective Variational Problems involving Higher Order Derivatives, Journal Appl. Math. & Informatics Vol. 27, no. 1 - 2, pp. 123 – 137, 2009.
25.	Applications of S-Plus in Data Analysis, International Journal of Agricultural Science Vol.5, No.1, pp. 231-250, (2009)
26.	Seasonal History and Distribution of Shot- hole borer, Scolytus nitidus Schedl (Coleoptera: Scolytidae) on Apple Tress in Kashmir, SKAUST Journal of Research Vol.11, pp.33-139
27.	Mixed Type Multiobjective Variational Problems with Higher Order Derivatives Journal of Appl. Math. & Informatics, Vol. 27, no. 1 - 2, pp. 245 – 257, 2009.
28	On Multiobjective Non-linear Programmig with Support Functions, Journal of

	Applied Analysis, Vol.16, pp.171-187, 2010
29.	Bayesian Analysis of Location-Scale Family of Distributions Using SPLUS and R Softwares, Journal of Modern Applied Statistical Methods, Vol.9(2), pp.568-578, (2010)
30.	A Method: Solving Non-linear Programming Problem, Vol.6, Number 1, Global Journal of Pure and Applied Mathematics, pp. 45-52, 2010.
31.	On Mixed Type Duality for Multiobjective Programming Containing Support Functions, Journal of Mathematical Sciences, Vol.2, No.1, pp.35-44, 2010
32.	Active Constraints in Mathematical Programming Problems, Global Journal of Mathematical Sciences: Theory and Practical Vol.2, Number 3, pp. 99-103, 2010.
33.	Bayesian Analysis of Gamma Distribution Using S-PLUS and R Softwares., <i>Asian Journal of Mathematics and Statistics</i> , Vol. 4, No.4, pp.224-233, 2011
34.	Bayesian Regression Analysis Using S-PLUS and R Softwares., <i>Pakistan Journal of Social Sciences</i> , Vol. 8, No.3, pp. 125-131, 2011.
35.	Bayesian Regression Analysis with Examples in S-PLUS and R, Journal of Modern Applied Statistical Methods, Vol. 10(1), pp. 268-276, 2011
36	In Search of Optimal Estimation, Journal of Mathematical Modeling Vol 2, pp.23-29, No. 9, 2012.
37.	Better Alternate Solutions to Mathematical Programming, International Journal of Statistics and Systems, Volume 7, Number 2, pp. 123-126, (2012).
38.	Simplex Method and Non-Linear Programming, International Journal of Computational Science and Mathematics. Volume 4, Number 3, pp. 299-303, (2012).
39.	Fritz John Type Duality in Non differentiable Continuous Programming with Equality and Inequality constraints, Studies in Mathematical Sciences, Vol.7. No.1. pp.1-4, 2013
40.	Estimation of Size biased Generalized Gamma Distribution under different loss functions, <i>International Journal of Advanced Scientific and Technical Research</i> , Vol.6. Issue 3, pp. 653-664. 2013
41.	Bayesian Analysis of Rayleigh Distribution, <i>International journal of scientific research and publications</i> Vol. 3, Issue 10, pp. 217-225, 2013
42.	On Size biased Generalized Beta distribution of first kind, <i>IOSR Journal of Mathematics</i> , Vol. 5, Issue 2, pp. 41-48, 2013
43.	On Size biased Generalized Beta distribution of second kind, <i>IOSR Journal of Mathematics</i> , Vol.5, Issue 2, pp. 49-54, 2013(a)
44.	Structural properties of length biased Beta distribution of first kind, <i>American Journal of Engineering Research</i> , Vol. 2, Issue 2, pp. 1-6, 2013(b)
45.	Bayesian estimation of parameter of Size biased Generalized Rayleigh Distribution under the extended Jaffrey's prior and new loss functions, <i>International Journal of Mathematical Research Science</i> , Vol. 1, issue 3, pp. 49-61, 2013
46.	A new class of Weighted Generalized Beta distribution of first kind and its statistical Inferences. International Journal of Research in Management Volume 6 Issue 3, pp. 49-58, 2013

47.	On new method of estimation of parameter of Size biased generalized gamma distribution, <i>IOSR Journal of Mathematics</i> Vol. 5, Issue 2, pp. 34-40, 2013
48.	Structural properties of Size biased gamma distribution, <i>IOSR Journal of Mathematics</i> Vol. 5, Issue 2, pp. 55-61,2013(b)
49.	On Size biased exponential distribution, <i>Journal of Modern Mathematics and Statistics</i> Vol.7(2), 21-25, 2013
50.	Simplex Method and Non-Linear Programming, <i>International Journal of Computational Science and Mathematics</i> , Volume 4, Number 3, pp. 299-303, 2012.
51.	Characterization and Estimation of Size Biased Generalized Rayleigh Distribution, <i>Mathematical Theory & Modeling</i> , Vol.4, No.6, 87-101, 2014
52.	Characterization and Estimation of Double Weighted Rayleigh Distribution, <i>Journal of Agriculture and Life Sciences</i> , Vol. 1, No. 2, pp. 21-28,2014
53.	On New Method of Estimation of Parameters of Size-baised Classical Gamma Distribution and Its Characterization, <i>International Journal Modern Mathematical Sciences</i> , Vol. 10(2), pp.189-200, 2014
54.	Bayesian Estimation of Size-baised Classical Gamma Distribution, <i>Journal of Reliability & Statistical Studies</i> ,Vol.0 (1), pp.31-42, 2014
55.	Improved Ratio Estimator in Simple Random Sampling, <i>Golden Research Thoughts</i> , Vol. 3(12),pp.-1-5,2014
56.	Modified Ratio Type Estimator of Two Population Means in Stratified Sampling, <i>Indian Stream Research Journal</i> ,Vol.5, pp.1-6, 2014
57.	On Some Improved Class of Ratio Estimators in Simple Random Sampling-I, <i>Tactful Management Research Journal</i> , Vol. 2(9), pp. 1-4, 2014
58.	Bayesian Analysis of Scale Parameter of the Generalized Inverse Rayleigh Model Using Different Loss Functions, <i>International Journal of Modern Mathematical Sciences</i> , Vol. 10(2), pp.151-162, 2014
59	Some important Statistical properties, Information measures and Estimations of Size biased Generalized Gamma Distribution. <i>Journal of Reliability and Statistical Studies</i> . Volume 7 (2) ,pp. 161-179, 2014
60	Bayesian Analysis of Size-Biased Generalized Gamma Distribution – A Simulation Study. <i>International Journal of Modern Mathematical Sciences</i> , 10(1) , pp. 45-59, (2014d).
61	Bayesian analysis of Size biased Exponential distribution ; <i>International Journal of Modern Mathematical Sciences</i> , 12(1) , 16-29, 2014e.
62	Characterizations and estimations of Size Biased Generalized Rayleigh Distribution. <i>Mathematical Theory and Modeling</i> , 4 (6) , pp. 87-101, 2014f
63.	A New Approach for Solving Bottleneck-cost Transportation Problems, <i>International Journal of Modern Mathematical Sciences</i> , Vol. 11(1), pp.31-39, 2014

64.	A New Method for Finding an Optimal Solution of Assignment Problem, International Journal of Modern Mathematical Sciences, 12(1), pp.10-15, 2014
65.	Bayesian Analysis of Weibull Distribution with Different Priors with Different Priors Using S-Plus and R Software, International Journal of Scientific and Technical Research, Issue 4, Vol.(1), pp.741-749,2014
66.	On Fitting Models to Annual Rainfall Data of Kashmir Valley, Ind. J. Sci. Res. And tech. Issue 2, Vol.(1),pp.46-53, 2014
67.	Decision Making in Agriculture: A Linear Programming Approach, International Journal of Modern Mathematical Sciences, Issue 13, Vol.2., pp. 160-169, 2015
68.	Characterization, Reliability and Information measures of Even-Power Weighted Generalized Gamma Distribution; Journal of Statistics Applications & Probability Letters 2 (3), pp. 247-262,2015
70.	Bayesian Analysis of Generalized Gamma Distribution using R Software. J. Stat. Appl. Pro. 4 (2), 323-335,2015
71.	Bayesian analysis of shape parameter of Lomax distribution using different loss functions, International Journal of Statistics and Mathematics Vol. 2(1), pp. 055-065, 2015
72.	Bayesian Estimation of Exponentiated Inverted Weibull Distribution under Asymmetric Loss Functions, J. Stat. Appl. Prob. 4. No. 1, 183-192 (2015)
73.	Classical and Bayesian Approach in Estimation of Scale Parameter of Nakagami Distribution," Journal of Probability and Statistics, Vol. 2016, Article ID 7581918, 8 pages, 2016.
74.	A New Algorithm for Solving Job Shop sequencing Problem, International Journal of Computer Science Engineering, 5(2), 93-100
75.	A Fuzzy Goal Programming Approach for Channel Allocation Problem Using Linear and Non-Linear Membership Functions, International Journal of Operations Research Vol. 13, No. 1, 025-034 (2016)
76.	Bayesian Analysis of Generalized Inverse Weibull Distribution. International Journal of Modern Mathematical Sciences, volume 14(2): 183 -196. (2016)
77.	Bayesian Estimation of Length Biased Nakagami Distribution. International Journal of Modern Mathematical Sciences, volume 14(2): 147 -159. (2016)
78.	Bayesian Analysis for Generalized Rayleigh Distribution. Mathematical Theory and Modeling, volume 6(5): 85 -96. (2016)
79..	Length-Biased Weighted Lomax Distribution: Statistical Properties and Application. Pakistan Journal of Statistics & O.R., volume 12(2): 245 -255. (2016)

80.	Bayesian Analysis of Lomax Distribution under Asymmetric Loss Functions. Journal of Statistics Applications & Probability Letters, volume 3(1): 35-44. (2016)
81.	Bayesian Analysis of Generalized Exponential Distribution. Journal of Modern Applied Statistical Methods, volume 15(2): 656 -670. (2016)
82.	Bayesian Estimation for the Class of Life-Time Distributions under Different Loss Functions. Statistics & Applications, volume 14(1): 75 -91.(2016)
83.	An extended multi-objective capacitated transportation problem with mixed constraints in fuzzy environment. Int. J. Operational Research, Vol. X, No. Y, xxxx (Accepted-2017)
84.	A New Algorithm for Solving Job Shop Sequencing Problem. International Journal of Computer Science Engineering, 5(2), 93-100.(2016)
85.	Transmuted Weighted Exponential Distribution and Its Application, J. Stat. Appl. Pro. 6 (1), 219-232 ,(2017)
86.	Bayesian Analysis Of Maxwell-Boltzmann Distribution Under Different Loss Functions And Prior Distributions. Pakistan Journal of Statistics, 33(6), 419-440, (2017)
87.	Characterization and Estimation of Weighted Maxwell-Boltzmann Distribution. Journal of Applied Mathematics & Information Sciences, Applied Maths, 12(1), 193-202, (2017)
88	Multi-Choice Multi-Objective Capacitated Transportation Problem (A Case Study Of Uncertain Demand And Supply). International Journal of Statistics and Management Systems (Taylor & Francis), https://doi.org/10.1080/09720510.2018.1437943
89	Efficient Fuzzy Goal Programming Model For Multiobjective Production Distribution Problem. International Journal of Applied and Computational Mathematics, (SPRINGER) (ACCEPTED)
90	SAI Method for Solving Job Shop Sequencing Problem under Certain and Uncertain Environment. Sri Lankan Journal of Applied Statistics (ACCEPTED)
91.	Modeling and Developing diabetic retinopathy risk scores on Indian type 2 diabetes patients, International Journal of Diabetes in Developing Countries, DCi 10.10007/s 13410-018-0652-z, June 2018

PAPERS AND PRESENTATIONS AT CONFERENCES AND SEMINARS

S.No.	Title of paper or presentation	Name of conference or seminar	Place	Date
1	Multiobjective Symmetric Duality with Invexity	III International Symposium on Statistics & Optimization	A.M.U.Aligarh	Dec.19-23,1995
2	Symmetric Duality with Invexity in Static & Continuous Fractional Programming	Mathematics & Its Applications in Engineering & Industry	University of Roorkee, Roorkee.	16-19 th . Dec.1997
3	Symmetric Dual Fractional Programs with Generalized Convexity	IV International Symposium on Statistics & Optimization	A.M.U.Aligarh	Dec.8-10, 1998
4	Symmetric Duality with Invexity for Multiobjective Variational Problems	International Conference on Mathematical Modeling	University of Roorkee, Roorkee.	Jan.29-31, 2001
5	Symmetric Duality with Invexity for Multiobjective Fractional Variational Problems	International Conference on Optimization and Applications ICOTA-2001	Hong Kong	Dec.15-17,2001
6	Sufficiency and Duality in Multiobjective Programming with Generalized (F, ρ)-Convexity	V -International Symposium on Optimization and Statistics	A.M.U.Aligarh	Dec.28-30, 2002
7	Mixed Type Duality for a Variational Problem with Strong Pseudo-invex: Constraints	Convention of Operations Research Society of India	IIM, Ahmedabad.	Jan.8-11, 2005
<u>8</u>	Second-Order Duality for a Class of Fractional Minimax Programming Problems	7 th Asia Pacific Operational Research Society (APORS) International Conference	Manila, Philippines	Jan.16 th –18 th 2006
<u>9</u>	Bayesian Analysis of Exponential Distribution Using S-PLUS and R-	2 nd JK Science Congress	University of Kashmir, Srinagar Srinagar	July,25-27,2006

	Softwares			
10	A New Approach for solving NLP Using Regression Analysis	National Seminar on -Emerging Trends in Statistical MethodsII	University of Jammu, Jammu	Feb.20-22,2008
11	Mathematical Programming and missing observations in Design of experiment	II National Conference on Statistical Inference, Sampling Techniques and Related Areas	A.M.U.Aligarh,	Feb.11-12, 2012
12	Role of Mathematical Sciences, Engineering and Technology in Science Education	National Conference on Science Education-Present Status and Future Prospects	Govt. Degree College, Bemina, Srinagar	March 5, 2012
13.	On Size Biased Beta Distribution of first kind	8 nd JK Science Congress	University of Kashmir, Srinagar	Sept.17-19,2012
14.	A New Method for Finding an Optimal Solution of Assignment Problem	International Conference on Optimization Modeling and Applications	University of Delhi, Delhi	Nov. 29 to Dec. 1, 2012
15.	Mathematical Programming for Decision Making	International conference on Frontiers of Statistics and its Applications	Department of Statistics, Pondicherry University, with Indian Society for Probability and Statistics.	December 21 st -23 rd ,2012
16	Ninth JK Science Congress	Ninth JK Science Congress and Regional Science Congress	University of Kashmir, Srinagar	Oct.1-3,2013
17.	Mathematical Programming IN Statistics	International conference on Statistics & Information Technology For Growing Nation	Department of Statistics, S.V. University Tirupati	Dec.1-3, 2014
18.	Bayesian Estimation of the Shape Parameter of Exponential Gamma Distribution	National Conference on Statistical Inference and Related Areas	A.M.U.Aligarh	March 24-25,2014
19.	Bayesian Analysis of Generalized Gamma Distribution Using R Software	National Conference on Statistical Inference and Related Areas	A.M.U.Aligarh	March 24-25,2014
20.	Bayesian Analysis of Generalized Exponential Distribution	National Conference on Statistical Inference and Related Areas	A.M.U.Aligarh	March 24-25,2014

21.	Contribution of India in the Development of Mathematics	National Workshop on Contribution of India in the Development of Mathematics	Department of Mathematics, Govt. Holkar Science College, Indore, M.P.	Jan.10-12,2014
22.	A New Weighted Families of Classical Gamma Distribution & Its Applications	18th Annual National Conference of Society of Statistics, Computer and Applications on Significance of Statistics As Interdisciplinary Science	Department of Statistics , University of Jammu, Jammu	Feb.18-20,2016
23.	Transmuted Generalized Inverse Exponential Distribution	18th Annual National Conference of Society of Statistics, Computer and Applications on Significance of Statistics As Interdisciplinary Science	Department of Statistics , University of Jammu, Jammu	Feb.18-20,2016
24.	Innovative Changes in Statistics for Humane Welfare	National Seminar on Recent Innovative Changes in Science and Technology, Humanities, Law & Commerce in Context of Humane Welfare	D.A.V.(P.G).College, Muzaffarnagar	March 29,2016
25.	Markov Chains and Their Applications	National seminar on Stochastic Processes and Applications	Department of Statistics, M.D.University, Rohtak	Nov.11,2017

Ph.D. Guided: Awarded: Ten

S.No.	Name of Student	Title of theses or dissertation	Year
1.	Sheikh Parvaiz Ahmed	Optimization Tools in Bayesian Data Analysis	2006
2.	Mashoob Masoodi	On Duality Theory in Mathematical Programming	2011
3.	Rumana Gulzar Mattoo	Some Contributions to Optimality Criteria and Duality in Multiobjective Mathematical Programming	2011
4.	Khurshid Ahmad Bhat	Some Aspects of Mathematical Programming in Statistics	2012
5.	Bilal Ahmad	<i>On Some Aspects of Duality in Variational Problems and Optimal Control</i>	2013
6.	Javid Ahmed Reshi	On Some Contributions to Size-biased Probability Distributions	2014
7.	Abdul Raoof Shah	On Constrained Optimization	2014
8.	N.A.Sofi	Applications of Statistical Models and	2015

		Optimization Techniques in Agriculture	
9.	Kaiser Ahmed	Classical and Bayesian estimation of continuous probability distributions	2016
10	Afaaq Ahmed	A New Approach to Probability Distributions	2016

M.Phil Supervised: Fifteen

Referee: Refereed research articles of many international journals

Expert in Selection Committee: Participated as an expert in the Selection Committee of University Teachers

Participated in the Review of Mathematics and Statistics Curriculum at +2 Stage Day , 19-27 July,1999 J&K State Board of Education Deptt of Mathematics and Statistics, University of Kashmir, Srinagar

Course Director: Conducted a three week Refresher Course in Mathematics and Statistics during 23rd August to 12th September, 2007 at the UGC Academic Staff College, University of Kashmir, Srinagar.

Course Coordinator: Conducted one Week Research Methodology Course for Research Scholars, Faculty of Science during August 25-September 1, 2012 at the UGC Academic Staff College, University of Kashmir, Srinagar.

Course Director: Conducted three week Refresher Course in Basic and Applied Sciences during May 7-27,2013 at the UGC Academic Staff College, University of Kashmir, Srinagar.

Course Director: Conducted one Week Research Methodology Course Refresher Course for teachers and research scholars at the UGC Academic Staff College, University of Kashmir, Srinagar, March,2014.

Course Coordinator: Conducted one Week Workshop on "Statistics and Optimization Techniques using Software Packages" March 26-31,2018

Course Coordinator: Conducted one Week Workshop on "Statistics and Optimization Techniques using Software Packages" May 7-12,2018.

International Conferences Organized:

1. Organized an International Conference on New Trends in Statistics & Optimization in conjunction with the Indian Society for Probability and

Statistics as General Chair of the Conference held during October 20-23, 2008 at the University of Kashmir, Srinagar-India.

2. Organized an International Conference on Operations Research for Data Analytics and decision Analysis in conjunction with the Operational Research Society of India as General Chair of the Conference held during October 21-23,2013, at the University of Kashmir, Srinagar-India.

3. Organized VIII International Symposium on Statistics and Optimization in conjunction with XXXVI-Annual Convention of Indian Society for Probability & Statistics (ISPS) as Organizing Secretary at the Department of Statistics & O.R., A.M.U. Aligarh during Dec. 19-21,2016.

BOOK WRITTEN

- **BIOINFORMATICS & BIO-STATISTICS (CO-AUTHORED WITH A. MASOOD)- 2002.**

Courses Taught at P.G. Level

- **Advanced Operations Research**
- **Mathematical Statistics**
- **Statistical Inference**
- **Stochastic Processes**
- **Applied Statistics**
- **Statistical Computing (Fortran, C++, SPSS, MINITAB and R)**
- **Research Methodology**
- **Sample Survey Projects**

Extension Lectures

S.No.	Title of Lecture/Academic Session	Title of Conference / Workshop	Organized by/Period
1	MINITAB-Software	Workshop on Training for Agricultural Scientists	S.K. University of Agricultural Science and Technology, Srinagar, Dec.1999
2	Statistics for College Teachers	Workshop, College Training Programme,	JK State Govt, Jan.1999..
3	Statistical Techniques	Training Course for	Institute of Management

	For Administrators	Members of the Combined Services (KAS Probationers)	and Public Administration (IMPA), Srinagar, J&K July, 2000
4	Introduction to Statistical Softwares SPSS/MINITAB	Workshop on Training for Agricultural Scientists	S.K. University of Agricultural Science and Technology, Srinagar
5	Computer Applications in Agricultural Research	Workshop on Training for Agricultural Scientists	S.K. University of Agricultural Science and Technology, ct., Srinagar 2001
6	Statistics-Uses and Utility :Training Course for Members of the Combined Services(KAS Probationers)	Training Course for Members of the Combined Services (KAS Probationers)	Institute of Management and Public Administration (IMPA), Srinagar, J&K ,May, 2002
7	Research Methodology	Research Methodology for Research Scholars	Dept. of Management Studies, University of Kashmir, Srinagar, Oct. 2002
8	Analysis of Botanical Data	Refresher Course in Botany	UGC Academic Staff College, University of Kashmir, Srinagar, 2003
9	Biostatistics	Refresher Course in Zoology	UGC Academic Staff College, University of Kashmir, Srinagar, 2003
10	Quantitative Techniques for NET	University of Kashmir, Srinagar	June, 2003
11	Regression, Analysis of Variance Training Course for Members of the Combined Services (KAS Probationers)	Training Course for Members of the Combined Services (KAS Probationers)	Institute of Management and Public Administration (IMPA), Srinagar, J&K , Oct., 2004
12	Biostatistics	One Week Workshop, Biostatistics and Bio-informatics ,Training Course	Bio-informatics Center, Dept. of Commerce, University of Kashmir, Srinagar ,2002-2004
13	Applications of Statistics and Statistical Softwares in Business and Economics	Refresher Course in Commerce, & Management and Economics	UGC Academic Staff College, University of Kashmir, Srinagar, 2004
14	Statistical Methods in Research	40 th General Orientation Course	UGC Academic Staff College, University of Kashmir, Srinagar, 2004
16	Statistics-Uses and Utilities Training Course for Members of the Combined Services (KAS Probationers)	Training Course for Members of the Combined Services (KAS Probationers)	Institute of Management and Public Administration (IMPA), Srinagar, J&K , Oct. 2004
17	Optimization Techniques	Refresher Course in Mathematics	UGC Academic Staff College, University of Kashmir, Srinagar, 2007

18	Statistical Methods in Research	Refresher Course in Computer Applications	UGC Academic Staff College, University of Kashmir, Srinagar, 2007
19	Applications of Statistics, Uses of Statistics in Library Science, Tests of Significance and Statistical Softwares	Refresher Course in Library Science	UGC Academic Staff College, University of Kashmir, Srinagar, 2008
20	On the Applications of Mathematical Programming	International Workshop on -Advanced Mathematical Programming Techniques for Young Teachers and Researchers Dravidian University, Kuppam, Karnataka – A.P.	26-30 March, 2008
21	Basic Measures of Statistics with their interpretations	55 th General Orientation Course	UGC Academic Staff College, University of Kashmir, Srinagar, 2012
22	Statistics for Earth Science and MINITAB for Statistics	One Week Short Term Course for Research Scholars of Science Faculty	UGC Academic Staff College, University of Kashmir, Srinagar, 2012
23	Statistics for Teachers and Statistical Software's	58 th General Orientation Course	UGC Academic Staff College, University of Kashmir, Srinagar, 2012
24	Regression Diagnostics and , Statistical Software for Social Scientists	Refresher Course in Social Science and Humanities	UGC Academic Staff College, University of Kashmir, Srinagar, 2012
25	Descriptive Statistics for Library and Use of Statistical Softwares for Library Science	Refresher Course in Library and Information Science	UGC Academic Staff College, University of Kashmir, Srinagar, 2012
26	Mathematical Programming and Statistics	A Series of Lectures Under SAP of UGC Programme	A.M.U. Aligarh Feb. 11-12, 2012
27	Role of Mathematical Sciences in Science Education	National Conference on Science Education- Present Status and Future Prospects,	Govt. Degree College, Bemina, March , 2012
28	Multivariate Analysis, Discriminant Analysis, Tests of Significance and Regression Diagnostics	One Week Sort Term Course for Research Scholars of science Faculty	UGC Academic Staff College, University of Kashmir, Srinagar, 2012
29.	SPSS for Data Analysis for Economics and Related Disciplines	Workshop on Research Methodology and Application of SPSS for DATA Analysis for Economics and Related Disciplines for SC/ST Scholars	Department of Statistics, University of Jammu, Jammu Feb. 18-27, 2013
30	MINITAB for Data	Workshop on Research	Women's Studies,

	Analysis in Economics	Methodology in Economics	A.M.U.Aligarh, July,2014
31.	MINITAB for Data Analysis in Commerce	Workshop on Research Methodology in Commerce	Department of Commerce, A.M.U.Aligarh, August 2014
32.	Mathematical Programming & Statistics in Decision Making	National Conference on Recent trends and Developments in Statistics	Department of Statistics, M.D. University, Rohtak, Haryana, Feb.21-23, 2015
33.	Improved Chain Ratio Type Estimator	Vth National Conference on Statistical Inference and Related, Sampling Techniques and Related Areas	Department of Statistics and Operations Resaerc, A.M.U.Aligarh March 24-25,2015
34.	Statistics for Decision Making	National seminar on Recent Innovative Changes in Science and Technology, Humanities, Law & Commerce in Context of Human Welfare.	D.A.V.(P.G.) College Muzaffarnagar March 29, 2016
35.	MINITAB for Data Analysis	Department of Agriculture Economics and Management	A.M.U.Aligarh,Jan.21-22, 2016
36.	Mathematical Programming & Statistics in Decision Making	Invited Talk	M.D. University, Rohtak, Haryana
37.	Mathematical Modeling of Real Life Problems/ Sample Size Selection	National Workshop on Mathematical Modeling and Simulation	Central University of Rajasthan, Ajmer, March 16-17,2016
38.	Exploratory Data Analysis, Regression Diagnostics Using MINITAB and SPSS	Short Term Course on Data Analysis/SPSS & MINTAB at Murshidabd West Bengal	UGC Human Resource Center Development Center, A.M.U.Aligarh, 25-31 Dec.2016
39.	Exploratory Data Analysis, Regression Diagnostics Using MINITAB and SPSS	Short Term Course on Data Analysis/SPSS & MINTAB at A.M.U.Aligarh	UGC Human Resource Center Development Center, A.M.U.Aligarh,29 Dec-4 Jan.,2016
40.	Exploratory Data Analysis, Regression Diagnostics Using MINITAB and SPSS	Short Term Course on Data Analysis/SPSS & MINTAB at Integral University, Lucknow.	UGC Human Resource Center Development Center, A.M.U.Aligarh, 02-08,Feb. 2016
41.	Exploratory Data Analysis, Regression Diagnostics Using MINITAB and SPSS	Short Term Course on Data Analysis/SPSS & MINTAB at Karim City College Jamshedpur	UGC Human Resource Center Development Center, A.M.U.Aligarh, May16-22,2016
42.	Exploratory Data Analysis, Regression Diagnostics Using MINITAB and SPSS	Short Term Course on Data Analysis/SPSS & MINTAB Allana Institute of Management, Pune	UGC Human Resource Center Development Center, A.M.U.Aligarh, May 03-09,2016
43.	Exploratory Data, Applications of SPSS and MINITAB	One Week Workshop on Research Methodology	UGC Human Resource Center Development Center, University of

			Kashmir, Srinagar May 24-25, 2016
44.	Sample Surveys and Data Analysis	National Workshop on Sample Surveys and Data Analysis	Department of Statistics, M.D. University, Rohtak,
45.	Stochastic Processes with Applications	Statistics and Optimization Techniques in conjunction with 2 nd Convention of -Indian Association for Reliability and Statistics (IARS)	Department of Statistics, M.D. University, Rohtak, Feb. 11-13, 2017.
46.	On the Use of MINITAB	4th National Workshop on Scientific Computational Techniques (SCT)	Department of Mathematics and Statistics, School of Basic Sciences, Manipal, Jaipur, July 20-22, 2017
47.	Stochastic Programming Modeling	National Seminar on Stochastic Modeling and Optimization Methods	Department of Statistics, Pondicherry University, Puducherry, India, Jan.30-31, 2018

FOREIGN VISITS

- Visited Hong Kong from Dec.15-18, 2001 to present a research paper in the International Conference on Optimization & Its Applications.
- Visited Manila, Philippines Jan.15-18, 2006 to present a research paper in the Asia Pacific Operational Research Society International Conference.
- Served Qassim University, Kingdom of Saudi Arabia as Professor of Statistics w.e.f. Dec.16, 2008 to June 26, 2011.
- Served as Visiting Professor of Decision Science, Asian Institute of Technology, Pathumthani, Bangkok, Thailand under GOI Program w.e.f. Sept. 2, 2016 to Dec 4, 2016.

MEMBERSHIP OF ACADEMIC BODIES

- Life Member, International Working Group on Generalized Convexity, USA.
- Life Member, Indian Society for Probability and Statistics, India.
- Life Member, Operational Research Society of India

COMPUTER USE

Full working knowledge of Fortran-77 & C++ , MINITAB, SPSS, R and TORA

Co-Curricular Activities, Extension, Professional Development

- Secretary, Statistical Association, Department of Statistics, A.M.U. Aligarh

- President, Mathematical Colloquium, University of Roorkee, Roorkee, 1994-1995
- Incharge, Colloquium Lectures, Department of Mathematics and Statistics, 1997-2004
- Undertaken the Educational Tour of M.A./M.Sc. Students to Mumbai during 2004 and Bangalore during 2006
- Member Sports Council, University of Kashmir, 2007

Contribution to Corporate Life and Management of the Institution:

- Member, B.Ed. Admission Committee, University of Kashmir, Srinagar, -2003
- Member M.A./M.Sc. Entrance, Science Faculty, University of Kashmir, Srinagar 1997
- Member M.A./M.Sc. Entrance, University of Kashmir, Srinagar, 1997-2000
- Member Transport Committee, University of Kashmir, Srinagar, 2003 & 2012-2014

Professional Development Related Activities

- Member, Panel Discussion on CDC Curriculum of Statistics, UGC, 1998
- Member, U.G. Board of Studies in Economics, University of Kashmir, Srinagar, 1998
- Member, Entrance Examination, Faculty of Science, University of Kashmir, Sgr, 1997-2000
- Member, Board of Studies in P.G. Department of Maths and Statistics, University of Kashmir, Srinagar, 1988-2003
- Member, Sports Council, University of Kashmir, Srinagar, 2003
- Member, B.Ed. Admission Committee, University of Kashmir, Srinagar, 2003-2004
- Member, P.G. Board of Studies in P.G. Department Biochemistry, University of Kashmir, Srinagar, 2001-2006
- Member, Academic Council, University of Kashmir, Srinagar, 2004-2008 and 2011-May, 2014
- In-charge Computer Lab, Department of Maths/Stats, 1995-2008
- Member, Departmental Research Committee, Department of Home Science, 2012-2013
- Member, Entrance Examinations Committee for all faculties, University of Kashmir, Sgr, 2006
- Member, P.G. Board of Studies in the Institute of Home Science, University of Kashmir, Srinagar, 2012
- Chairman, Chairman, Departmental Research Committee, U.G. and P.G. Board of Studies in Statistics, University of Kashmir, Srinagar, 2004-2008 and 2011 to May, 2014.
- Chairman, U.G. and P.G. Board of Studies in Statistics, University of Kashmir, Srinagar, 2004-2008 and 2011 to May, 2014.
- Member, University Council, University of Kashmir, Srinagar, 2012-2014
- Member, Board of P.G. Studies, Central University, Mahendragarh, Haryana, 2014-2015

Aligarh: 19-06-2018

Professor Aquil Ahmed