



CURRICULUM VITAE

Name : **Dr. Mirza Abdul Khalique Baig**

Date of Birth : 08-01-1962

Father's Name : Mr. Mirza Abdul Razzaque Baig

Marital Status : Married

Present Position : Associate Professor

Present Address : Post-Graduate Department of Statistics,
University of Kashmir,
Srinagar - 190 006 (J&K) India.
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Academic Qualifications:

Examination Passed	Univesity/ Board	Year of passing	Subjects	Division
Ph.D. (Statistics)	A.M.U. Aligarh	1995	Statistics	Awarded
D.C.P. (Computer Programming)	A.M.U. Aligarh	1994	Introd. to Computing, Computer Programming, P.C. based applications	Ist
M.Phil (Statistics)	A.M.U. Aligarh	1988	Statistics	Awarded
M.Sc.(Statistics)	A.M.U. Aligarh	1985	Statistics	Ist (Ist Position)
B.Sc. (Hons)	A.M.U. Aligarh	1983	Statistics, Mathematics, Physics, English.	Ist (Ist Position)

Ph.D. Topic: Application of certain measures of Information.

Research interest: Statistical Information Theory, Information Theoric
reliability, .

Teaching Experience:

Designation	Period	Class taught	Place of work
JRF/SRF	1987- 92	Under-graduate and Post-graduate Lab. Course	Department of Statistics, A.M.U. Aligarh, U. P-202002 (INDIA).
Lecturer (Part-time)	1992- 93	Under graduate classes	Women's College, A.M.U. Aligarh, U. P-202002 (INDIA).
Lecturer	23 rd June 1993 to 12 th November 2003	Post-graduate classes	Department of Mathematics & Statistics, University of Kashmir, Srinagar-190006 (INDIA)
Senior Assistant Professor	13 th November 2003 to 12 th November 2008	Post-graduate classes	Department of Statistics, University of Kashmir, Srinagar- 190006 (INDIA).
Associate Professor	13 th November 2008 to date.	Post-graduate classes	Department of Statistics, University of Kashmir, Srinagar- 190006 (INDIA)

Other Experiences:

1. Member boards of studies for Post-Graduate and under-graduate studies in Statistics.
2. Member Departmental Research committee.
3. Member admission committee, Department of statistics, University of Kashmir.
4. Member managing committee, Kashmir University Model High school, Srinagar.

Research Supervision:

1. Twelve **M. Phil** degree awarded under my supervision.
2. Seven **Ph. D. degree** awarded under my supervision.
3. Five students are pursuing Ph.D. under my supervision.
4. Supervised the statistical analysis of several **Ph.D.** students in Sociology, Education, Psychology, Botany, Zoology and **M.S./M.D.** students in medical faculty.

Reviewer:

1. Indian Journal of Mathematics.
2. Bull. Allahabad Mathematical Society

1. Post-graduate merit scholarship for the session 1983-85 of A.M.U. Aligarh
2. University medal awarded for standing first at M.Sc. (Statistics) examination 1985.
3. Junior Research Fellowship from March 1988 to February, 1990.
4. Senior Research Fellowship from March 1990 to March 1992.

Member of Learned Societies:

1. Indian Science Congress Association (ISCA) (Statistics & Computer Science), life member.
2. Indian Society of Information Theory Association, (life member).
3. Research group in Mathematical Inequalities and Application, Australia (Life member).

Conference/Symposium/Workshop attended and Research Papers presented in:

19. Participated in the , **“International conference on Operations Research for Data Analytics and Decision Analysis”** in conjunction with the 46th Annual Convention of Operational Research Society of India (ORSI), Organized by Department of Statistics, University of Kashmir, Srinagar (India), October 21-23, 2013 and Presented three papers entitled **“ Generalized Fuzzy average codeword length and their bounds; Parametric Dynamic measure of inaccuracy between two past residual life time distributions & Generalized ‘Useful’ Information Generating Function and its Applications”**.
18. Participated in the **9th J & K Science Congress**, Organized by University of Kashmir, Srinagar (India), October 1- 3, 2013 and Presented two papers entitled **“ Coding theorem on generalized weighted inaccuracy measure”** and **“Fuzzy entropy measure of order Alpha & Type Beta and their Inequalities”**.
17. Participated in the **National Conference on Function Analysis and its applications**, organized by Department of Mathematics, NIT, Srinagar, (India), November 19- 20, 2012 and presented a paper entitled **“A Study on Generalized Residual Entropy”**.
16. Participated in the **8th J & K Science Congress**, Organized by University of Kashmir, Srinagar (India), September 17-19, 2012 and Presented a paper in poster session entitled **“Some new result on Renyi’s Residual entropy function”**.
15. Participated in the **“ National Conference on Advances in** Organized by **Department of Statistics, AMU Aligarh, U.P. (India), February 11-12, 2012** and presented a paper entitled **“ Characterization of Life Time Distribution Using generalized Entropy Function”**
14. Participated in the **“ International Conference on Advances in Modeling, Optimization and Computing (AMOC -2011)**, Organized by **Department of Mathematics, IIT, Roorkee, (India), December 5-7** and presented a paper entitled **“ Characterization of Life Time Distribution Using Entropy Function”**
13. Participated in the **“Statistics2011 Canada: 5th Decennial Canadian conference in Applied Statistics and IMST2011-FIM XX: 20th Conference of the Forum for Interdisciplinary Mathematics”** , Organized by **Concordia University, Canada, July 1-4, 2011** and presented a paper entitled **“ Some new Characterization of life Time Distributions using Entropy Function”**.
12. Participated in the **4th J & K Science Congress**, Organized by University of Kashmir, Srinagar (India), November 12-14, 2008 and Presented two papers entitled **“Generalized Past Entropy for Some Life Time Models”** and **“Generalized Relative JS and AG Divergence of Type S, Csiszar’s f- Divergence and Information Inequalities”**.

with the XXVIII Annual convention of ISPS, Organized by Department of Statistics, University of Kashmir, Srinagar, (India), October 20-23, 2008 and presented two papers entitled “**Some Results on Weighted Information Measure**” and “**Generalized relative J–Divergence measure and information inequalities**”.

10. Participated in the 2nd J & K Science Congress, Organized by University of Kashmir, Srinagar (India), 25–27, July 2006 and Presented a paper entitled “**Coding Theorem on Weighted Parametric Information Measure**”.
9. Participated in the National conference on “Recent Trend in Estimation and Optimization: Theory and Applications” Organized by the Department of Statistics, Institute of Science, Nagpur (India) on January, 1-2, 2006 and Presented a paper entitled “**Generalized relative J–Divergence measure and information inequalities**”.
8. Participated in the **FIMXII-SCMA2005AUBURN**, “**XIIth Annual International Conference on Statistics, Combinatorics, Mathematics and Applications**” organized by **Department of Mathematics & Statistics, Auburn University, Alabama(USA),December, 2-4, 2005** and presented a paper entitled “**On JS and AG divergence measure and information inequalities**”.
7. Participated in the 59th Annual conference of (ISAS) Indian Society of Agricultural Statistics, Organized by SKUAST (Jammu) India, November,11-13, 2005 and Presented paper entitled “**Generalized Relative J–Divergence of type s, Csiszar f-Divergence and Information inequalities**”
6. Participated in the 5th International Symposium on Optimization and Statistics organized by the Department of Statistics, A.M.U., Aligarh (India), December, 28-30, 2002 and presented paper entitled “**Entropy and Income Inequality**”.
5. Participated in the IXth International Conference on statistics, Combinatorics and related areas organized by the Forum of Interdisciplinary Mathematics at Department of Statistics, Allahabad University, Allahabad (India) December, 21- 23, 2002 and presented paper entitled “**Entropy and Inequality**”.
4. Participated in the Workshop on Review of mathematics and Statistics Curriculum at + 2 stage conducted by the curriculum Development and Research Wing of the Jammu and Kashmir State Board of School Education at P.G. Department of Mathematics and Statistics, University of Kashmir, Srinagar in July, 19-27, 1999.
3. Participated in the 2nd Annual Conference of Indian Society of Information Theory and Applications held in February, 7- 9, 1997 at CCSHAU, Hissar (India) and presented paper entitled “**Generalized Shannon’s Inequality**”.
2. Participated in the 2nd International Symposium on Optimization and Statistics organized by the Department of Statistics, A.M.U., Aligarh (India), November, 2-4, 1993 and presented paper entitled “**Renyi’s entropy of order α and sequence of random variable**”.
1. Participated in the Ist International Symposium on Optimization and Statistics organized by the Department of Statistics, A.M.U. Aligarh (India), December, 18-21, 1989.

Research Publications:

52. “A new two parametric fuzzy divergence measure and its properties, IJARSE, Vol. 7, No.4, PP2459-2466, 2018.(ISSN-2319-8354)
- 51.” Generalized entropy of Kumara Swamy distribution based on order Statistics”,IJARSE, Vol. 7, No.4, pp.2479-2487, 2018.(ISSN-2319-8354)
50. “Coding Theorems on New Additive Information measure of order Alpha ” Pakistan Journal of Statistics, Vol.34, No.2, pp-137-161, 2018.

49. "Two parametric new generalized average code-word length and its bounds interims of new generalized inaccuracy measure and their characterization" Pakistan Journal of Statistics, Vol.34, No.2, pp-147-162, 2018.
48. "Coding theorems on new fuzzy information theory of order α and type β ", Progress in non-linear dynamics and chaos, Vol. 6, No. 1, pp.1-9, 2018 (ISSN: 2321-9238)
47. " Noiseless coding theorems of generalized useful fuzzy inaccuracy measure of order α and type β " Intern. J. Fuzzy Mathematical Archive, Vol.13, No. 2, pp. 135-143, 2017 (ISSN: 2320-3242)
46. "Some coding theorems on new generalized fuzzy entropy of order α and type β " Appl. Math.Inf.Sci.Lett., Vol. 5, No. 2, pp. 63-69, 2017 (ISSN: 2373-8944)
45. " Some coding theorems on generalized Renyi's entropy of order α and type β " Appl. Math.Inf.Sci.Lett., Vol. 5, No. 1, pp. 13-19, 2017 (ISSN: 2373-8944)
44. " Coding theorems on generalized useful fuzzy inaccuracy measure" International Journal of Modern Mathematical Sciences, Vol. 14, No. 1, pp54-62, 2016 (ISSN: 2166-286X).
43. " Generalized useful fuzzy inaccuracy measures and their bounds" International Journal of Advanced Resaerch in Engineering,Vo.3, No.6, pp.28-33, 2016 (ISSN: 2394-2819).
42. "Noiseless coding theorems on new generalized useful information measure of order α and type β , Asian journal of fuzzy and applied mathematics, Vol. 4, No.6, pp73- 85, 2016 (ISSN: 2321- 564X).
41. "New generalized measure of entropy of order α and type β and its coding theorems" International Journal of Information Science and systems, Vol.5. No.1, pp. 1-7, 2017. USA (ISSN: 2168-5754).
40. "Characterization of new two parametric generalized useful information measure" Journal of Information Science theory and practice , Vol. 4, No. 4, pp. 64-74, 2016 (ISSN: 2287-9099)
39. "Bounds on two parametric new generalized fuzzy entropy "Mathematical theory and modeling, Vol. 6, No. 7, pp.7-17, 2016, (ISSN: 2224-5804)
38. " Bounds on generalized fuzzy entropy measure" IOSR Journal of mathematics, Vol.11, No.3, Pp. 30- 37 (May- June) 2015, (ISSN: 2319-765X).
37. " Fuzzy useful R-Norms Information Measure and its bounds" IJSA, Vol.4, No.2, PP. 163-168, 2014 (ISSN: 2248-9959).
36. "Some new Results on Fuzzy Directed Divergence Measure and their Inequalities" Asia Journal of Mathematics and Statistics, Vol. 7, No. 1, pp. 1- 9 , 2014 (ISSN: 1994-5418).
35. " A Generalized Fuzzy inaccuracy measure of order α and type β and coding theorems" International Journal of Fuzzy Mathematics and Systems (IJFMS).Vol. 4, No.1, pp. 27-37, 2014 (ISSN: 2248-9440).
34. "Some New Generalizations of Fuzzy Average Code Word Length and their Bonds" American Journal of Applied Mathematics and Statistics (USA),Vol.. Vol. 2, No. 2, PP.73-76 , 2014 (ISSN (Print): 2328-7306, ISSN (Online): 2328-7292).
33. "Fuzzy coding theorem on generalized fuzzy cost measure" Asian Journal of Fuzzy and Applied Mathematics (Taiwan), Vol. 2, No.1, PP. 28- 34, Feb. 2014 (ISSN: 2321-564X).
32. "Some Coding Theorem on Fuzzy Entropy Function depending upon Parameters R AND ν " IOSR- Journal of Mathematics (India), Vol. 9, No.6, PP. 119-123, 2014.

31. "Fuzzy 'Useful' Entropy Measures and Holder's inequality" IOSR- Journal of mathematics (**India**), Vol. 8, No. 6, PP. 01- 06, 2013.
30. "Coding theorems on generalized "useful" inaccuracy measure" International Journal of Statistics and Analysis (IJSA) **India** , Vol. 3, No. 4, PP. 427-432, 2013
29. "Some Generalizations of Fuzzy Average Codeword Length and Inequalities" International Journal of Statistics and Analysis (**IJSA**) **India**, Vol. 3, No.04, PP. 393-400, 2013.
28. "A Generalized coding theorem in terms of useful information measure" Global Journal of Mathematical Science: Theory and Practical (**GJMS**) **India**, Vol.5, No.3, PP.29-36, **2013**.
27. "Generalized Relative AG Divergence of Type S and Information Inequalities" IOSR Journal of Mathematics (**India**), Vol.4, No.3, PP. 22-31, Nov- Dec. 2012.
26. "Bound on generalized average codeword length of variable length error-correcting codes" International Journal of Statistics and Systems (IJSS) India Vol. 7, No.4, pp.383-390, 2012.
25. "Characterization of life time distribution using generalized entropy function" The Antarctica Journal of Mathematics (ajm), **India**, Vol.9 No. 6, pp. 537- 549, 2012.
24. "Measure of Divergence in Survival Analysis" International Journal of Statistics and system, Vol.6, No.5, PP. 515-524, 2011.
23. "Generalized relative divergence and information inequalities" The Antarctica Journal of Mathematics, **India**, Vol. 8 ,No. 4, PP. 273-286, 2011.
22. "A comprehensive study on generalized residual entropy" Pure and Applied Matematika Sciences, **India**, Vol. 71, No. 1-2, pp. 153- 163, 2010.
21. "Generalized past entropy in survival analysis" Global Journal of Pure and Applied Mathematics, **India**, Vol. 5, No. 3, pp. 229- 237, 2009.
20. "Upper and lower bounds for Csiszar f- divergence in terms of Harvda- Charvat measure of directed divergence and applications " Pure and Applied Matematika Sciences, **India** Vol. LXX, No. 1-2, PP. 87-99, September 2009.
19. "Generalized residual information measure and its property" JIPAM, **Australia** Vol. 10, No.3, pp. 174-181, 2009.
18. "Some new results on survival exponential entropy" Bulletin of the Allahabad Mathematical Society, **India**, Vol. 24, PP.91-98, 2009.
17. "Survival and generalized survival exponential entropy of Pareto I & II kind distribution" The Antarctica Journal of Mathematics, **India**, Vol. 5 (1), PP. 87-96 2008.
16. "Some Results on Survival Exponential Entropy" Int. J .Pure. Appl. Math. **Bulgaria**, Vol. 49, No. 1, PP. 13-20, 2008 .
15. "Generalized residual entropy function and its applications" European Journal of Pure and Applied Mathematics (EJPAM) **Turkey**, Vol. 1, No.4, PP. 30-40, 2008.

14. "Coding theorem on generalized cost measure" Journal of Inequalities in pure and Applied Mathematics (JIPAM), **Australia**, Vol. 9, No.1 , pp. 1- 13, 2008.
13. "Upper and lower bounds for Csiszar f- divergence in terms of symmetric J- divergence and applications" Indian Journal of Mathematics, **India**, Vol. 49, No. 3, pp. 263- 278, 2007.
12. "A new generalized bound for Csiszar f-divergence in terms of Renyi's entropy of order alpha and its applications" The Antarctica Journal of Mathematics, **India**, Vol. 4 (1), pp. 65-77, 2007.
11. "Coding theorems on a generalized information measure" J. KSIAM, **Korea**, Vol. 11, No. 02, PP. 3- 8, 2007.
10. "A class of new generalized weighted measures of directed divergence" Pure and Applied Mathematika Sciences, **India**, Vol. 65, No.1-2, pp. 1-14, 2007
9. "Some noiseless coding theorems of inaccuracy of order α and type β " Sarajevo Journal of Mathematics, **Sarajevo**, Vol. 3 (15), No.1 , pp. 137- 143, 2007
8. "Generalized divergence measure and information inequalities" JMASS, **India**, Vol.2, No.2, pp. 57-75, December 2006.
7. "Some Generalized Bounds on relative Entropies". J.KSIAM, Korea, Vol. 10, No. 2, pp. 105-121, 2006.
6. "A generalized useful inaccuracy of order α and type β and coding theorems" J. Pure. Appl. Math., **Bulgaria**, Vol. 32, No. 4, pp. 467- 474, 2006.
5. "Some generalized inequalities and their application" J. Pure. Appl. Math., **Bulgaria**, Vol. 31, No.2, pp. 253-264, 2006.
4. "Generalized Shannon's Inequality" Recent Advances in Information Theory, Statistics and Computer application" **India**, pp. 134-138, 1998.
3. "Renyi's entropy of order α and sequence of random variable" proceeding of the second International Symposium on Optimization and Statistics, **India**, Nov.02- 04, pp. 97-101, 1993
2. "Coding theorem connected with a family of measure of uncertainty involving utilities" proceeding of the second International Symposium on Optimization and Statistics, **India**, Nov. 02- 04, pp. 39- 44, 1993.
1. "Coding theorem and a measure of inaccuracy "Soochow Journal of Mathematics, **China**, Vol. 19, No. 4, pp. 369-375, October 1993.

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