

CURRICULUM VITAE

NAME: PRANAB KUMAR SEN

DATE & PLACE OF BIRTH: November 7, 1937, Calcutta, India

MARITAL STATUS: Married with two children

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EDUCATIONAL QUALIFICATIONS AND HONORS:

B.Sc. (1955) and M.Sc. (1957), Calcutta University, India; in both cases was placed in the first class (in Statistics), first in order of merit. Doctor of Philosophy in Science (Statistics) 1962, Calcutta University. Awarded S.S. Bose Gold Medal (1955) and Calcutta University Gold Medal (1957) in Statistics (for the best performance in the B.S.. and M.S.. examinations), Jubilee Scholarship (1955-57), Calcutta University and Government of India Research Training Scholarship (1958-61). Charles University, Prague Medal for outstanding contributions to Statistics (1988). McGavran Teaching Award, School of Public Health, UNC, 1996. Commemoration Medal, Czech Union of Physicists and Mathematicians, 1998. Senior Noether Award (ASA), 2002, for his lifelong achievement in research and teaching (nonparameters).

PROFESSIONAL EXPERIENCES:

Professor of Biostatistics & Statistics, University of North Carolina, Chapel Hill (July 1970---); Cary C. Boshamer Professor, University of North Carolina, Chapel Hill (January 1982---). Lifetime Adjunct Professor, Indian Statistical Institute (1993-).

Associate Professor (1967-70), Visiting Associate Professor (1966-67) and Visiting Assistant Professor (1965-66), University of North Carolina, Chapel Hill; Visiting Assistant Professor of Statistics, University of California, Berkeley (1964-65). Lecturer of Statistics, Calcutta University, India (1961-64). Distinguished Visiting Professor at (i) Albert-Ludwig University, Germany (1974-75) and (ii) Bowling Green State University, Ohio (1997 Spring). UNDP-TOKTEN visitor: India (1990-91).

MEMBERSHIP TO PROFESSIONAL SOCIETIES AND HONORS:

Fellow: Institute of Mathematical Statistics (elected 1968)

Fellow: American Statistical Association (elected 1969)

Member: International Statistical Institute (elected 1973)

Honorary Fellow: International Indian Statistical Association (elected 2000)

Life Member: Calcutta Statistical Association (President 2003-2006)

EDITORIAL ACTIVITIES:

Member of the Editorial boards of (i) the Journal of the American Statistical Association (1973-79), Book review Section (1974-1983), (ii) Journal of Multivariate Analysis (1970-1977), (iii) Communications in Statistics, Series A (1972-1983) and Calcutta Statistical Association Bulletin (1981-). Advisory editor (i) Brazilian Journal of Statistics and Probability, (ii) Pakistan Journal of Statistics, (iii) Metron, and (iv) Japan Mathematical Journal.

Journal of Statistical Planning and Inference, Joint Editor-in-Chief (1980-1983), Coordinating Editor (1989-1992), Advisory Editor (1993---). Sequential Analysis, Editor (1981-1995), Associate Editor (1996-2003), and Coordinating Editor: Statistics and Decisions (1982-2002).

CONSULTATION AND RELATED EXPERIENCE:

Have been a statistical consultant to the National Heart, Lung, and Blood Institute, N.I.H., Bethesda, on their project **Arteriosclerosis**. Developed, among others, time-sequential statistical procedures in clinical trials, adopted by the Department of Biostatistics, University of North Carolina, Chapel Hill for the omnibus project on human **LIPIDS** and their impact on the risk of heart attacks. Have been a statistical consultant to the National **Reye's Syndrome Foundation** on the RSSG project of the Medical College of Virginia, Richmond, where also the time-sequential procedures are being advocated. Advisory Board on Clinical Trials, Glaxo Inc., R.T.P., N.C. (1989-1991). UNDP - TOKTEN Project, India (1990-91).

RESEARCH MONOGRAPHS AND ADVANCED TEXT BOOKS:

- (1) **Nonparametric Methods in Multivariate Analysis** (co-author: M.L. Puri), John Wiley & Sons, New York, 1971.
- (2) **Sequential Nonparametrics: Invariance Principles and Statistical Inference**. John Wiley & Sons, New York, 1981.
- (3) **Contributions to Statistics: Essays in Honor of Norman L. Johnson** (edited). North

- Holland, Amsterdam, 1983.
- (4) **Handbook of Statistics, Volume 4: Nonparametric Methods** (co-editor: P.R Krishnaiah), North Holland, Amsterdam, 1984.
 - (5) **Biostatistics: Statistics in Biomedical, Public Health and Environmental Sciences** (edited). North Holland, Amsterdam, 1985.
 - (6) **Nonparametric Methods in General Linear Models** (co-author: M.L. Puri), John Wiley & Sons, New York, 1985.
 - (7) **Theory and Applications of Sequential Nonparametrics**. SIAM Publication (CBMS-NSF), Philadelphia, 1985.
 - (8) **Goodness of Fit** (co-editor with Pal Revesz and Karoly Sarkadi), North-Holland, Amsterdam, 1986.
 - (9) **Handbook of Sequential Analysis** (co-editor: B.K. Ghosh), Marcel Dekker, N.Y. 1991.
 - (10) **Pitman's Measure of Closeness: A Comparison of Statistical Estimators** (co-authors: J.P. Keating and R.L. Mason), SIAM, Philadelphia, 1993.
 - (11) **Large Sample Methods in Statistics: An Introduction with Applications** (co-author: J.M. Singer), Chapman and Hall, 1993.
 - (12) **Order Statistics and Nonparametrics: Theory and Applications** (co-editor: I. A. Salama), North Holland, Amsterdam, 1992.
 - (13) **Stochastic Processes, a Festschrift in honour of Gopinath Kallianpur** (co-editors: S. Cambanis, J.K. Ghosh, R.L. Karandikar), Springer-Verlag, New York, 1993.
 - (14) **Collected Works of Wassily Hoeffding** (co-editor: N. I. Fisher), Springer-Verlag, 1993.
 - (15) **Statistical Theory and Applications: Papers in Honor of Herbert A. David** (co-editor H.N. Nagaraja and D. Morrison), Springer-Verlag, New York, 1995.
 - (16) **Robust Statistical Procedures: Asymptotics and Inter-relations** (co-author: J. Jurečková), John Wiley & Sons, New York, 1996.
 - (17) **Sequential Estimation** (co-authors: M. Ghosh and N. Mukhopadhyay), John Wiley & Sons, New York, 1997.
 - (18) **Theory of Rank Tests**, 2nd Edition (co-authors: J. Hajek and Z. Sidak). Academic Press, United Kingdom. 1999.
 - (19) **Handbook of Statistics, Volume 18: Bioenvironmental and Public Health Statistics**, Edited by P. K. Sen and C. R. Rao. Elsevier, Amsterdam, June 2000, 1100 pages.

- (20) **Perspectives in Statistical Sciences**, Edited by A. Basu, J. K. Ghosh, P. K. Sen and B. K. Sinha. Oxford India, Delhi. September 2000, 304 pages.
- (21) **Constrained Statistical Inference: Inequality, Order, and Shape Restrictions**, M. J. Silvapulle and P. K. Sen. Wiley InterScience, New York, 2004, 532 pages.
- (22) **Excursions in Biostochastics: Biometry to Biostatistics to Bioinformatics**, Invited Lecture Notes, No. 5, Academia Sinica, Taipei, Taiwan, 2004, 205 pages.

PARTICIPATIONS IN SCIENTIFIC SYMPOSIA:

During 1999-2006, presented Invited Papers in more than 50 Symposia; twelve of these presentations were plenary and keynote talks.

PH.D. GUIDANCE

Served as the adviser and supervised the doctoral dissertations of the following persons (all at the University of North Carolina, Chapel Hill):

1. R.R. Obenchain	(Mathematical Statistics)	1969
2. M. Ghosh	(Mathematical Statistics)	1969
3. T.M. Gerig	(Mathematical Statistics)	1971
4. K. Dutta	Mathematical Statistics)	1971
5. G.W. Williams	(Biostatistics)	1972
6. R.F. Woolson	(Biostatistics)	1973
7. M.R. Mahmoud	(Biostatistics)	1973
8. Y. Hochberg	(Biostatistics)	1974
9. K.L. Monti	(Biostatistics)	1975
	(co-adviser: D. Quade)	
10. H. Majumdar	(Biostatistics)	1976
11. C. Silva	(Biostatistics)	1977
	(co-adviser: D. Quade)	
12. J.C. Gardiner	(Mathematical Statistics)	1978
	(co-adviser: G. Simons)	
13. Y. Tsong	(Mathematical Statistics)	1979
14. V.M. Chinchilli	(Mathematical Statistics)	1979
15. F.E. Harrell, Jr.	(Biostatistics)	1979
16. A.N. Sinha	(Biostatistics)	1979
17. E.R. DeLong	(Biostatistics)	1979
18. S.I. Bangdiwala	(Biostatistics)	1980
19. Y.C. So	(Mathematical Statistics)	1981
20. I.N. Agung	(Biostatistics)	1981
21. K. Kouri	(Biostatistics)	1981
22. G. Feeney	(Biostatistics)	1982
	(co-adviser: M. Symons)	
23. M.N. Boyd	(Biostatistics)	1982
24. J. Singer	(Biostatistics)	1983

25.	D.L. Hawkins	(Biostatistics)	1983
26.	R.A. Smith	(Mathematical Statistics) (co-adviser: W. Hoeffding)	1983
27.	Y.C. Yuan	(Biostatistics)	1984
28.	R.W. Falk	(Biostatistics)	1985
29.	D. Hoberman	(Biostatistics)	1986
30.	A.R. Karmous	(Biostatistics)	1986
31.	M.T. Tsai	(Mathematical Statistics)	1987
32.	G.R. Jerdack	(Biostatistics)	1987
33.	D.C. Trost	(Biostatistics)	1988
34.	D. Sengupta	(Mathematical Statistics)	1988
35.	Rick Williams	(Biostatistics)	1988
36.	C.Y. Wada	(Biostatistics)	1988
37.	S.A. Murphy	(Mathematical Statistics)	1989
38.	J.I. Crowell	(Mathematical Statistics)	1990
39.	J.J. Ren	(Mathematical Statistics)	1990
40.	L.J. Edwards	(Biostatistics)	1990
41.	Nelson Oliveira	(Biostatistics) (co-advisor: D. Quade)	1992
42.	Subha Das	(Mathematical Statistics)	1993
43.	Ming Zhang	(Mathematical Statistics)	1993
44.	Ralph DeMasi	(Biostatistics) (co-advisor: B. Qaqish)	1994
45.	S. Munoz	(Biostatistics) (co-advisor: S. I. Bangdiwala)	1995
46.	A. Pedroso de Lima	(Biostatistics)	1995
47.	Habib El-Moalem	(Biostatistics)	1995
48.	Moh. A. Chaudhary	(Biostatistics)	1995
49.	Kentaro Hayashi	(Psychometry)	1996
50.	Zhenwei Zhou	(Mathematical Statistics)	1996
51.	Pai-Lien Chen	(Biostatistics)	1996
52.	Solange Andreoni	(Biostatistics)	1996
53.	Stoffel Moeng	(Biostatistics) (co-advisor: C.M. Suchindran)	1996
54.	Ho Kim	(Biostatistics)	1996
55.	Lin X. Clegg	(Biostatistics) (co-advisor Jianwen Cai)	1997
56.	Mario Chen Mok	(Biostatistics)	1997
57.	Maha Karnoub	(Biostatistics) (co-advisor Françoise Seillier-Moiseiwitsch)	1997
58.	Hildete P. Pinheiro	(Biostatistics) (co-advisor Françoise Seillier-Moiseiwitsch)	1997
59.	H.-C. Tien	(Biostatistics)	1998
60.	Michael Marion	(Mathematical Statistics)	1998
61.	J. E. MacDougal	(Biostatistics)	1999
62.	Ming Zhong	(Biostatistics) (co-advisor J. Cai)	1999
63.	Antonio J. Sanhueza	(Biostatistics)	2000
64.	H. Chakravarty	(Dr.P.H. Biostatistics)	2000

		(co-advisor R. Helms)	
65.	Karen Kessler	(Biostatistics)	2000
66.	Dubois Bowman	(Biostatistics)	2000
		(co-advisor P. Stewart)	
67.	Joe Galanko	(Biostatistics)	2000
		(co-advisor D. Quade)	
68.	Chula Komoltri	(Dr. P.H. Biostatistics)	2001
		(co-advisor K. Bangdiwalla)	
69.	Jianmin Wang	(Biostatistics)	2001
		(co-advisor C. M. Suchindran)	
70.	Kouros Owzar	(Mathematical Statistics)	2002
71.	Stephanie Cano	(Biostatistics)	2003
		(co-advisor C. M. Suchindran)	
72.	Tejas Desai	(Biostatistics)	2003
73.	Lan Kong	(Biostatistics)	2003
		(co-advisor Jianwen Cai)	
74.	Szu-Yun Leu	(Biostatistics)	2003
75.	Inkyung Jung	(Biostatistics)	2004
76.	Lily Wang	(Biostatistics)	2004
77.	George Capuano	(Biostatistics)	2005
78.	Munni Begum	(Dr.P.H., Biostatistics)	2005
79.	George Luta	(Biostatistics)	2006
		(co-advisor: Gary Koch)	
80.	Munsu Kang	(Biostatistics)	2007
81.	C. Lim	(Statistics)	work in progress
82.	F. A. Silva	(Statistics)	work in progress

RESEARCH PUBLICATIONS

1. "On the measurement of attitude for U-shaped distributions", (with P.K. Bose), Calcutta Statistical Association Bulletin, 8 (1958), 31-42.
2. "On the moments of the sample quantiles", Ibid. 9 (1959), 1-20.
3. "On the estimation of the population size by the capture-recapture method", Ibid. 9 (1960), 91-110.
4. "On some convergence properties of U-statistics", Ibid. 10 (1960), 1-18.
5. "On U-shaped curves", (with P.K. Bose), Ibid. 10 (1960), 54-57.
6. "A note on large sample behaviour of the sample extreme values from distributions with finite end-points", Ibid. 10 (1961), 106-115.
7. "On some properties of the asymptotic variance of the sample quantiles and mid-ranges", Journal of the Royal Statistical Society, Series B. 23 (1961), 453-459.
8. "On studentized nonparametric multisample location tests", Annals of the Institute of Statistical Mathematics 14 (1962), 114-131.
9. "Wilcoxon's test when both variables are subject to errors", Calcutta Statistical Association Bulletin 11 (1962), 107-111.
10. "On the role of a class of quantile tests in some multisample nonparametric problems", Ibid. 11 (1962), 125-143.
11. "On the properties of U-statistics when the observations are not independent. Part one: Estimation of non-serial parameters of a stationary process", Ibid. 12 (1963), 69-92.
12. ".....Part two: Unbiased estimation of the parameter of a finite population", (with H.K. Nandi), Ibid. 12 (1963), 125-148.
13. "On the sensitiveness of Z-scores to non-normality", (with P.K. Bose), Ibid. 12 (1963), 93-96.
14. "On the estimation of relative potency in dilution (-direct) assays by distribution-free methods", Biometrics 19 (1963), 532-552.
15. "On weighted rank-sum tests for dispersion", Annals of the Institute of Statistical Mathematics 15 (1963), 117-135.
16. "Nonparametric tests for the bivariate two-sample location problem", (with S.K. Chatterjee), Calcutta Statistical Association Bulletin 13 (1964), 18-58.
17. "Tests for the validity of the fundamental assumption in dilution (-direct) assays", Biometrics 20 (1964), 770-784.
18. "On some properties of the rank weighted means", Journal of the Indian Society of Agricultural Statistics 16 (1964), 51-61.
19. "On stochastic convergence of the sample extreme values from distributions with infinite extremities", Ibid. 16 (1964), 189-200.
20. "On the asymptotic properties of a class of nonparametric tests based on the number of rare exceedances", Annals of the Institute of Statistical Mathematics 17 (1965), 233-256.
21. "Some further applications of nonparametric methods in dilution (-direct) assays", Biometrics 21 (1965), 799-810.
22. "Some nonparametric tests for the bivariate two-sample association problem", (with S.K. Chatterjee), Calcutta Statistical Association Bulletin 14 (1965), 14-34.
23. "On some permutation tests based on U-statistics", Ibid. 14 (1965), 106-126.
24. "Some nonparametric tests for m-dependent time series", Journal of the American Statistical Association 60 (1965), 134-147.
25. "On some nonparametric tests for symmetry in two-way tables", Journal of the Indian Statistical Association, 4 (1966), 125-142.

26. "On a class of c-sample weighted rank-sum tests for location and scale", (with Z. Govindarajulu), Annals of the Institute of Statistical Mathematics 18 (1966), 87-105.
27. "On nonparametric simultaneous confidence regions and tests in the one-criterion analysis of variance problem", Ibid. 18 (1966), 319-336.
28. "On a distribution-free method of estimating asymptotic efficiency of a class of nonparametric tests", Annals of Mathematical Statistics 37 (1966), 1759-1770.
29. "On a class of bivariate two-sample nonparametric tests", Proceedings of the Fifth Berkeley Symposium in Mathematical Statistics and Probability 1 (1966), 638-656.
30. "On a class of multivariate multisample rank order tests", (with M.L. Puri), Sankhya, Series A 28 (1966), 353-376.
31. "Nonparametric tests for the multivariate multisample location problem", (with S.K. Chatterjee), Essays in Probability and Statistics: Roy Memorial Volume (1966), 197-228.
32. "Rank methods for combination of independent experiments in MANOVA. Part one: two treatment multiresponse case". Ibid. (1966), 631-654.
33. "U-statistics and combination of independent estimates of regular functionals", Calcutta Statistical Association Bulletin 16 (1967), 1-14.
34. "On pooled estimation and testing heterogeneity of shift parameters by distribution-free methods", Ibid. 16 (1967), 139-152.
35. "A note on asymptotically distribution-free confidence bands for $P\{X<Y\}$ based on two independent samples", Sankhya, Series A 29 (1967), 95-102.
36. "On some permutation tests for stochastic independence, I", Ibid. 29 (1967), 157-174.
37. "Nonparametric tests for multivariate interchangeability. Part one: The problem of location and scale in bivariate distributions", Ibid. 29 (1967), 351-371.
38. "Some nonparametric generalizations of Wilks' tests for H_m , H_{vc} and H_{mvc} , I", Annals of the Institute of Statistical Mathematics 19 (1967) 451-467.
39. "On the theory of rank order tests for location in the multivariate one sample problem", (with M.L. Puri), Annals of Mathematical Statistics 38 (1967), 1216-1228.
40. "Asymptotically most powerful rank order tests for grouped data", Ibid. 38 (1967), 1229-1239.
41. "On robust estimation in incomplete block designs", (with M.L. Puri), Ibid. 38 (1967), 1587-1591.
42. "A note on the asymptotic efficiency of Friedman's χ^2_n -test", Biometrika 54 (1967), 677-679.
43. "On a class of multisample permutation tests based on U-statistics", Journal of the American Statistical Association 62 (1967), 1200-1213.
44. "On some optimum nonparametric procedures in two-way layouts", (with M.L. Puri), Ibid. 62 (1967), 1214-1229.
45. "Some aspects of the statistical analysis of the mixed model", (with G.G. Koch), Biometrics 24 (1968), 27-48.
46. "Paired comparisons for paired characteristics", (with H.A. David), Annals of Mathematical Statistics 39 (1968), 200-208.
47. "On a further robustness property of the test and estimator based on Wilcoxon's signed rank statistic", Ibid. 39 (1968), 282-285.
48. "On Chernoff-Savage tests for ordered alternatives in randomized blocks", (with M.L. Puri), Ibid. 39 (1968), 967-972.
49. "On a class of aligned rank order tests in two-way layouts", Ibid. 39 (1968), 1115-1124.
50. "On the asymptotic normality of sample quantiles for m-dependent processes", Ibid. 39 (1968), 1724-1730.

51. "Robustness of some nonparametric procedures in linear models", Ibid. 39 (1968), 1913-1922.
52. "Nonparametric confidence regions for some multivariate location problems", (with M.L. Puri), Journal of the American Statistical Association 63 (1968), 1372-1378.
53. "Estimates of the regression coefficient based on Kendall's tau", Ibid. 63 (1968), 1379-1389.
54. "Asymptotically efficient test by the method of n-ranking", Journal of the Royal Statistical Society, Series B 30 (1968), 312-317.
55. "On a class of multivariate multisample rank order tests, II", (with M.L. Puri), Sankhya, Series A 30 (1968), 22-31.
56. "On some permutation tests for stochastic independence, II", Ibid. 30 (1968), 22-31.
57. "On a class of rank order estimates of contrasts in MANOVA", (with M.L. Puri), Ibid. 30 (1968), 32-37.
58. "Simultaneous tests procedures for one-way ANOVA and MANOVA based on rank scores", (with K.R. Gabriel), Ibid. 30 (1968), 303-312.
59. "On the asymptotic theory of rank order statistics for experiments involving paired comparisons", (with M.L. Puri), Annals of the Institute of Statistical Mathematics 21 (1969), 163-173.
60. "On nonparametric T-method of multiple comparisons in randomized blocks", Ibid. 21 (1969), 329-333.
61. "Analysis of covariance based on general rank scores", (with M.L. Puri), Annals of Mathematical Statistics 40 (1969), 610-618.
62. "On a class of conditionally distribution-free tests for interactions in factorial experiments", (with K.L. Mehra), Ibid. 40 (1969), 658-664.
63. "A class of rank order tests for a general linear hypothesis", (with M.L. Puri), Ibid. 40 (1969), 1325-1343.
64. "On a class of rank order tests for the parallelism of several regression lines", Ibid. 40 (1969), 1668-1683.
65. "On a robustness property of a class of nonparametric tests based on U-statistics", Calcutta Statistical Association Bulletin 18 (1969), 51-61.
66. "A generalization of the T-method of multiple comparisons for interactions", Journal of the American Statistical Association 64 (1969), 290-295.
67. "On robust nonparametric estimation in some multivariate linear models", (with M.L. Puri), Multivariate Analysis-II (edited by P.R. Krishnaiah) Academic Press, New York, 1969, 33-52.
68. "Nonparametric tests for multivariate interchangeability. Part two: The problem of MANOVA in two-way layouts", Sankhya, Series A 31 (1969) 145-156.
69. "On the asymptotic normality of one-sample rank order test statistics", (with M.L. Puri), Teoriya Veroyatnostei i ee Primeneniya 14 (1969), 167-172.
70. "On a class of rank order tests for the identity of two multiple regression surfaces", (with M.L. Puri), Zeitschrift fur Wahrscheinlichkeitstheorie verwandte Gebiete 12 (1969), 1-8.
71. "Asymptotic theory of likelihood ratio and rank order tests in some multivariate linear models", (with M.L. Puri), Annals of Mathematical Statistics 41 (1970), 87-100.
72. "On a class of rank order tests for independence in multivariate distributions", (with M.L. Puri and D.V. Gokhale), Sankhya, Series A 32 (1970), 271-298.
73. "The Hajek-Renyi inequality for sampling from a finite population", Ibid. 32 (1970), 181-188.
74. "Asymptotic distribution of a class of multivariate rank order statistics", Calcutta Statistical Bulletin 19 (1970), 22-32.

75. "On the almost sure convergence of von Mises' differentiable statistical functions", (with M. Ghosh), Ibid. 19 (1970), 41-44.
76. "On the robust-efficiency of the combination of independent nonparametric tests", Annals of the Institute of Statistical Mathematics 20 (1970), 277-280.
77. "Nonparametric inference in n replicated 2m factorial experiments", Ibid. 20 (1970), 281-294.
78. "On the distribution of the one-sample rank order statistics", Nonparametric Techniques in Statistical Inference (edited by M.L. Puri), Cambridge University Press, New York, (1970), 53-72.
79. "On the theory of rank order estimates of location in the multivariate one-sample problem", (with M.L. Puri), Metrika 16 (1970), 58-73.
80. "A note on order statistics for heterogeneous distributions", Annals of Mathematical Statistics 41 (1970), 2137-2139.
81. "On some convergence properties of one-sample rank order statistics", Ibid. 41 (1970), 2140-2143.
82. "On bounded length sequential confidence intervals based on one-sample rank order statistics", (with M. Ghosh), Ibid. 42 (1971), 189-203.
83. "On a class of rank order tests for regression with partially informed stochastic predictors", (with M. Ghosh), Ibid. 42 (1971), 650-661.
84. "Asymptotic efficiency of a class of aligned rank order tests for multiresponse experiments in some incomplete block designs", Ibid. 42 (1971), 1104-1112.
85. "A Hajek-Renyi type inequality for stochastic vectors with applications to simultaneous confidence regions", Ibid. 42 (1971), 1132-1134.
86. "A further note on the asymptotic efficiency of Friedman's cr_2 -test", Metrika 18 (1971), 234-237.
87. "Some asymptotic simultaneous tests for multivariate moving averages processes", (with P.R. Krishnaiah), Sankhya, Series A 33 (1971), 81-90.
88. "On the Bahadur-representation of sample quantiles in some stationary multivariate auto-regressive processes", (with K. Dutta), Journal of Multivariate Analysis 1 (1971), 186-198.
89. "Sequential confidence intervals for the regression coefficient based on Kendall's tau", (with M. Ghosh), Calcutta Statistical Association Bulletin 20 (1971), 23-36.
90. "Robust statistical procedures in problems of linear regression with special reference to quantitative bio-assays, I", International Statistical Review 39 (1971), 21-38.
91. "A note on weak convergence of empirical processes for sequences of f-mixing random variables", Annals of Mathematical Statistics 42 (1971), 2132-2133.
92. "Weak convergence of U-statistics and von Mises' differentiable statistical functions", (with R.G. Miller, Jr.). Ibid. 43 (1972), 31-41.
93. "On the weak convergence of extremal processes for random sample sizes", Ibid. 43 (1972), 1355-1362.
94. "On a class of aligned rank order tests for the identity of the intercepts of several regression lines", Ibid. 43 (1972), 2004-2012.
95. "On the robustness of rank order tests and estimates in the generalized one-sample location problem", (with M.L. Puri), Zeitschrift für Wahrscheinlichkeitstheorie verwandte Gebiete 22 (1972), 226-241.

96. "On some selection procedures in two-way layouts", (with M.L. Puri), Ibid. 22 (1972), 242-250.
97. "Limiting behaviour of regular functionals of empirical distributions for stationary *-mixing processes", Ibid. 25 (1972), 71-82.
98. "On the Bahadur representation of sample quantiles for sequences of mixing random variables", Journal of Multivariate Analysis 2 (1972), 77-95.
99. "Weak convergence and relative compactness of martingale processes with applications to nonparametric statistics", Ibid. 2 (1972), 345-361.
100. "On bounded length confidence intervals for the regression coefficient based on a class of rank statistics", (with M. Ghosh), Sankhya, Series A. (1972), 33-52.
101. "Finite population sampling and weak convergence to a Brownian bridge", Ibid. 34 (1972), 85-90.
102. "Rank tests for some linear hypotheses in paired comparisons designs", (with M.L. Puri), Ibid. 34 (1972), 257-264.
103. "On strong convergence of regression rank statistics", (with M. Ghosh), Ibid. 34 (1972), 335-348.
104. "Robust statistical procedures in problems of linear regression with special reference to quantitative bio-assays, II", International Statistical Review 40 (1972), 161-172.
105. "A Hajek-Renyi type inequality for generalized U-statistics", Calcutta Statistical Association Bulletin 21 (1972), 171-179.
106. "Nonparametric testing under progressive censoring", (with S.K. Chatterjee), Ibid. 22 (1973), 13-50.
107. "On Kolmogorov-Smirnov type test for symmetry", (with S.K. Chatterjee), Annals of the Institute of Statistical Mathematics 25 (1973), 288-300.
108. "Asymptotic sequential tests for regular functionals of distribution functions", Teoriya Veroyatnostei i ee Primeneniya 18 (1973), 235-249.
109. "A Chernoff-Savage representation of rank order statistics for stationary f-mixing processes", (with M. Ghosh), Sankhya, Series A 35 (1973), 153-172.
110. "Nonparametric methods in longitudinal studies", (with M. Ghosh and J.E. Grizzle), Journal of the American Statistical Association 68 (1973), 29-26.
111. "An asymptotically optimal test for the bundle strength of filaments", Journal of Applied Probability 10 (1973), 586-596.
112. "On some sequential simultaneous confidence intervals procedures", (with M. Ghosh), Annals of the Institute of Statistical Mathematics 25 (1973), 123-134.
113. "On weak convergence of empirical processes for random number of independent stochastic vectors", Proceedings of the Cambridge Philosophical Society 73 (1973), 135-140.
114. "Limiting behaviour of the extrema of certain sample functions", (with B.B. Bhattacharyya and M.W. Suh), Annals of Statistics 1 (1973), 297-311.
115. "On fixed size confidence band for the bundle strength of filaments", Ibid. 1 (1973), 526-537.
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