REFERENCES

- Abernathy, J. R., Greenberg, B. G., & Horvitz, D. G. (1970). Estimates of induced abortion in urban North Carolina. *Demography*, 7, 19–29.
- Aggarwal, O. P. (1959). Bayes and minimax procedures in sampling from finite and infinite populations I. *Annals of Mathematical Statistics*, 30, 206–218.
- Aggarwal, O. P. (1966). Bayes and minimax procedures for estimating the arithmetic mean of a population with two-stage sampling. *Annals of Mathematical Statistics*, 37, 1186–1195.
- Agresti, A. (2002). Categorical data analysis. New Jersey: Wiley.
- Altham, P. A. E. (1976). Discrete variable analysis for individuals grouped into families. Biometrika, 63, 263–269.
- Anderson, H. (1975a). Efficiency versus protection in RR designs for estimating proportions. Technical Report, 9. Sweden: University of Lund.
- Anderson, H. (1975b). Efficiency versus protection in a general RR model. Technical Report, 10. Sweden: University of Lund.
- Anderson, H. (1975c). Efficiency versus protection in a general RR model. Scandinavian Journal of Statistics, 37, 177–188.
- Anderson, H. (1977). Efficiency versus protection in general randomized response model. Scandinavian Journal of Statistics, 4, 11–19.
- Anderson, P. G., & Thorburn, D. (2005). An optimal calibration distance leading to the optimal regression estimator. *Survey Methodology*, 31, 95–99.
- Arcos, A., Rueda, M., & Singh, S. A. (2015). Generalized approach to randomized response for quantitative variables. *Quality & Quantity*, 49, 1239—1256.
- Arnab, R. (1979). Contributions to theories of repetitive survey sampling strategies. Indian Statistical Institute (Unpublished Ph.D. thesis).
- Arnab, R. (1980). Two-stage sampling over two occasions. *Australian Journal of Statistics*, 22, 349–357.
- Arnab, R. (1986). Optimal prediction for a finite population total with connected designs and related model based results. *Metrika*, 33, 79–84.
- Arnab, R. (1988). Variance estimation in multi-stage sampling. *Australian Journal of Statistics*, 30, 107–110.
- Arnab, R. (1990). On commutativity of design and model expectations in randomized response surveys. *Communications in Statistics Theory and Methods*, 19, 3751—3757.
- Arnab, R. (1991). On sampling over two occasions using varying probabilities. *Journal of the Indian Society of Agricultural Statistics*, 43, 282–290.
- Arnab, R. (1994). Non-negative variance estimation in randomized response surveys. Communications in Statistics — Theory and Methods, 23, 1743—1752.
- Arnab, R. (1995a). On admissibility and optimality of sampling strategies in randomized response surveys. *Sankhyā*, *57*, 385–390.
- Arnab, R. (1995b). Optimal estimation of a finite population total under randomized response surveys. *Statistics*, 27, 175–180.
- Arnab, R. (1996). Randomized response trials: A unified approach for qualitative data. Communications in Statistics — Theory and Methods, 25(6), 1173—1183.
- Arnab, R. (1998a). Randomized response surveys: Optimum estimation of a finite population total. *Statistical Papers*, 39, 405–408.
- Arnab, R. (1998b). Sampling on two occasions: Estimation of population total. Survey Methodology, 24, 171–184.

- Arnab, R. (2004a). Optional randomized response techniques for complex survey designs. *Biometrical Journal*, 46(1), 114–124.
- Arnab, R. (2004b). A note on the nearest proportional to size sampling design. *Journal of the Indian Society of Agricultural Statistics*, 58(2), 212–223.
- Arnab, R. (2006). Randomized response technique for complex survey designs. *Statistical Papers*, 48, 131–141.
- Arnab, R. (2013). Controlled sampling: A review. Statistics and Applications, 11(1&2), 127–146.
- Arnab, R., & Mothupi, T. (2015). Randomized response techniques: A case study of the risky behaviors' of students of a certain University. Model Assisted Statistics and Applications, 10, 421–430.
- Arnab, R., & Roy, D. (1990). On use of symmetrical balanced incomplete block design in construction of sampling design realizing preassigned sets of inclusion probabilities first two orders. Communications in Statistics — Theory and Methods, 19, 3223—3232.
- Arnab, R., & Singh, S. (2006). Estimation of variance from missing data. *Metron*, *LXIV*(2), 166–177.
- Arthanari, T., & Doge, Y. (1981). Mathematical programming in statistics. New York: Wiley.
- Asok, C. (1974). Contribution to the theory of unequal probability sampling without replacement. Ames, Iowa: Iowa State University (Unpublished Ph.D. thesis).
- Asok, C., & Sukhatme, B. V. (1976). On Sampford's procedure of unequal probability sampling without replacement. *Journal of the American Statistical Association*, 71, 912–918.
- Asok, C., & Sukhatme, B. V. (1978). A note on Midzuno scheme of sampling. In Paper presented at the 32nd Annual Conference of the Indian Society of Agricultural Statistics, Ludhiana, India.
- Avadhani, M. S., & Sukhatme, B. V. (1970). A comparison of two sampling procedures with applications to successive sampling. *Applied Statistics*, 19, 251–259.
- Avadhani, M. S., & Sukhatme, B. V. (1973). Controlled sampling with equal probabilities and without replacement. *International Statistical Review*, 41, 175–182.
- Bailey, N. T. J. (1951). On estimating the size of mobile populations from capture-recapture data. Biometrika, 38, 293–306.
- Bankier, M. D. (1986). Estimators based on several stratified samples with applications to multiple frame surveys. *Journal of the American Statistical Association*, 81, 1074–1079.
- Barker, R. J. (1995). Open population mark-recapture models including sightings. Palmerston North, New Zealand: Messy University (Ph.D. thesis).
- Barnard, J., & Rubin, D. B. (1999). Small-sample degrees of freedom with multiple imputation. *Biometrika*, 86, 949–955.
- Basu, D. (1958). On sampling with and without replacement. Sankhyā, 20, 287-294.
- Basu, D. (1969). Role of sufficiency and likelihood principles in sample survey theory. Sankhyā, A, 26, 3–16.
- Basu, D. (1971). An essay on the logical foundations of survey sampling, Part 1 (with discussion). In V. P. Godambe, & D. A. Sprott (Eds.), *Foundations of statistical inference* (pp. 203–242). Toronto: Holt, Rinehart and Winston.
- Baswa, I. V. (May 2000). Inference for stochastic processes, via estimating equations. In Symposium for stochastic process. Athens: University of Georgia.
- Battese, G. E., Hartler, R. M., & Fuller, W. A. (1988). An error component model for prediction of county crop areas using survey and satellite data. *Journal of the American Statistical Association*, 92, 999–1005.
- Beale, E. M. L. (1962). Some uses of computers in operations research. *Industrielle Organization*, 31, 51–52.

- Bellhouse, D. R. (1977). Optimal designs for systematic sampling in two dimensions. *Biometrika*, 64, 605–611.
- Bellhouse, D. R. (1981). Spatial surveys in presence of a trend. *Journal of Statistical Planning and Inference*, 5, 365–375.
- Bellhouse, D. R. (1988). Systematic sampling. In P. R. Krishnaiah, & C. R. Rao (Eds.), Handbook of statistics (Vol. 6, pp. 125–145). Amsterdam: North-Holland.
- Bhapkar, V. P. (1966). A note on equivalence of two test criteria of hypotheses in categorical data. *Journal of the American Statistical Association*, 61, 228–235.
- Bickel, P. J., & Freedman, D. A. (1984). Asymptotic normality and the bootstrap in stratified sampling. *Annals of Statistics*, 12, 470–482.
- Biernacki, P., & Waldrof, D. (1981). Snowball sampling. Problems and techniques of chain referral. Sociological Methods and Research, 10(1), 141–163.
- Binder, D. A. (1983). On the variance of asymptotically normal estimators from complex surveys. *International Statistical Review*, 51, 279—292.
- Binder, D. A., & Hidroglou, M. A. (1988). Sampling over time. In P. R. Krishnaiah, & C. R. Rao (Eds.), *Handbook of statistics* (Vol. 6, pp. 187–211). Amsterdam: North-Holland.
- Birnbaum, Z. W., & Sirken, M. G. (1965). Design of sample surveys to estimate the prevalence of rare diseases: Three unbiased estimates. National center for health statistics, ser 2, no. 11. Washington, DC, U.S.: Government Printing Office.
- Bogue, D. J. (1950). A technique for making extensive postcensal estimates. *Journal of the American Statistical Association*, 45, 149–163.
- Bogue, D. J., & Duncan, B. D. (1959). A composite method of estimating postcensal population of small areas by age, sex and colour. Vital Statistics-special report, 47, No. 6. Washington, DC: National Office of Vital Statistics.
- Bonn, L. L., & Wolfe, D. A. (1992). Nonparametric two-sample procedures for ranked-set samples data. *Journal of the American Statistical Association*, 87, 552–561.
- Bonn, L. L., & Wolfe, D. A. (1994). The effect of imperfect judgment ranking on properties of procedures based on the ranked-set samples analog to the Mann-Whitney Wilcoxon statistic. *Journal of the American Statistical Association*, 89, 168—176.
- Boswell, M. T., Brunham, K. P., & Patil, G. P. (1988). Role and use of composite sampling and capture-recapture sampling in ecological studies. In P. R. Krishnaiah, & C. R. Rao (Eds.), *Handbook of statistics* (Vol. 6, pp. 469–488). Amsterdam: North-Holland.
- Bowley, A. L. (1926). Measurement of precision attained in sampling. *Bulletin of the International Statistical Institute*, 22, 1–62.
- Brackstone, G. J. (1987). Small area data: Policy issues and technical challenges. In R. Platek, J. N. K. Rao, C. E. Särndal, & M. P. Singh (Eds.), *Small area statistics* (pp. 3–20). New York: Wiley.
- Breidt, F., & Opsomer, J. D. (2000). Local polynomial regression estimators in survey sampling. *Annals of Statistics*, 28, 1026–1053.
- Brewer, K. R. W. (1963a). A model of systematic sampling schemes of unequal probabilities. Australian Journal of Statistics, 5, 5–13.
- Brewer, K. R. W. (1963b). Ratio estimation and finite populations: Some results deducible from the assumption of an underlying stochastic process. *Australian Journal of Statistics*, *5*, 93–105.
- Brewer, K. R. W., Early, L., & Joyce, S. (1972). Selecting several samples from a single population. *Australian Journal of Statistics*, 14, 231–239.
- Brewer, K. R. W., & Hanif, M. (1983). Sampling with unequal probabilities. Lecture notes in statistics. New York: Springer-Verlag.
- Brier, S. S. (1978). Discrete data models with random effects. Technical report. University of Minnesota, School of Statistics.

- Brown, C., & Ritchie, J. (1981). Focussed enumeration: The development of a method for sampling ethnic minority groups. London: Policy Studies Institute of Social and Community Planning Research.
- Brownie, C., Anderson, D. R., Burnham, K. P., & Robson, D. S. (1985). Statistical inference from brand recovery data — A Handbook (2nd ed., p. 156). U.S.: Fish and Wildlife Service Resource Publication.
- Brownie, C., Hines, J. E., & Nicholas, J. D. (1986). Constant parameter capture–recapture models. *Biometrics*, 42, 561–574.
- Butar, F. B., & Lahiri, P. (2001). On measures of uncertainty of empirical Bayes small area estimators. Technical report. Lincoln: Department of Statistics, University of Nebraska.
- Calvin, L. D. (1954). Doubly balanced incomplete block designs for experiments in which treatments are correlate. *Biometrics*, 10, 61–83.
- Campbell, C. (1977). BMDP: Biomedical computer programs, P-series. Berkeley: University of California Press.
- Cassel, C. M., & Särandal, C. E. (1972). A model for studying robustness of estimators in informativeness of labels in sampling with varying probabilities. *Journal of the Royal Statistical Society, Series B, 34*, 279–289.
- Cassel, C. M., Särndal, C. E., & Wretman, J. H. (1976). Some results on generalized difference estimation and generalized regression estimation for finite populations. *Biometrika*, 63, 615–620.
- Cassel, C. M., Särndal, C. E., & Wretman, J. H. (1977). Foundations of inference in survey sampling. New York: Wiley.
- Chakrabarti, M. C. (1963). On the use of incidence matrices of designs in sampling from finite populations. *Journal of the Indian Statistical Association*, 1, 78–85.
- Chakrabarty, R. P. (1968). Contribution to the theory of ratio type estimators. Texas A&M University (Ph.D. thesis).
- Chakrabarty, R. P., & Rao, J. N. K. (1968). The bias and stability of the jackknife variance estimator in ratio estimation (abstract). *Journal of the American Statistical Association*, 63, 748.
- Chambers, R. L., Drofman, A. H., & Wehrly, T. E. (1993). Bias robust estimation in finite populations using nonparametric calibration. *Journal of the American Statistical Association*, 88, 268–277.
- Chambers, R. L., & Dunstan, R. (1986). Estimating distribution functions from survey data. Biometrika, 73, 597–604.
- Chapman, D. G. (1951). Some properties of hypergeometric distribution with application to zoological censuses. 1 pp. 131–160). University of California Publications in Statistics.
- Chapman, D. G. (1952). Inverse, multiple and sequential sample censuses. *Biometrics*, 8, 286–306.
- Chaudhuri, A. (1969). Minimax solutions of some problems in sampling from a finite population. *Calcutta Statistical Association Bulletin*, 18, 1–24.
- Chaudhuri, A. (1976). A non-negativity criterion for a certain variance estimator. *Metrika*, 23, 201–205.
- Chaudhuri, A. (1981). Non-negative unbiased variance estimators. In D. Krewski, R. Platek, & J. N. K. Rao (Eds.), Current topics in survey sampling (pp. 317—328). New York: Academic Press.
- Chaudhuri, A. (1987). Randomized response surveys of finite population: A unified approach with quantitative data. *Journal of Statistical Planning and Inference*, 15, 157–165.
- Chaudhuri, A. (2011). Randomized response and indirect questioning techniques in surveys. New York: Chapman & Hall/CRC.
- Chaudhuri, A., & Arnab, R. (1978). On the role of sample-size in determining efficiency of Horvitz-Thompson estimators. *Sankhyā*, *C*, 40, 104–109.

- Chaudhuri, A., & Arnab, R. (1979a). On the relative efficiencies of the sampling strategies under a superpopulation model. *Sankhyā*, *C*, 41, 40–53.
- Chaudhuri, A., & Arnab, R. (1979b). On estimating the mean of a finite population on two occasions with varying probabilities. *Australian Journal of Statistics*, 21, 162–165.
- Chaudhuri, A., & Arnab, R. (1981). On non-negative variance estimation. *Metrika*, 28, 1–12.
- Chaudhuri, A., & Arnab, R. (1982a). On unbiased product type estimators. Journal of the Indian Society of Agricultural Statistics, 34, 65-70.
- Chaudhuri, A., & Arnab, R. (1982b). On unbiased variance estimation with various multistage sampling strategies. *Sankhyā*, *B*, 44, 92—101.
- Chaudhuri, A., & Dihidar, K. (2009). Estimating means of stigmatizing qualitative and quantitative variables from discretionary responses randomized or direct. *Sankhyā*, *B*, 71, 123–136.
- Chaudhuri, A., & Mukherjee, R. (1988). Randomized response: Theory and techniques. New York: Marcel Dekker.
- Chaudhuri, A., & Saha, A. (2005). Optional versus compulsory randomized response techniques in complex surveys. *Journal of Statistical Planning and Inference*, 135, 516-527.
- Chaudhuri, A., & Stenger, H. (1992). Survey sampling theory and methods. New York: Marcel Dekker.
- Chen, Z. (1999). Density estimation using ranked-set sampling data. *Environmental and Ecological Statistics*, 6, 135–146.
- Chen, J., & Quin, J. (1993). Empirical likelihood estimation for finite population and the effective usages of auxiliary information. *Biometrika*, 80, 107–116.
- Chen, J., Rao, J. N. K., & Sitter, R. R. (2000). Efficient random imputation for missing survey data in complex surveys. *Statistica Sinica*, 10, 1153–1159.
- Chen, J., & Sitter, R. R. (1999). A pseudo empirical likelihood approach to the effective use of auxiliary information in complex surveys. *Statistica Sinica*, 9, 385–406.
- Chen, J., & Wu, C. (2002). Estimation of distribution function and quantiles using the model-calibrated pseudo empirical likelihood method. Statistica Sinica, 12, 1223—1239.
- Chotai, J. (1974). A note on Rao-Hartley-Cochran method for pps sampling over two occasions. *Sankhyā*, *C*, *36*, 173–180.
- Chottopadhyaya, M., Lahiri, P., Laren, M., & Reimnitz, J. (1999). Composite estimation of drug preferences for sub-state areas. *Survey Methodology*, 25, 81–86.
- Christofides, T. C. (2003). A generalized randomized response technique. *Metrika*, 57, 195–200.
- Cochran, W. G. (1946). Relative accuracy of systematic and stratified random samples for a certain class of population. *Annals of Mathematical Statistics*, 17, 164–177.
- Cochran, W. G. (1961). Comparison of methods for determining stratum boundaries. Bulletin of the International Statistical Institute, 38, 345—358.
- Cochran, W. G. (1977). Sampling techniques (3rd ed.). New York: Wiley.
- Cohen, J. E. (1976). The distribution of chi-squared statistics under cluster sampling from contingency tables. *Journal of the American Statistical Association*, 71, 665–670.
- Cormack, R. M. (1981). Loglinear models for capture-recapture experiments on open populations. In R. W. Horons, & D. Cooke (Eds.), The mathematical theory of the biological populations II (pp. 217–235). London: Academic Press.
- Cox, D. R. (1969). Some sampling problems in technology. In N. L. Johnson, & J. R. Smith (Eds.), *New developments in survey sampling* (pp. 506–527). New York: Wiley.
- Czaja, R., Warnecke, R. B., Eastman, E., Royston, P., Sirken, M., & Tuteur, D. (1984). Locating patients with rare diseases using network sampling: Frequency and quality of reporting. In *Health survey research methods: Proceedings of the fourth conference on health survey research methods* (pp. 311–324). Washington, DC: Department of Health and Human Services.

- Dalenius, T. (1953). Multivariate sampling problem. *Skandinavisk Actuarietidskrift*, *36*, 92–102. Dalenius, T. (1955). The problem of not-at-homes. *Statistisk Tidskrift*, *4*, 208–211.
- Dalenius, T., & Gurney, M. (1951). The problem of optimum stratification II. *Scandinavian Actuarial Journal*, 34, 133–148.
- Dalenius, T., & Hodges, J. L. (1959). Minimum variance stratification. Journal of the American Statistical Association, 54, 88–101.
- Das, A. C. (1951). Systematic sampling. Bulletin of the International Statistical Institute, 33, 119-132.
- Datta, G. S., Day, B., & Basawa, I. (1999). Empirical best linear unbiased and empirical bayes prediction in multivariate small area estimation. *Journal of Statistical Planning and Inference*, 75, 269–279.
- Datta, G. S., & Ghosh, M. (1991). Bayesian prediction in linear models: Applications to small area estimation. *Annals of Statistics*, 19, 1748–1770.
- Datta, G. S., Lahiri, P., & Maiti, T. (2002). Empirical Bayes estimation of median income of four-person families by state using time series and cross-sectional data. *Journal of Statistical Planning and Inference*, 102, 83—97.
- De Pascal, N. (1961). Unbiased ratio estimators in stratified sampling. *Journal of the American Statistical Association*, 56, 70–87.
- Dell, T. R., & Clutter, J. L. (1972). Ranked-set sampling theory with order statistic background. *Biometrics*, 28, 545–555.
- Deming, W. E. (1953). On probability mechanism to attain an economic balance between the resulting error of response bias of non-response. *Journal of the American Statistical Association*, 48, 743—772.
- Deming, W. E. (1977). An essay on screening, or on two-phase sampling, applied to surveys of a community. *International Statistical Review*, 45, 29–37.
- Deming, W. E., & Steaphan, F. F. (1940). On a least squares adjustment of a sample frequency when the expected marginal totals are known. *Annals of Mathematical Statistics*, 11, 427–444.
- Deville, J. C., & Särndal, C. E. (1992). Calibration estimation in survey sampling. *Journal of the American Statistical Association*, 87, 376–382.
- Devore, J. L. (1977). A note on the RR techniques. Communications in Statistics Theory and Methods, 6, 1525—1529.
- Dorfman, A. H. (2009). Inference on distribution functions and quantiles. In D. Pfeffermann, & C. R. Rao (Eds.), Handbook of statistics, sample surveys: Inference and analysis (Vol. 29B, pp. 371–395). Amsterdam, North-Holland: Elsevier.
- Dorfman, A. H., & Hall, P. (1993). Estimators for the finite population distribution function using nonparametric regression. *Annals of Statistics*, 21, 1452–1475.
- Drew, D., Singh, M. P., & Choudhry, G. H. (1982). Evaluation of small area estimation techniques for Canadian Labour Force Survey. *Survey Methodology*, 8, 17–47.
- Duncan, G. J., & Kalton, G. (1987). Issues of design and analysis of surveys across time. *International Statistical Review*, 55, 97–117.
- Durbin, J. (1959). A note on the application of Quenouille's method of bias reduction to the estimation of ratios. *Biometrika*, 46, 477–480.
- Durbin, J. (1960). Estimation of parameters in time series regression models. *Journal of the Royal Statistical Society, Series B*, 22, 139–153.
- Durbin, J. (1967). Designs of multi-stage survey for estimation of sampling error. *Applied Statistics*, 16, 152–164.
- Ecler, A. R. (1955). Rotation sampling. Annals of Mathematical Statistics, 26, 664-685.
- Efron, B. (1979). Bootstrap method: Another look of jackknife. *Annals of Statistics*, 7, 1–26.
- Efron, B. (1982). *The jackknife, the bootstrap and other resampling plans*. Philadelphia: Society for Industrial and Applied Mathematics.

- Eichhorn, B. H., & Hayre, L. S. (1983). Scrambled randomized response methods for obtaining sensitive quantitative data. *Journal of Statistical Planning and Inference*, 7, 306–316.
- El-Badry, M. A. (1956). A sampling procedure for mail questionnaires. Journal of the American Statistical Association, 51, 209—227.
- Ericson, W. A. (1969a). Subjective Bayesian in sampling finite populations (with discussion). *Journal of the Royal Statistical Society, Series B, 31*, 195–233.
- Ericson, W. A. (1969b). A note on the posterior mean of a population mean. *Journal of the Royal Statistical Society, Series B*, 31, 332–334.
- Ericson, W. A. (1970). On a class uniformly admissible estimators of a finite population total. *Annals of Mathematical Statistics*, 41, 1369–1372.
- Eriksson, S. A. (1973). A new model for randomized response. *International Statistical Review*, 41, 40–43.
- Ericksen, E. P., & Kadane, J. B. (1985). Estimating the population census year: 1980 and beyond (with discussions). *Journal of the American Statistical Association*, 84, 927–944.
- Fay, R. E. (1985). A jackknifed chi-squared test for complex samples. Journal of the American Statistical Association, 80, 148–157.
- Fay, R. E. (1989). Theory and application of replicate weighting for variance calculations. In Proceedings of the survey research methods section of the American Statistical Association (pp. 495-500).
- Fay, R. E., & Herriot, R. A. (1979). Estimating of income from small places: An application of James Stein procedure to census data. *Journal of the American Statistical Association*, 74, 269—277.
- Fellegi, I. P. (1963). Sampling with varying probabilities without replacement, rotation and non-rotating samples. *Journal of the American Statistical Association*, 58, 183–201.
- Fellegi, I. P. (1966). Changing the probabilities of selection when two units are selected with PPS without replacement. In *Proceedings of the survey research methods section of the American Statistical Association* (pp. 434–442).
- Fellegi, I. P. (1980). Approximate goodness of fit based on stratified multi-stage samples. *Journal of the American Statistical Association*, 75, 261–278.
- Feller, W. (1957). An introduction to probability theory and its applications (Vol. 1). New York: Wiley.
- de Finetti, B. (1937). La prévision: Ses lois logiques, ses sources subjectives. *Annales Institute Henri Poincare*, 7, 1–68.
- Flinger, M. A., Policello, G. E., & Singh, J. (1977). A comparison of two RR survey methods with consideration for the level of respondent protection. Communications in Statistics — Theory and Methods, 6, 1511—1524.
- Folsom, S. A. (1973). The two alternative questions randomized response model for human surveys. *Journal of the American Statistical Association*, 68, 525–530.
- Foody, W., & Hedayat, A. (1977). On theory and applications of BIBD designs and repeated blocks. *Annals of Statistics*, *5*, 932–945.
- Franklin, L. A. (1989). A comparison of estimators for randomized response sampling with continuous distribution from dichotomous populations. *Communications in Statistics Theory and Methods, 18,* 489—505.
- Fuller, W. A. (1975). Regression Analysis for sample surveys. Sankhyä, C, 37, 117-132.
- Fuller, W. A., & Battese, G. (1973). Transformations for estimation of linear models with nested error structure. *Journal of the American Statistical Association*, 68, 626–632.
- Fuller, W. A., & Burmeister, L. F. (1972). Estimators for samples selected for two oversampling frames. In *Proceedings of the social statistics, American Statistical Association* (pp. 245–249).
- Gabler, S. (1987). The nearest proportional to size sampling design. Communications in Statistics Theory and Methods, 16, 1117—1131.

- Gautschi, W. (1957). Some remarks on systematic sampling. Annals of Mathematical Statistics, 28, 385–394.
- Ghangurde, P. D., & Rao, J. N. K. (1969). Some results on sampling over two occasions. Sankhyā, A, 31, 463–472.
- Ghosh, M. (1991). Estimating functions in survey sampling: A review. In V. P. Godambe (Ed.), *Estimating functions* (pp. 201–209). Oxford: Oxford University Press.
- Ghosh, M. (1992). Constrained Bayes estimation with applications. Journal of the American Statistical Association, 87, 533–540.
- Ghosh, M., & Lahiri, P. (1987). Robust empirical Bayes estimation of means from stratified samples. Journal of the American Statistical Association, 82, 1153–1162.
- Ghosh, M., & Lahiri, P. (1998). Bayes and empirical Bayes analysis in multistage sampling. In S. S. Gupta, & J. O. Berger (Eds.), Statistical decision theory and related topics IV (Vol. 1, pp. 195–212). New York: Springer.
- Ghosh, M., & Rao, J. N. K. (1994). Small area estimation: An appraisal. *Statistical Science*, 9, 55–93.
- Ghosh, S. P. (1963). Post cluster sampling. Annals of Mathematical Statistics, 34, 578-597.
- Godambe, V. P. (1955). A unified theory of sampling from finite populations. Journal of the Royal Statistical Society, Series B, 17, 269–278.
- Godambe, V. P. (1960a). An admissible estimate for any sampling design. Sankhyā, 22, 285—288.
- Godambe, V. P. (1960b). An optimum property of regular maximum likelihood estimation. *Annals of Mathematical Statistics*, *31*, 1208–1211.
- Godambe, V. P. (1966). A new approach to sampling from finite populations, I and II. *Journal of the Royal Statistical Society, Series B*, 28, 310–328.
- Godambe, V. P. (1968). Bayesian sufficiency in sampling. Annals of the Institute of Statistical Mathematics, 20, 363–373.
- Godambe, V. P. (1969). Admissibility and Bayes estimation in sampling finite population-V. Annals of Mathematical Statistics, 40, 672–676.
- Godambe, V. P. (1985). The foundations of finite sample estimation in stochastic processes. *Biometrika*, 72, 419–428.
- Godambe, V. P. (1991). Confidence interval for quantiles. In V. P. Godambe (Ed.), *Estimating functions* (pp. 211–215). Oxford: Oxford University Press.
- Godambe, V. P., & Joshi, V. M. (1965). Admissibility and Bayes estimation in sampling finite population I. *Annals of Mathematical Statistics*, 36, 1707–1722.
- Godambe, V. P., & Kale, B. K. (1991). Estimating functions: An overview. In V. P. Godambe (Ed.), Estimating functions (pp. 3–20). Oxford: Oxford University Press.
- Godambe, V. P., & Thompson, M. E. (1978). Some aspects of the theory of estimating equations. *Journal of Statistical Planning and Inference*, 2, 95–104.
- Godambe, V. P., & Thompson, M. E. (1984). Robust estimation through estimating equations. Biometrika, 71, 115–125.
- Godambe, V. P., & Thompson, M. E. (1986a). Parameters of superpoulation and survey population, their relationship and estimation. *International Statistical Review*, 54, 127–138.
- Godambe, V. P., & Thompson, M. E. (1986b). Some optimality results in presence of non-response. *Survey Methodology*, 12, 29–36.
- Godambe, V. P., & Thompson, M. E. (1987). Corrigendum. Survey Methodology, 13, 123.
- Godambe, V. P., & Thompson, M. E. (1999). A new look at confidence intervals in survey sampling. *Survey Methodology*, 25, 161–173.
- Godambe, V. P., & Thompson, M. E. (2009). Estimating functions and survey sampling. In D. Pfeffermann, & C. R. Rao (Eds.), Handbook of statistics, sample surveys: Inference and analysis (Vol. 29B, pp. 669–687). Amsterdam, North-Holland: Elsevier.

- Gonzalez, M. E. (1973). Use and evaluation of synthetic estimators. In *Proceedings of the survey research methods section of the American Statistical Association* (Vol. 82, pp. 1153—1162).
- Goodman, L. A. (1960). On the exact variance of product. Journal of the American Statistical Association, 55, 708–713.
- Goodman, L. A., & Hartley, H. O. (1958). The precision of unbiased ratio-type estimators. *Journal of the American Statistical Association*, *53*, 491–508.
- Goodman, R., & Kish, L. (1950). Controlled selection—a technique in probability sampling. *Journal of the American Statistical Association*, 45, 350—372.
- Goodstadt, M. S., & Gruson, V. (1975). The randomized response technique; a test on drug use. *Journal of the American Statistical Association*, 70, 814–818.
- Govindrajulu, Z. (1999). Elements of sampling theory and method. NJ: Prentice-Hall.
- Gray, G., & Platek, R. (1963). Several methods of re-designing area samples utilizing probabilities proportion to size change significantly. *Journal of the American Statistical Association*, 63, 1280–1297.
- Gray, H. L., & Schucany, W. R. (1972). The generalized jackknife statistics. New York: Marcel Deckker.
- Greenberg, B. D., Abul-Ela, A. L. A., Simmons, W. R., & Horvitz, D. G. (1969). The unrelated question randomized response model: Theoretical framework. *Journal of the American Statistical Association*, 64, 520-539.
- Gross, S. T. (1980). Median estimation in sample surveys. In *Proceedings of the survey research methods section of the American Statistical Association* (pp. 181–184).
- Gunning, P., & Horgan, J. M. (2004). A simple algorithm for stratifying skewed populations. Survey Methodology, 30, 159–166.
- Gupta, S. (2001). Qualifying the sensitivity level of binary response personal interview survey questions. *Journal of Combinatorics, Information & System Sciences*, 26(1–4), 101–109.
- Gupta, S., Gupta, B., & Singh, S. (2002). Estimation of sensitivity level of personal interview survey question. *Journal of Statistical Planning and Inference*, 100, 239–247.
- Gupta, S., Mehta, S., Shabbir, J., & Dass, B. K. (2013). Generalized scrambling in quantitative optional randomized response models. Communications in Statistics Theory and Methods, 42, 4034–4042.
- Gupta, S., & Shabbir, J. (2004). Sensitivity estimation for personal interview survey questions. *Statistica*, 64(3), 643–653.
- Gupta, S., Shabbir, J., & Sehra, S. (2010). A comparison of multiplicative and additive optional RRT models. Journal of Statistical Planning and Inference, 140(10), 2870–2874.
- Gupta, S., Thornton, B., Shabbir, J., & Singhal, S. (2006). A comparison of multiplicative an additive optional RRT models. *Journal of Statistical Theory and Applications*, 64, 226–239.
- Gupta, V. K., Mandal, B. N., & Prasad, R. (2012). Combinatorics in sample surveys vis-à-vis controlled selection. Germany: Lambert Academic Publishing Company.
- Gupta, V. K., Nigam, A. K., & Kumar, P. (1982). On a family of sampling scheme with inclusion probability proportional to size. *Biometrika*, 69, 191–196.
- Haitovsky, Y. (1973). Maximum joint probability estimates of the linear hierarchical model. Unpublished paper. Hebrew University.
- Hájek, J. (1959). Optimum strategy and other problems in probability sampling. Časopis Pro Pěstováni Matematiky, 84, 387–423.
- Hájek, J. (1964). Asymptotic theory of rejective sampling with varying probabilities from finite population. *Annals of Mathematical Statistics*, 35, 1491–1523.
- Hájek, J. (1971). Discussion of 'an essay on the logical foundations of survey sampling, part one' by D. Basu. In V. P. Godambe, & D. A. Sprott (Eds.), Foundations of statistical inference (p. 236). Toronto, ON, Canada: Holt, Rinehart and Winston.
- Haldane, J. B. S. (1946). On method of estimating frequencies. Biometrika, 33, 222-225.

- Hansen, M. H., & Hurwitz, W. N. (1943). On the theory of sampling from finite populations. *Annals of Mathematical Statistics*, 14, 333–362.
- Hansen, M. H., & Hurwitz, W. N. (1946). The problems on non-response in sample surveys. Journal of the American Statistical Association, 41, 517–529.
- Hansen, M. H., Madaw, W. G., & Tepping, B. J. (1983). An evaluation of model-dependent and probability-sampling inference in sample surveys. *Journal of the American Statistical Association*, 78, 776–793.
- Hanurav, T. V. (1965). Optimum sampling strategies and some related problems (Ph.D. thesis). Indian Statistical Institute.
- Hanurav, T. V. (1966). Some aspects of unified sampling theory. Sankhyā, A, 28, 175-204.
- Hanurav, T. V. (1967). Optimum utilization of auxiliary information: πps sampling of two units from a stratum. Journal of the Royal Statistical Society, Series B, 29, 374–391.
- Hartley, H. O. (1962). Multiple frame surveys. In Proceedings of the survey research methods section of the American Statistical Association (pp. 203–206).
- Hartley, H. O. (1974). Multiple frame methodology and selected applications. *Sankhyā*, *C*, *36*, 99–118.
- Hartley, H. O., & Rao, J. N. K. (1962). Sampling with unequal probabilities and without replacement. *Annals of Mathematical Statistics*, 33, 350–374.
- Hartley, H. O., & Rao, J. N. K. (1968). A new estimation theory for sample surveys. *Biometrika*, 55, 547–557.
- Hartley, H. O., & Ross, A. (1954). Unbiased ratio estimators. Nature, 174, 270-271.
- Haziza, D., Hidiroglou, M. A., & Rao, J. N. K. (2011). Comparison of variance estimators in two-phase sampling: An empirical investigation. *Pakistan Journal of Statistics*, 27, 477–492.
- Hedayat, A., & Kageyama, S. (1980). The family of t-designs part I. *Journal of Statistical Planning and Inference*, 4, 173–212.
- Hedayat, A. S., Rao, C. R., & Stufken, J. (1988). Sampling plan excluding contiguous units. *Journal of Statistical Planning and Inference*, 19, 159—170.
- Hedayat, A. S., & Stufken, J. (1989). The construction of IPPS sampling designs through a method of emptying boxes. *Annals of Statistics*, 17, 1886–1905.
- Henderson, C. R. (1975). Best linear unbiased estimation and prediction under a selection model. *Biometrics*, 31, 423–447.
- Hendricks, W. A. (1944). The relative efficiencies of group of farms as sampling units. *Journal of the American Statistical Association*, 39, 336–376.
- Heyde, C. C., & Lin, Y.-X. (1991). Approximate confidence zones in an estimating function context. In V. P. Godambe (Ed.), *Estimating functions* (pp. 161–168). New York: Oxford University Press.
- Hidiroglou, M. A., Fuller, W. A., & Hickman, R. D. (1980). SUPERCARP (6th ed.). Ames, IA: Statistical Laboratory, Survey Section, Iowa State University.
- Hidiroglou, M. A., & Rao, J. N. K. (1987). Chi-squared tests with categorical data from complex surveys: Part I-simple goodness-of fit, homogeneity and independency in a two-way table with applications to the Canada Health Survey (1978–1979). *Journal of Official Statistics*, 3, 117–132.
- Holt, D., & Scott, A. J. (1981). Regression analysis using survey data. Statistician, 30, 169–178.
 Hong, Z., & Yan, Z. (2012). Measure of privacy in randomized response model. Quality and Quantity, 46, 1167–1180.
- Horvitz, D. G., Shah, B. V., & Simmons, W. R. (1967). The unrelated question randomized response model. In *Proceedings of the survey research methods section of the American Statistical Association* (pp. 65–72).
- Horvitz, D. G., & Thompson, D. J. (1952). A generalization of sampling without replacement from a finite population. *Journal of the American Statistical Association*, 47, 663–685.

- Huang, K. C. (2004). A survey technique for estimating the proportion and sensitivity in a dichotomous finite population. Statistica Neeralandica, 58, 75–82.
- Huang, K. C. (2008). Estimation of sensitive characteristics using optional randomized technique. Quality and Quantity, 42, 679–686.
- Jessen, R. J. (1942). Statistical investigation of sample survey for obtaining farm facts. *Iowa Agricultural Experiment Station, Research Bulletin*, 304.
- Jiang, J., Lahiri, P., & Wan, S.-M. (2002). A unified Jackknife theory. Annals of Statistics, 30, 1782—1810.
- Johnson, A. (2003). Estimating distribution functions from survey data using nonparametric regression. Retrieved from www.stat.colostate.edu/~nsu/starmap/johnsonaa.report.pdf.
- Jojani, M. J., & Johnson, B. C. (2011). Design based estimation for ranked set sampling in finite population. Environmental and Ecological Statistics, 18, 663–685.
- Jolly, G. M. (1965). Explicit estimates from capture-recapture data with both death and immigration-stochastic models. *Biometrika*, 52, 226–247.
- Jönrup, H., & Rennermalm, B. (1976). Regression analysis in samples from finite populations. *Scandinavian Journal of Statistics*, 3, 33–37.
- Joshi, V. M. (1965a). Admissibility and Bayes estimation in sampling finite population II. Annals of Mathematical Statistics, 36, 1723–1729.
- Joshi, V. M. (1965b). Admissibility and Bayes estimation in sampling finite population III. Annals of Mathematical Statistics, 36, 1730–1742.
- Joshi, V. M. (1966). Admissibility and Bayes estimation in sampling finite populations IV. Annals of Mathematical Statistics, 37, 1658–1670.
- Jowette, H. H. (1952). They accuracy of systematic sampling from conveyor belts. *Applied Statistics*, 1, 50–59.
- Judkins, R. (1990). Fay's method for variance estimation. Journal of Official Statistics, 6, 223-239.
- Kadilar, C., Unyazici, Y., & Cingi, H. (2009). Ratio estimator for the population mean using ranked set sampling. *Statistical Papers*, 50, 301–309.
- Kalbfleisch, J. D., & Lawless, J. (1988). Estimation of reliability in field performance studies. *Technometrics*, 30, 365–388.
- Kale, B. K. (1962). An extension of the Cramer-Rao inequality for statistical estimation function. Skandinaviske Akturietidskrift, 45, 60–89.
- Kalton, G. (1991). Sampling flows of mobile human populations. Survey Methodology, 17, 183-194.
- Kalton, G. (1993). Sampling considerations in research on HIV risk and illness. In D. G. Ostrow, & R. C. Kessler (Eds.), Methodological issues in AIDS behavioural research. New York: Plenum Press.
- Kalton, G. (2001). Practical methods for sampling rare and elusive populations. In Proceedings of the American Statistical Association.
- Kalton, G. (2009). Methods for oversampling rare subpopulations in social surveys. Survey Methodology, 35, 126–141.
- Kalton, G., & Anderson, D. W. (1986). Sampling rare populations. Journal of the Royal Statistical Society, Series A, 149, 65–82.
- Kass, R. E., & Steffey, D. (1989). An approximate Bayesian inference in conditionally independent hierarchical models (parametric empirical Bayes models). *Journal of the American Statistical Association*, 84, 717–726.
- Kaur, A., Patil, G. P., & Taillie, C. (1997). Unequal allocation model for ranked set sampling with skew distribution. *Biometrics*, 53, 123–130.
- Kempthorne, O. (1969). Some remark on statistical inference in finite sampling. In N. L. Johnson, & H. Smith, Jr. (Eds.), New development in survey sampling (pp. 671–695). New York: Wiley.

- Kerkvliet, J. M. (1994). Estimating a logit model with randomized data; the case of cocaine use. *Australian Journal of Statistics*, 36, 9–20.
- Keyfitz, N. (1951). Sampling with probabilities proportional to size, adjustment for changes in the probabilities. *Journal of the American Statistical Association*, 46, 105–109.
- Kim, J. M. (1978). Randomized response technique for surveying human populations (Ph.D. dissertation). Philadelphia, USA: Temple University.
- Kim, J. M., Tebbs, J., & An, S. W. (2006). Extensions of Mangat's randomized response model. *Journal of Statistical Planning and Inference*, 136, 1554–1567.
- Kim, J. W. (2004). Finite sample properties of multiple imputation estimators. Annals of Statistics, 32, 766-783.
- Kim, J. W. (2009). Calibration estimation using empirical likelihood in survey sampling. Statistica Sinica, 19, 145–157.
- Kish, L. (1963). Changing strata and selection probabilities. In *Proceedings of the social statistics* section of the American Statistical Association, Washington (pp. 124–131).
- Kish, L. (1965). Survey sampling. New York: Wiley.
- Kish, L. (1991). Taxonomy of elusive populations. Journal of Official Statistics, 7, 339-347.
- Kish, L., & Frankel, M. R. (1974). Inference from complex surveys (with discussions). Journal of the Royal Statistical Society, Series B, 36, 1–37.
- Kish, L., & Hess, I. (1958). On non coverage of sampling dwellings. *Journal of the American Statistical Association*, 53, 509–524.
- Kish, L., & Scott, A. (1971). Retaining units after changing strata and probabilities. *Journal of the American Statistical Association*, 66, 461–470.
- Kleffe, J., & Rao, J. N. K. (1992). Estimation of mean square error of empirical best linear unbiased predictors under a random error variance linear model. *Journal of Multivariate* Analysis, 43, 1–15.
- Konijn, H. (1962). Regression analysis in sample surveys. Journal of the American Statistical Association, 57, 590–605.
- Koop, J. C. (1971). On splitting systematic sample for variance estimation. Annals of Mathematical Statistics, 42, 1084–1087.
- Koop, J. C. (1976). Systematic sampling in two dimensional surfaces and related problems. Technical Report. NC: Research Triangle Institute.
- Koti, K. M., & Babu, G. J. (1996). Sign test for ranked-set sampling. Communications in Statistics Theory and Methods, 25(7), 1617—1630.
- Kreweski, D., & Chakrabarti, R. P. (1981). On the stability of the jackknife variance estimator in ratio estimation. *Journal of Statistical Planning and Inference*, 5, 71–79.
- Kreweski, D., & Rao, J. N. K. (1981). Inference from stratified samples: Properties of linearization, jackknife and balanced repeated replication methods. *Annals of Statistics*, 9, 1010–1019.
- Kuk, A. Y. C. (1988). Estimation of distribution functions and medians under sampling with unequal probabilities. *Biometrika*, 75, 97—103.
- Kuk, A. Y. C. (1990). Asking sensitive question indirectly. *Biometrika*, 77, 436–438.
- Kuk, A. Y. C. (1993). A kernel method for estimating finite population distribution functions using auxiliary information. *Biometrika*, 80, 385–392.
- Kuk, A. Y. C., & Mak, T. K. (1989). Median estimation in presence of auxiliary information. *Journal of the Royal Statistical Society, Series B*, 51, 261–269.
- Kuldoroff, G. (1963). Some problems of optimum allocation for sampling on two occasions. *Review of the International Statistical Institute*, 31, 24–57.
- Kuo, L. (1988). Classical and prediction approaches to estimating distribution functions from survey data. In *Proceedings of the section on survey research methods, American Statistical* Association (pp. 280–285).
- Lahiri, D. B. (1951). A method of sample selection for providing unbiased ratio estimates. Bulletin of the International Statistical Institute, 33, 133—140.

- Lahiri, D. B. (1954). On the question of bias of systematic sampling. In *Proceedings of world population conference* (Vol. 6, pp. 349–362).
- Lahiri, P. (1990). "Adjusted" Bayes and empirical Bayes estimation in finite population sampling. Sankhyā, B, 52, 50-60.
- Lahiri, P., & Mukherjee, R. (2000). On simplification of the linear programming approach to controlled sampling. *Statistica Sinica*, 10, 1171–1178.
- Lanke, J. (1974a). On non-negative variance estimation in survey sampling. Sankhyā, C, 36, 33-42.
- Lanke, J. (1974b). Some contribution to the theory of survey sampling. AV-Centralen I Lund.
- Lanke, J. (1975a). On the choice of unrelated questions in Simmons' version of RR. *Journal of the American Statistical Association*, 68, 525–530.
- Lanke, J. (1975b). Some contribution to the theories of survey sampling. Sweden: University of Lund (Unpublished Ph.D. thesis).
- Lanke, J. (1976). On the degree of protection in randomized interviews. *International Statistical Review*, 44, 197–203.
- Lehtonen, R., & Pahkinen, E. (2004). Practical methods for design analysis of complex surveys. New York: Wiley.
- Lehtonen, R., Särandal, C. E., & Veijanen, A. (2003). The effect of model choice in estimation for domains. *Survey Methodology*, 29, 33–44.
- Leysieffer, R. W., & Warner, S. L. (1976). Respondent jeopardy and optimal designs in RR models. *Journal of the American Statistical Association*, 71, 649–656.
- Li, D., Sinha, B. K., & Perron, F. (1999). Random selection in ranked set sampling and its applications. *Journal of Statistical Planning and Inference*, 76, 185–201.
- Lincoln, F. C. (1930). Calculating waterfowl abundance on the basis of banding returns. 118 pp. 1—4). United States Department of Agriculture Circular.
- Liu, T. P., & Chow, L. P. (1976). A new discrete quantitative RR model. Journal of the American Statistical Association, 64, 520-539.
- Lohr, S. (1999). Sampling: Design and analysis (2nd ed.). Pacific Grove, CA: Duxbury Press. Lund, R. E. (1968). Estimation in multiple frame surveys. In Proceedings of the social statistics of the American Statistical Association (pp. 282–288).
- MacKellar, D., Valleroy, L., Karon, J., Lemp, G., & Janssen, R. (1996). The Young Men's Survey: Methods for estimating HIV seroprevalence and risk factors among young men who have sex with men. *Public Health Reports*, 111(Suppl. 1), 138–144.
- Madaw, W. G. (1949). On the theory of systematic sampling II. *Annals of Mathematical Statistics*, 20, 333–354.
- Madaw, W. G., & Madaw, L. H. (1944). On the theory of systematic sampling. *Annals of Mathematical Statistics*, 15, 1–24.
- Maddala, G. S. (1977). Econometrics. New York: McGraw-Hill.
- Mahalanobis, P. C. (1940). A sample survey of acreage under jute in Bengal. Sankhyā, 4, 511–530.
- Mahalanobis, P. C. (1942). General report on the sample census of area under jute in Bengal. Indian Central Jute Committee.
- Mahalanobis, P. C. (1946). Recent experiment in statistical sampling in the Indian statistical institute. *Journal of the Royal Statistical Society, Series A, 109*, 325–378.
- Mahalanobis, P. C. (1952). Some aspects of the design of sample surveys. *Sankhyā*, 12, 1–7. Mak, T. K., & Kuk, A. Y. C. (1993). A new method for estimating finite population quantiles using auxiliary information. *The Canadian Journal of Statistics*, 21, 29–38.
- Mandal, B. N., Prasad, R., & Gupta, V. K. (2008). Computer aided construction of balanced sampling plans excluding contiguous units. *Statistics and Applications*, 3, 59–85.
- Mandal, B. N., Prasad, R., & Gupta, V. K. (2010). Linear programming approach to construct distance balanced sampling plan. *Journal of the Indian Society of Agricultural* Statistics, 64, 303–312.

- Mandal, B. N., Prasad, R., & Gupta, V. K. (2011). Construction of polygonal designs using linear integer programming. Communications in Statistics — Theory and Methods, 40, 1787—1794.
- Mandal, B. N., Prasad, R., Gupta, V. K., & Sud, U. C. (2009). A family of distance balanced sampling plans. *Journal of Statistical Planning and Inference*, 139, 860–874.
- Mangat, N. S., & Singh, R. (1990). An alternative randomized response procedure. *Biometrika*, 77, 349–442.
- Mangat, N. S., & Singh, S. (1994). An optional randomized response sampling technique. Journal of the Indian Society of Agricultural Statistics, 32, 71-75.
- Mantel, H. (1991). Making use of a regression model for inference about a finite population mean. In V. P. Godambe (Ed.), *Estimating functions* (pp. 216–221). New York: Oxford University Press.
- Matei, A., & Tillé, Y. (2005). Maximal and minimal sampling co-ordination. Sankhyā, 67, 590–612.
- McCarthy, P. J. (1969). Pseudo-replication: Half samples. *International Statistical Review*, 37, 239–264.
- McDonald, L. L. (1980). Line-intercept sampling for attributes other than coverage and density. *Journal of Wildlife Management*, 44, 530-533.
- McIntyre, G. A. (1952). A method of unbiased selective sampling, using ranked sets. Australian Journal of Agricultural Research, 3, 385–390.
- Mckenzie, D. J., & Mistiaen, J. (2009). Surveying migrant households: A comparison of census-based, snowball and intercept point surveys. *Journal of the Royal Statistical Society*, Series A, 172, 339—360.
- Midzuno, H. (1952). On the sampling system with probabilities proportionate to sum of sizes. *Annals of the Institute of Statistical Mathematics*, 3, 99–107.
- Miller, R. G. (1974). The Jackknife a review. Biometrika, 61, 1-18.
- Morris, C. A. (1983). Parametric empirical Bayes inference: Theory and applications. *Journal of the American Statistical Association*, 78, 47–54.
- Mukherjee, R., & Sengupta, S. (1989). Optimal estimation of finite population total under a general correlated model. *Biometrika*, 76, 789–794.
- Murthy, M. N. (1957). Ordered and unordered estimators in sampling without replacement. Sankyā, 18, 379—390.
- Murthy, M. N. (1964). Product method of estimation. Sankhyā, 21, 381-392.
- Murthy, M. N. (1967). Sampling theory and methods. Calcutta: Statistical Publishing Society.
- Murthy, M. N. (1977). Sampling theory and methods (2nd ed.). Calcutta: Statistical Publishing Society.
- Murthy, M. N., & Nanjamma, N. S. (1959). Almost unbiased ratio estimates based on interpenetrating sub-sample estimates. *Sankhyā*, 21, 381–392.
- Murthy, M. N., & Rao, T. J. (1988). Systematic sampling with illustrative examples. In P. R. Krishnaiah, & C. R. Rao (Eds.), *Handbook of statistics* (Vol. 6, pp. 147–185). Amsterdam: Elsevier Science Publishers.
- Muttlak, A. H., & McDonald, L. L. (1990). Ranked based sampling with size-based probability of selection. *Biometrics*, 46, 435–445.
- Nandaraya, E. A. (1964). On estimating regression. Theory of Probability and Its Applications, 9, 141–142.
- Narain, R. D. (1951). On sampling without replacement with varying probabilities. *Journal of the Indian Society of Agricultural Statistics*, 3, 169–174.
- Nathan, G. (1976). An empirial study of response and sampling errors for multiplicity estimates with different counting rules. *Journal of the American Statistical Association*, 71, 808–815.
- Nathan, G. (1988). Inference based on data from complex survey designs. In P. R. Krishnaiah, & C. R. Rao (Eds.), *Handbook of statistics* (Vol. 6, pp. 247–266). Amsterdam: Elsevier Science.

- National Research Council. (2000). Small-area estimation of school-age children in poverty: Evaluation of current methodology. In C. F. Citro, & G. Kalton (Eds.), Committee on national statistics. Washington, DC: National Academy Press.
- Nayak, T. (2007). On randomized response surveys for estimating a proportion. *Communications in Statistics Theory and Methods, 23,* 3303—3321.
- Neyman, J. (1934). On two different aspects of the representative method. *Journal of the Royal Statistical Society*, 97, 558–606.
- Neyman, J. (1938). Contribution to the theory of sampling human populations. *Journal of the American Statistical Association*, 33, 101–116.
- Nigam, A. K., Kumar, P., & Gupta, V. K. (1984). Some methods of inclusion probability proportional to size sampling. Journal of the Royal Statistical Society, Series B, 46, 546-571.
- Olkin, I. (1958). Multivariate ratio estimation for finite population. *Biometrika*, 43, 154–163.
- Owen, A. B. (1988). Empirical likelihood ratio confidence intervals for a single functional. *Biometrika*, 75, 237–249.
- Owen, A. B. (2001). Empirical likelihood. New York: Chapman and Hall.
- Pal, S. (2008). Unbiasedly estimating the total of a stigmatizing variable from a complex survey on permitting options for direct or randomized responses. *Statistical Papers*, 49, 157–164.
- Patel, H. C., & Dharmadikari, S. K. (1978). Admissibility of Murthy's and Midzuno's estimators within the class of linear unbiased estimators of a finite population total. Sankhyā, C, 40, 21–28.
- Pathak, P. K. (1961). On the evaluation of moments of distinct units in a sample. *Sankhyā*, *A*, *23*, 415–420.
- Pathak, P. K., & Rao, T. J. (1967). In admissibility of customary estimators in sampling over two occasions. *Sankhyā*, *A*, *29*, 49–54.
- Pathak, P. K., & Shukla, N. D. (1966). Non-negativity of a variance estimator. *Sankhyā*, A, 28, 41–46.
- Patil, G. P., Sinha, A. K., & Taillie, C. (1993). Relative precision of ranked-set sampling: A comparison with the regression estimator. *Environmetrics*, 4, 399—412.
- Patil, G. P., Sinha, A. K., & Taillie, C. (1995). Finite population corrections for ranked set sampling. Annals of the Institute of Statistical Mathematics, 47, 621—636.
- Patterson, H. (1950). Sampling on successive occasions with partial replacement of units. *Journal of the Royal Statistical Society, Series B, 12,* 241–255.
- Peterson, C. G. J. (1896). The yearly immigration of young plaice into the Limfjord form the German Sea. Report of the Danish Biological Station, 6, 1–48.
- Pfeffermann, D. (2002). Small area estimation new developments and directions. *International Statistical Review*, 70, 125–143.
- Pfeffermann, D., & Nathan, G. (1981). Regression analysis of data from a cluster sample. *Journal of the American Statistical Association*, 76, 681–689.
- Pfeffermann, D., & Smith, T. M. F. (1985). Regression models for grouped populations in cross-section surveys. *International Statistical Review*, 53, 37–59.
- Plackett, R. L., & Burman, J. P. (1946). The design of optimum multifactorial experiments. *Biometrika*, 33, 305–325.
- Platek, R., Rao, J. N. K., Särndal, C. E., & Singh, M. P. (1987). *Small area statistics*. New York: Wiley.
- Platek, R., & Singh, M. P. (Eds.). (1986). Small area statistics: Contributed papers. Laboratory for Research in Statistics and Probability, Carleton University.
- Politz, A., & Simmons, W. (1949). An attempt to get the "not-at-homes" into the sample without call-backs. *Journal of the American Statistical Association*, 44, 9–31.
- Politz, A., & Simmons, W. (1950). Note on an attempt to get the not-at-homes into the sample without call-backs. *Journal of the American Statistical Association*, 45, 136–137.

- Pollock, K. H. (1975). A K-sample tag-recapture model allowing for unequal survival and catchability. *Biometrika*, 62, 577–583.
- Pollock, K. H., Nichols, J. D., Brownie, C., & Hines, J. E. (1990). Statistical inference for capture-recapture experiments. Wildlife Monograph, 107.
- Porter, R. M. (1973). On the use of survey sample weights in the linear model. *Annals of Economic and Social Measurement*, 2, 141–158.
- Prasad, N. G. N., & Rao, J. N. K. (1990). The estimation of mean squared errors of small area estimators. *Journal of the American Statistical Association*, 85, 163–171.
- Purcell, N. J., & Kish, L. (1979). Estimation for small domain. Biometrics, 35, 365-384.
- Purcell, N. J., & Kish, L. (1980). Postcensal estimates for local areas (or domains). *International Statistical Review*, 48, 3–18.
- Quenouille, M. H. (1949). Problems in plane sampling. *Annals of Mathematical Statistics*, 20, 335–375.
- Quenouille, M. H. (1956). Notes on bias in estimation. Biometrika, 43, 353-360.
- Quin, J., & Lawless, J. (1994). Empirical likelihood and general estimating equations. *Annals of Statistics*, 22, 300–325.
- Quin, Y., Rao, J. N. K., & Ren, Q. (2006). Confidence intervals for parameters of the response variable in a linear model with missing data. Technical Report. Ottawa, Canada: Laboratory for Research in Statistics and Probability, Carleton University.
- Raghavarao, D. (1971). Constructions and combinatorial problems in design of experiments. New York: Wiley.
- Raghavarao, D. (1978). On estimation problem in Warner's randomized response techniques. Biometrics, 34, 87–90.
- Raj, D. (1956). Some estimators in sampling with varying probabilities without replacement. Journal of the American Statistical Association, 51, 269–284.
- Raj, D. (1958). On the relative accuracy of some sampling techniques. *Journal of the American Statistical Association*, 53, 98–101.
- Raj, D. (1965a). On a method of using multi-auxiliary in sample surveys. Journal of the American Statistical Association, 60, 270—277.
- Raj, D. (1965b). Sampling over two occasions with probability proportional to size. Annals of Mathematical Statistics, 36, 327–330.
- Raj, D. (1968). Sampling theory. New York: McGraw-Hill.
- Ramachandran, G., & Rao, T. J. (1974). Allocation to strata and relative efficiencies of stratified and unstratified πps sampling schemes. Journal of the Royal Statistical Society, Series B, 36, 558–606.
- Ramakrishnan, M. K. (1975). Choice of an optimum sampling strategy-I. *Annals of Statistics*, 3, 669–679.
- Rao, C. R. (1971). Some aspects of statistical inference in problems of sampling from finite populations. In V. P. Godambe, & D. A. Sprott (Eds.), Foundations of statistical inference (pp. 177–202). Toronto: Holt, Rinehart and Winston.
- Rao, J. N. K. (1961). On sampling with varying probabilities in sub-sampling designs. *Journal of the Indian Society of Agricultural Statistics*, 13, 211–217.
- Rao, J. N. K. (1963). On two systems of unequal probability sampling. *Annals of the Institute of Statistical Mathematics*, 15, 67–72.
- Rao, J. N. K. (1965). On two sample schemes of unequal probability sampling without replacement. *Journal of the Indian Society of Agricultural Statistics*, 3, 169–174.
- Rao, J. N. K. (1966a). Alternative estimators in PPS sampling for multiple characteristics. Sankhyā, A, 28, 47—60.
- Rao, J. N. K. (1966b). On the relative efficiency of some estimators in PPS sampling for multiple characteristics. Sankhyā, A, 28, 61–70.
- Rao, J. N. K. (1969). Ratio and regression estimators. In N. L. Johnson, & H. Smith (Eds.), New development in survey sampling (pp. 213–234). New York: Wiley.

- Rao, J. N. K. (1973). On double sampling for stratification and analytical surveys. *Biometrika*, 60, 125–133.
- Rao, J. N. K. (1975). Unbiased variance estimation for multi-stage designs. Sankhyā, C, 37, 133—139.
- Rao, J. N. K. (1979). On deriving mean square errors and their non-negative unbiased estimators in finite population sampling. *Journal of Indian Statistical Association*, 17, 125–136.
- Rao, J. N. K. (1994). Estimating totals and distribution functions using auxiliary information at the estimation stage. *Journal of Official Statistics*, 10, 153–165.
- Rao, J. N. K. (2003). Small area estimation. New Jersey: Wiley.
- Rao, J. N. K. (2006). Empirical likelihood for sample survey data: An overview. Austrian Journal of Statistics, 35, 191–196.
- Rao, J. N. K. (2010). Bayesian pseudo empirical likelihood intervals for complex surveys. Journal of the Royal Statistical Society, Series B, 72, 533-544.
- Rao, J. N. K., & Bellhouse, D. R. (1978). Estimation of finite population mean under generalized random permutation model. *Journal of Statistical Planning and Inference*, 2, 125–141.
- Rao, J. N. K., & Choudhry, G. H. (1995). Small area estimation: Overview and empirical study. In B. G. Cox, D. A. Binder, B. N. Chinnappa, A. Christianson, M. J. Colledge, & P. S. Kott (Eds.), Business survey method (pp. 527–542). New York: Wiley.
- Rao, J. N. K., & Graham, J. B. (1964). Rotation designs for sampling on repeated occasions. Journal of the American Statistical Association, 59, 492–509.
- Rao, J. N. K., Hartley, H. O., & Cochran, W. G. (1962). On a simple procedure of unequal probability sampling without replacement. *Journal of the Royal Statistical Society, Series B*, 24, 482–491.
- Rao, J. N. K., Kovar, J. G., & Mantel, H. J. (1990). On estimating distribution functions and quantiles from survey data using auxiliary information. *Biometrika*, 77, 365–375.
- Rao, J. N. K., & Nigam, A. K. (1990). Optimum controlled sampling designs. Biometrika, 77, 807—814.
- Rao, J. N. K., & Nigam, A. K. (1992). Optimal controlled sampling: A unified approach. International Statistical Review, 60, 89—98.
- Rao, J. N. K., & Shao, J. (1992). Jackknife variance estimation with survey data under hot deck imputation. *Biometrika*, 79, 811–822.
- Rao, J. N. K., & Scott, A. J. (1981). The analysis of categorical data from complex sample surveys: Chi-squared test for goodness of fit and independence in two-way tables. *Journal of the American Statistical Association*, 76, 221–230.
- Rao, J. N. K., & Scott, A. J. (1984). On chi-squares tests for multi-way tables with cell proportions estimated from survey data. *Annals of Statistics*, 15, 385–397.
- Rao, J. N. K., & Scott, A. J. (1987). On simple adjustments to chi-square tests with sample survey data. *Annals of Statistics*, 15, 385–397.
- Rao, J. N. K., & Shao, J. (1996). On balanced half-sample variance estimation in stratified random sampling. *Journal of the American Statistical Association*, 91, 343–348.
- Rao, J. N. K., & Shao, J. (1999). Modified balanced repeated replication for complex survey data. *Biometrika*, 86, 403–415.
- Rao, J. N. K., & Thomas, D. R. (1988). The analysis of cross-classified categorical data from complex surveys. *Sociological Methodology*, 18, 213–269.
- Rao, J. N. K., & Vijayan, K. (1977). On estimating the variance in sampling with probability proportional to aggregate size. *Journal of the American Statistical Association*, 72, 579–584.
- Rao, J. N. K., & Vijayan, K. (2008). Application of experimental designs in survey sampling. Journal of the Indian Society of Agricultural Statistics, 62, 126–131.
- Rao, J. N. K., & Webster, K. (1966). On two methods of bias reduction in estimation of ratios. Biometrika, 53, 571–577.

- Rao, J. N. K., & Wu, C. (2009). Empirical likelihood methods. In C. R. Rao, & D. Pfeffermann (Eds.), Handbook of statistics (Vol. 29B, pp. 189–207). Oxford: Elsevier.
- Rao, J. N. K., & Wu, C. F. G. (1988). Resampling inference with complex survey data. Journal of the American Statistical Association, 72, 579-584.
- Rao, P. S. R. S. (1981). Estimation of the mean square error of the ratio estimator. In D. Krewski, R. Platek, & J. N. K. Rao (Eds.), Current topics in survey sampling (pp. 305-315). New York: Academic Press.
- Rao, P. S. R. S., & Rao, J. N. K. (1971). Small sample results for ratio estimators. *Biometrika*, 58, 625–630.
- Rao, T. J. (1966). On certain unbiased estimators. Annals of the Institute of Statistical Mathematics, 18, 117–121.
- Rao, T. J. (1967a). On the choice of a strategy for a ratio method of estimation. *Journal of the Royal Statistical Society, Series B*, 29, 392–397.
- Rao, T. J. (1967b). Contribution to the theory of sampling strategies. Calcutta: I.S.I (Ph.D. thesis).
- Rao, T. J. (1968). On the allocation of sample size in stratified sampling. *Annals of the Institute of Statistical Mathematics*, 20, 159–166.
- Rao, T. J. (1971). πps sampling designs and Horvitz-Thompson estimator. Journal of the American Statistical Association, 66, 872–875.
- Rao, T. J. (1972). On the variance of ratio estimator for the Midzuno-Sen sampling scheme. *Metrika, 18,* 209–215.
- Rao, T. J. (1977a). Estimating variance of the ratio estimator for the Midzuno-Sen sampling scheme. Metrika, 24, 203—208.
- Rao, T. J. (1977b). Optimum allocation of sample size and prior distributions: A review. International Statistical Review, 45, 173–179.
- Rao, T. J. (1983). Horvitz-Thompson strategy vs. stratified random sampling strategy. *Journal of Statistical Planning and Inference*, 8, 43-50.
- Roberts, G., Rao, J. N. K., & Kumar, S. (1987). Logistic regression analysis of sample survey data. *Biometrika*, 74, 1–12.
- Robson, D. S. (1957). Application of multivariate polykays to the theory of unbiased ratio type estimation. *Journal of the American Statistical Association*, 52, 511–522.
- Robson, D. S., & Regier, H. A. (1964). Sample size in Peterson mark-recapture experiments. Transactions of the American Fisheries Society, 93, 215–226.
- Royall, R. M. (1970). On finite population sampling theory under certain linear regression models. *Biometrika*, 57, 377–387.
- Royall, R. M., & Cumberland, W. G. (1981). An empirical study of the ratio estimator and estimator of variance. *Journal of the American Statistical Association*, 76, 66–77.
- Royall, R. M., & Herson, J. (1973). Robust estimation in finite population I. Journal of the American Statistical Association, 68, 880–889.
- Rubin, D. B. (1976). Inference and missing data. Biometrika, 63, 581-592.
- Rubin, D. B. (1987). Multiple imputation for nonresponse in surveys. New York: Wiley.
- Rueda, M., Cobo, B., & Arcos, A. (2015). Package 'RRTCS': Randomized response techniques for complex surveys. Retrieved from http://cran.r-project.org/web/packages/RRTCS.
- Rueda, M., Martinez, S., Martinez, H., & Arcos, A. (2007). Estimation of the distribution function with calibrated methods. *Journal of Statistical Planning and Inference*, 137, 435–448.
- Ruppert, D., Wand, M. P., & Carroll, R. J. (2003). Semiparametric regression. New York: Cambridge University Press.
- Saigo, H., Shao, J., & Sitter, R. (2001). A repeated half-sample bootstrap and balanced repeated replications for randomly imputed data. Survey Methodology, 27, 189–196.
- Sampford, M. R. (1967). On sampling without replacement with unequal probability selection. *Biometrika*, 67, 639–650.

- Särndal, C. E. (1982). Implications of survey design for generalized regression estimation of linear functions. *Journal of Statistical Planning and Inference*, 7, 155–170.
- Särndal, C. E., & Hidiroglou, M. A. (1989). Small domain estimation: A conditional analysis. *Journal of the American Statistical Association*, 84, 266–275.
- Särndal, C. E., Swensson, B., & Wretman, J. (1992). *Model assisted survey sampling*. New York: Springer-Verlag.
- Saxena, B. C., Narian, P., & Srivastava, A. K. (1984). Multiple frame surveys in two stage sampling. *Sankhyā*, *B*, 75–82.
- Schenker, N., & Welsh, A. (1988). Asymptotic results for multiple imputation. Annals of Statistics, 16, 1550-1566.
- Schnabel, Z. E. (1938). The estimation of total fish population of a lake. *American Mathematical Monthly*, 45, 348–352.
- Schucany, W. R., Gray, H. L., & Owen, D. B. (1971). On bias reduction in estimation. *Journal of the American Statistical Association*, 66, 524–533.
- Scott, A. J., & Holt, D. (1982). The effect of two-stage sampling on ordinary least squares. *Journal of the American Statistical Association*, 77, 848–854.
- Scott, A. J., & Rao, J. N. K. (1981). Chi-squared tests for contingency tables with proportions estimated from survey data. In D. Krewski, & J. N. K. Rao (Eds.), *Current topics in survey sampling*. New York: Academic Press.
- Searls, D. T. (1964). The utilization of a known coefficient of variation in estimation procedure. *Journal of the American Statistical Association*, 21, 20–21.
- Seber, G. A. F. (1965). A note on multiple-recapture census. Biometrka, 52, 249-269.
- Seber, G. A. F. (1970). The effects of trap response on tags-recapture estimates. *Biometrics*, 26, 13–22.
- Seber, G. A. F. (1973). The estimation of animal abundance and related parameters. London: Griffin.
- Seber, G. A. F. (1982). The estimation of animal abundance and related parameters. New York: Macmillan.
- Seber, G. A. F. (1986). A review of estimating animal abundance. *Biometrics*, 42, 267–292.
- Sen, A. R. (1953). On estimate of variance in sampling with varying probabilities. *Journal of the Indian Society of Agricultural Statistics*, 5, 119–127.
- Sengupta, S. (1980). On admissibility of the generalized Des Raj estimator for PPSWR-sampling of size two. Calcutta Statistical Association Bulletin, 29, 35–40.
- Seth, G. R. (1966). On estimates of variance of estimates of population total in varying probabilities. Journal of the Indian Society of Agricultural Statistics, 5, 119—127.
- Sethi, V. K. (1965). On optimum pairing of units. Sankhyā, B, 27, 315-320.
- Shah, B. V., Holt, M. M., & Folsom, R. E. (1977). Inference about regression models from sample survey data. Bulletin of the International Statistical Institute, 47(3), 43-57.
- Shao, J., Chen, Y., & Chen, Y. (1998). Balanced repeated replication for multistage survey data under imputation. *Journal of the American Statistical Association*, 93, 819–831.
- Shao, J., & Sitter, R. R. (1996). Bootstrap for imputed survey data. *Journal of the American Statistical Association*, 91, 755–765.
- Shen, W. (1994). Use of ranked-set sampling for test of a normal mean. *Calcutta Statistical Association Bulletin*, 44, 183–193.
- Shukla, N. D. (1976). Almost unbiased product-type estimator. Metrika, 23, 127-133.
- Silva, P. L. D., & Skinner, C. J. (1995). Estimating distribution function with auxiliary information using poststratification. *Journal of Official Statistics*, 11, 277–294.
- Singh, A. C., Mantel, J. H., & Thomas, B. W. (1994). Time series EBLUPs for small areas using survey data. *Survey Methodology*, 20, 33–43.
- Singh, A. C., & Mohl, C. A. (1996). Understanding calibration estimators in survey sampling. Survey Methodology, 22, 107—115.
- Singh, A. C., Stukel, D. M., & Pfeffermann, D. (1998). Bayesian versus frequentist measures of error in small area estimation. *Journal of the Royal Statistical Society, Series B*, 60, 377–396.

- Singh, A. C., & Wu, S. (1996). Estimation for multiframe complex surveys by modified regression. In Proceedings of the survey method section of the American Statistical Association (pp. 69-77).
- Singh, D. (1968). Estimates in successive sampling using a multi-stage design. *Journal of the American Statistical Association*, 63, 99–112.
- Singh, D., Jindal, K. K., & Grag, J. N. (1968). On modified systematic sampling. *Bometrika*, 55, 541–546.
- Singh, D., & Kathuria, O. P. (1969). On two-stage successive sampling. Australian Journal of Statistics, 11, 59-66.
- Singh, J. (1976). A note on RR techniques. In Proceedings of the survey research methods section of the American Statistical Association (p. 772).
- Singh, J. (1978). A note on maximum likelihood estimation from randomized response models. In Proceedings of the survey research methods section of the American Statistical Association (pp. 282–283).
- Singh, P., & Srivastava, A. K. (1980). Sampling schemes providing unbiased regression estimators. *Biometrika*, 67, 205–209.
- Singh, R. (1972). On Pathak and Rao's estimates in pps with replacement over two occasions. Sankhyā, A, 34, 301–303.
- Singh, S. (2003). Advanced sampling theory with applications. Netherlands: Kluwer Academic Publishers.
- Singh, S., & Joarder, A. H. (1997). Optional randomized response technique for sensitive quantitative variable. *Metron*, 15, 151–157.
- Singh, S., & Singh, R. (1979). On random non-response in unequal probability sampling. Sankhyā, C, 41, 127—137.
- Sinha, B. K. (1973). On sampling schemes to realise pre-assigned sets of inclusion probabilities of first two orders. *Calcutta Statistical Association Bulletin*, 22, 69–110.
- Sinha, B. K., Sinha, B. K., & Purkayastha, S. (1996). On some aspects of ranked set sampling for estimation of normal and exponential parameters. Statistics and Decisions, 14, 223–240.
- Sirken, M. G. (1970). Household surveys with multiplicity. Journal of the American Statistical Association, 65, 257–266.
- Sirken, M. G. (1972). Variance components of multiplicity estimators. *Biometrics*, 28, 869–873.
- Sirken, M. G., Grabard, B. I., & Mcdaniel, M. J. (1978). National network surveys of diabetes. In Proceedings of the survey research methods section of the American Statistical Association (pp. 631–635).
- Sirken, M. G., & Levy, P. S. (1974). Multiplicity estimation of proportions based on ratios of random variables. *Journal of the American Statistical Association*, 69, 68–73.
- Sitter, R. R. (1992a). A resampling procedure for complex survey data. *Journal of the American Statistical Association*, 87, 755–765.
- Sitter, R. R. (1992b). Comparing three bootstrap methods for survey data. *The Canadian Journal of Statistics*, 20, 135–184.
- Sitter, R. R., & Wu, C. (2002). Efficient estimation of quadratic finite population functions in the presence of auxiliary information. *Journal of the American Statistical Association*, 97, 535-543.
- Skinner, C. J. (1991). On the efficiency of raking ratio estimation for multiple frame surveys. *Journal of the American Statistical Association*, 86, 779–784.
- Skinner, C. J., & Rao, J. N. K. (1996). Estimation in dual frame surveys with complex designs. Journal of the American Statistical Association, 91, 349-356.
- Smith, H. F. (1938). An empirical law describing heterogeneity in the yield of agricultural crops. *Journal of Agricultural Science*, 28, 1–23.

- Smith, S. K., & Lewis, B. B. (1980). Some new techniques for applying the housing unit method of local population estimations. *Demography*, 17, 323–340.
- Snow, R. E., Hutcheson, J. D., & Prather, J. E. (1981). Using reputational sampling to identify residential clusters of minorities in a large urban region: Hispanics in Atlanta, Georgia. In Proceedings of the survey research methods section of the American Statistical Association (pp. 101–106).
- Solomon, H., & Stephens, M. A. (1977). Distribution of a sum of weighted chi-square variables. *Journal of the American Statistical Association*, 72, 881–885.
- Srinath, K. P. (1971). Multiphase sampling in non-response problems. Journal of the American Statistical Association, 66, 583-586.
- Srinath, K. P., & Hidiroglou, M. A. (1980). Estimation of variance in multi-stage sampling. Metrika, 27, 121–125.
- Srivastava, S. K. (1967). An estimator using auxiliary information in sample surveys. Calcutta Statistical Association Bulletin, 16, 121–132.
- Srivenkataramana, T. (1980). A dual to ratio estimator in sample surveys. *Biometrika*, 67, 199–204.
- Stephan, F. F. (1945). The expected value and variance of the reciprocal and other negative powers of a positive Bernoulli variate. *Annals of Mathematical Statistics*, 16, 50–61.
- Stokes, S. L. (1977). Ranked set sampling with concomitant variables. *Communications in Statistics Theory and Methods, 12,* 1207–1211.
- Stokes, S. L. (1980a). Estimation of variance using judgment ordered ranked-set samples. *Biometrics*, *36*, 35–42.
- Stokes, S. L. (1980b). Inference on correlation coefficient in bivariate normal populations from ranked-set sampling. *Journal of the American Statistical Association*, 75, 989–995.
- Stokes, S. L. (1988). Characterization of a ranked-set sample with application to estimating distribution functions. *Journal of the American Statistical Association*, 83, 374–381.
- Stokes, S. L., & Sager, T. W. (1988). Characterization of ranked-set sample with application to estimating distribution function. *Journal of the American Statistical Association*, 83, 374–381.
- Stufken, J. (1993). Combinatorial and statistical aspects of sampling plans to avoid the selection of adjustment units. *Journal of Combinatorics, Information and System Sciences*, 18, 81–92.
- Stufken, J., Song, S. Y., See, K., & Driessel, K. R. (1999). Polygonal design: Some existence and non-existence results. *Journal of Statistical Planning and Inference*, 77, 155–166.
- Stukel, D. M., & Rao, J. N. K. (1999). Small-area estimation under two-fold nested error regression models. *Journal of Statistical Planning and Inference*, 78, 131–147.
- Sudakar, K. (1978). A note on circular systematic sampling design. Sankhyā, C, 40, 72.
- Sudman, S. (1972). On sampling very rare human populations. *Journal of the American Statistical Association*, 67, 335–339.
- Sudman, S. (1976). Applied sampling. New York: Academic Press.
- Sudman, S. (1978). Optimum cluster designs within a primary unit using combined telephone screening and face-to-face interviewing. *Journal of the American Statistical Association*, 73, 300-304.
- Sudman, S. (1985). Efficient screening methods for the sampling of geographically clustered special populations. *Journal of Marketing Research*, 22, 20–29.
- Sudman, S., & Kalton, G. (1986). New development in the sampling of special populations. *Annual Review of Sociology*, 12, 401–429.
- Sukhatme, P. V. (1944). Moments and product moments of moment statistics for samples of finite and infinite populations. *Sankhyā*, *6*, 363—382.
- Sukhatme, P. V., & Sukhatme, B. V. (1970). Sampling theory and applications. Ames: Iowa State University Press.

- Sukhatme, P. V., Sukhatme, B. V., Sukhatme, S., & Asok, C. (1984). Sampling theory of surveys with applications. New Delhi: Iowa State University Press and Indian Society of Agricultural Statistics.
- Takahasi, K., & Wakimoto, K. (1968). On unbiased estimates of the population mean based on the sample stratified by means of ordering. Annals of the Institute of Statistical Mathematics, 30, 814–824.
- Takeuchi, K., Yanai, H., & Mukherjee, B. N. (1983). The foundations of multivariate analysis (1st ed.). New Delhi: Wiley Eastern Ltd.
- Tam, S. M. (1984). Optimal estimation in survey sampling under a regression superpopulation model. *Biometrika*, 71, 645—647.
- Thomas, D. R. (1989). Simultaneous confidence intervals for proportions under cluster sampling. *Survey Methodology*, 15, 557–559.
- Thomas, D. R., & Rao, J. N. K. (1987). Small sample comparison level and power for simple goodness-of-fit statistics under cluster sampling. *Journal of the American Statistical Association*, 82, 630–636.
- Thompson, S. K. (1990). Adaptive cluster sampling. *Journal of the American Statistical Association*, 85, 1050–1059.
- Thompson, S. K., & Seber, G. A. F. (1996). Adaptive sampling. New York: Wiley.
- Tikkiwal, B. D. (1951). *Theory of successive sampling*. New Delhi: ICAR (Unpublished thesis for diploma).
- Tin, M. (1965). Comparison of some ratio estimators. *Journal of the American Statistical Association*, 60, 294–307.
- Tiwari, N., Nigam, A. K., & Pant, I. (2007). On an optimum controlled nearest proportional to size sampling scheme. *Survey Methodology*, 33, 87–94.
- Tracy, D. S., & Osahan, S. S. (1994). Estimating in overlapping clusters with unknown population size. *Survey Methodology*, 20, 53–57.
- Tripathi, T. P., & Srivastava, O. P. (1979). Estimation on successive occasions using PPSWR sampling. *Sankhyā*, *C*, 41, 84–91.
- Tuckey, J. W. (1958). Bias and confidence in not quite large samples. *Annals of Statistics*, 29, 614.
- Vallerory, L. A., Mackellar, D., & Karon, J. (2000). HIV prevalence and associated risks in young men who have sex with men. *Journal of the American Statistical Association*, 284, 198–204.
- Van der Heijden, P. G. M., Van Gils, G., Bouts, J., & Hox, J. J. (1998). A comparison of randomized response, CASAQ, and direct questioning; eliciting sensitive information in the context of social security fraud. *Kwantitatieve Methoden*, 59, 15–34.
- Vijayan, K. (1975). On estimating the variance in unequal probability sampling. Journal of the American Statistical Association, 70, 713—716.
- Vijayan, K. (1991). Estimating function in Survey Sampling: Estimation of superpopulation regression parameters. In V. P. Godambe (Ed.), *Estimating functions* (pp. 223–238). Clarendon Press: Oxford Univ.
- Wakesberg, J. (1978). Sampling method for random digit dialing. *Journal of the American Statistical Association*, 73, 40–46.
- Wang, Q., & Rao, J. N. K. (2002). Empirical likelihood-based inference in linear models with missing data. Scandinavian Journal of Statistics, 29, 563-576.
- Wang, R., Sedransk, J., & Jinn, J. H. (1992). Data analysis when there are missing observations. *Journal of the American Statistical Association*, 87, 952–961.
- Wang, S., & Dorfman, A. H. (1996). A new estimator for the finite population distribution function. *Biometrika*, 83, 639–652.
- Warner, S. L. (1965). Randomize response: A survey technique for eliminating evasive answer bias. *Journal of the American Statistical Association*, 60, 63–69.
- Waterton, J. J. (1983). A exercise in controlled selections. Applied Statistics, 32, 150-164.

- Watson, G. S. (1964). Smooth regression analysis. Sankhyā, A, 359-372.
- Welch, S. (1975). Sampling by referral in a dispersed population. *Public Opinion Quarterly*, 39, 237–245.
- Wolter, K. M. (1984). An investigation of some estimators of variance for systematic sampling. *Journal of the American Statistical Association*, 79, 781–790.
- Wolter, K. M. (1985). Introduction to variance estimation. New York: Springer-Verlag.
- Woodruff, R. S. (1952). Confidence interval for medians and other position measures. *Journal of the American Statistical Association*, 47, 635–636.
- Woodruff, R. S. (1959). The use of rotation samples in Census Bureau's monthly surveys. In *Proceedings of the survey research methods section of the American Statistical Association* (pp. 130–138).
- Woodruff, R. S. (1971). A simple method of approximation of variance of a complicated estimate. Journal of the American Statistical Association, 79, 781—790.
- Wu, C. (1999). The effective use of complete auxiliary information from survey data. Canada: Simon Fraser University (Unpublished doctoral dissertation).
- Wu, C. (2004). Combine information from multiple surveys through empirical likelihood. *The Canadian Journal of Statistics*, 34, 15–26.
- Wu, C. (2005). Algorithms and R codes for the pseudo empirical likelihood method in survey sampling. Survey Methodology, 31, 239–243.
- Wu, C., & Rao, J. N. K. (2006). Pseudo empirical likelihood ratio confidence intervals for complex surveys. The Canadian Journal of Statistics, 34, 359—375.
- Wu, C., & Rao, J. N. K. (2009). Bootstrap procedure for pseudo empirical likelihood method in sample surveys. Working paper series, 2009—2. Department of Statistics and Actuarial Science, University of Waterloo.
- Wu, C., & Sitter, R. R. (2001). A model-calibration approach to use complex auxiliary information from survey data. *Journal of the American Statistical Association*, 96, 185–193.
- Wu, C. F. J. (1982). Estimation of variance of the ratio estimator. Biometrika, 69, 183-189.
- Wynn, H. P. (1977). Convex sets of finite population plans. Annals of Statistics, 5, 414-418.
- Yates, F. (1948). Systematic sampling. Philosophical Transactions of the Royal Statistical Society, A, 214, 345—377.
- Yates, F. (1949). Sampling methods for censuses and surveys. London: Charles Griffins.
- Yates, F., & Grundy, P. M. (1953). Selection without replacement from within strata with probability proportional to size. *Journal of the Royal Statistical Society, Series B*, 15, 235–261.
- Yu, P. L. H., & Lam, K. (1997). Regression estimator in ranked set sampling. Biometrics, 53, 1070–1080.
- Zhong, B., & Rao, J. N. K. (2000). Empirical likelihood under stratified random sampling using auxiliary population information. *Biometrika*, 87, 929–938.