

**LIST OF PAPERS CONTRIBUTED BY
PROF. P.V. SUKHATME**

1935

1. Contribution to the theory of the representative method. *J. Roy. Statist. Soc., Suppl.*, **2**, 253-268.
2. A contribution to the problem of two samples. *Proceedings of the Indian Academy of Science*, **2**, Sec A, 584-604.
3. Discussion on the paper 'Statistical problems in agricultural experimentation, by J. Neyman, K. Iwazkiewicz and St. Kolodziezewzyk, *JRSS*, 107-154. *J. Roy. Statist. Soc., Suppl.*, **2**, 166-169.

1936

4. An illustration of the use of the χ^2 technique of analysis on meteorological data. *Indian J. Agric. Sciences*, **6**, 1292-1298.
5. Serial experiments. *Current Sci.*, **5**, 592.
6. The problem of k samples for poisson population. *National Academy of Sciences, India*, **3**, 297-305.
7. Tests of significance for samples of the χ^2 -population with two degrees of freedom. *Annals of Eugenics*, **8**, 52-56.
8. On the distribution of χ^2 in samples of the Poisson Series. *J. Roy. Statist. Soc., Suppl.*, **5**, 75-79.
9. On Fisher and Behrens test of significance for the difference in means of two normal samples. *Sankhya*, **4**, 39-48.
10. Standardization in industry. *Sankhya*, **4**, 256-257.
11. On bi-partitional functions. *Phil. Transactions of the Roy. Soc., London, Series A*, **237**, 375-409.
12. On Fisher's combinatorial methods giving moments and cumulants of the distributions of k-statistics. *Sankhya*, **4**, 53-64.
13. An application of the bi-partitional function Hg (P, Q) in the enumeration of different samples from finite population. *Proceedings of the Indian Academy of Sciences*, **8**, Sec. A, 8-11.

1937

14. On the analysis of k-samples from exponential population with special reference to the problem of random intervals. *Statistical Research Memoirs*, **1**, 94-112.

1940

15. Some aspects of Biometry. *Science and Culture*, **6**, 233-238.

1941

16. Economics of manuring, *Indian J. Agric. Sciences*, **11**, 325-337.

1942

17. On Bernstein's improved method of estimating blood-group gene frequencies. *Sankhya*, **6**, 85-92.

1943

18. (and Panse, V.G.). Size of experiments for testing seed or vaccines. *Indian J. Vet. Sci. and Animal Husb.*, **13**, 75.

1944

19. Note on the method of calculating sire index for milk production in cattle. *Indian J. Vet. Sci. and Animal Husb.*, **14**, 114-123.
20. Statistical study of breeding experiment with goats. *Indian J. Vet. Sci. and Animal Husb.*, **14**.
21. Moments and products moments of moment-statistics for samples of the finite and infinite populations. *Sankhya*, **6**, 363-382.
22. Crop-cutting survey of wheat in the Punjab. *Nature*, **154**, 299.

1945

23. An interim report on the crop-cutting survey for estimating the out turn of wheat in the Punjab (1943-44). *Proceedings of the Indian Academy of Sciences*, **21**, Sec B, 328-341.
24. Random sampling for estimating rice yield in Madras Province. *The Indian J. Ag. Sci.*, **15**, 308-318.
25. Report on the scheme for crop-cutting technique, Bihar Crop Survey-Paddy 1945. Imperial Council of Agricultural Research, 1-17.
26. Report on random sample survey for estimating the outturn of wheat in Sind 1944-1945, *Imperial Council of Agricultural Research*, 1-44.

1946

27. (with Kadam B.S. and Bhat N.R.). Random sampling for estimating rice yield in Kolaba, Bombay. *Proceedings of the Indian Academy of Sciences*, **23**, Sec B, 194-209.
28. Bias in the use of small-size plots in sample surveys for yield. *Nature*, **157**, 630, *Current Science*, **15**, 119-120.
29. Size of sampling unit in yield surveys. *Nature*, **158**, 345.

30. Report on crop-cutting experimental survey for estimating the out turn of Wheat, U.P., 1943-44. *Imperial Council of Agricultural Research.*
31. Report on the crop-cutting survey by the random sampling method for estimating the outturn of paddy in the United Provinces 1945- 46. *Indian Council of Agricultural Research, Govt. of India Press, Simla, 1-86.*
32. (with Kishen, K.). Report on the 3rd random sample survey for estimating the outturn of wheat in the United Provinces, 1945-46.
1947
33. The problem of plot size in large-scale yield surveys. *J. Amer. Statist. Assoc.*, 42, 297-310.
34. Use of small size plots in yield surveys. *Nature*, 160, 542.
35. Report on scheme for crop-cutting experiments for comparing large and small-size plots, Moradabad Dist., United Provinces, 1944-45. Superintendent Printing and Stationary, United Provinces, India, 1-15.
36. Report on random sample survey for estimating the outturn of paddy in Central Provinces and Berar, 1945-46. *Imperial Council of Agricultural Research, New Delhi.*
37. Report on a random sample survey for estimating the outturn of paddy in Madras, 1945-46. *Imperial Council of Agricultural Research, New Delhi.*
38. (and Koshal, R.S.). Report on scheme for crop cutting experimental survey on paddy in the Bombay Province, 1945-46. *Imperial Council of Agricultural Research, New Delhi.*
39. Indian Council of Agricultural Research Report on the crop cutting survey by the random sampling method for estimating the outturn of wheat in Sind, 1945-46. Govt. of India Press.
40. Indian Council of Agricultural Research Report on the crop cutting survey by the random sampling method for estimating the outturn of wheat in the Central Provinces & Berar 1946. Printed in India, Simla 1-46.
41. Indian Council of Agricultural Research report on the crop cutting survey by the random sampling method for estimating the outturn of wheat in Central Provinces + Berar, Govt. of India.
42. Indian Council of Agricultural Research Report on the crop cutting survey by the random sampling method for estimating the outturn of rice in the Central Provinces and Berar, 1947-48, Govt. of India.

1948

43. (and Panse, V.G.). Crop surveys in India-I. *J. Ind. Soc. Agril. Statist.*, 1, 34-58.
44. (with Pendharkar, V.G. and Sankaran, A.N.). A statistical study in the composition of milk. Misc. Bulletin No. 61, *Indian Council of Agricultural Research*.
45. (with Prabhu, S.S. and Amble, V.N.). On a method of estimating nutrient requirements in metabolism studies on animals. *J. Ind. Soc. Agril. Statist.*, 1, 117-136.
46. Experimental survey for estimating the outturn of wheat, Punjab, 1943-44. Govt. of India Press, Calcutta, 1-68.

1949

47. (and Aggarwal, O.P.). Report on random sample surveys for estimating yield of wheat in Delhi Province. *Indian Council of Agricultural Research*.

1950

48. Efficiency of sub-sampling designs in yield surveys. *J. Ind. Soc. Agril. Statist.*, 2, 212-228.
49. Sample surveys in agriculture. *Proceedings of the 37th Indian Science Congress*, Part II: Presidential Address, Section 2: Statistics, 51-73.
50. 1950 Report on the 2nd random sample survey for estimating the outturn of paddy in United Provinces, 1946-47, Parts I & II, Allahabad.

1951

51. (and Panse, V.G.). Crop surveys in India-II. *J. Ind. Soc. Agril. Statist.*, 3, 97-168.
52. (and Kishen, K.). Assessment of the accuracy of *Patwaris*, area records. *Agricultural and Animal Husbandry*, 1, 36-47.
53. (and Kishen, K.). Systems of agricultural statistics. *Bulletin of the International Statistical Institute*, 33, Part 5, 163-175.
54. (with Thawani, V.D., Pendharkar, V.G. and Natu, N.P.). Revised tables for the d-test of significance. *J. Ind. Soc. Agril. Statist.*, 3, 9-23.
55. Assessment of additional food production (Report of sample survey in Madhya Pradesh, 1949). *Agricultural Situation in India*, 5, 719-723.

1952

56. (and Narain, R.D.). Sampling with replacement. *J. Ind. Soc. Agril. Statist.*, 4, 42-49.

57. (and Seth, G.R.). Non-sampling errors in surveys. *J. Ind. Soc. Agril. Statist.*, **4**, 5-41.
58. Random sampling for improvement of agricultural statistics. *Monthly Bulletin of Agriculture and Economic Statistics*, **1**, 2-6.

1953

59. (and Panse, V.G.). Experiments in cultivator's fields. *J. Ind. Soc. Agril. Statist.*, **5**, 144-160.
60. Measurement of observational errors in surveys. *Review of the International Statistical Institute*, **20**, 121-134.
61. El. Programa De Estadsticcas Agropecuarias De FAO. *Estadistieal Journal of the Inter American Statistical Institute*, **11**, 385-393.
62. Why Sampling? Inaugural Address at the meeting of the Ceylon Statistical Society, January 7.
63. The variance of the regression estimate in double sampling from finite populations. *Metron*, **17**, 1-2.

1954

64. *Sampling Theory of Survey with Applications*. Indian Society of Agricultural Statistics, New Delhi, India and the Iowa State College Press, Ames, Iowa, USA.
65. (with Panse, V.G.). *Statistical Methods for Agricultural Workers*. Indian Council of Agricultural Research, New Delhi, India.
66. National sample survey - A review, *Indian Econ. Jour.*, **1**, 239-252.
67. National sample survey - A review. *Indian Econ. Jour.*, No. 3. **1**, 239-252.

1955

68. Statistical services in agricultural research. Statistical Seminar, January, Helsinki, Finland.
69. Discussion of techniques of field investigation - Agricultural Economics Conference.

1956

70. (with Sherman, P.L.). International indices of agricultural production. *FAO's Bull. of Agri. Eco. & Stats*, **5**, 1-4.
71. Sample surveys in Indian Agriculture. From sample surveys in Indian Agriculture-Problems & prospects, 147-159.

1957

72. Ainostragem Nas Estatisticas Agricolas Estadistica. *Jour. Inter. Ameri. Stat. Inst. Junio.*, 212-217.

1958

73. (with Panse, V.G. and Sastry, K.V.R.) Sampling technique for estimating catch of sea fish in India. *Biometrics*, **14**, 78-96.
74. The 1960 World Census of Agriculture. *Bull. Inter. Stat. Inst.*, **36**, 239-250.

1959

75. Statistics for agricultural planning-Developments in agricultural statistics during the last 15 years, *J. Ind. Soc. Agril. Statist.*, **11**, 9-26.
76. Sir Pheroze Kharegat. *J. Ind. Soc. Agril. Statist.*, **11**, 27-31.
77. Major Developments in the theory and applications of sampling during the last twenty-five years. *Estadistica. J. Inter. Amer. Stat. Inst.*, **17**, 652-679.
78. Indian Agricultural Statistics Research Institute, New Delhi. Silver Jubilee Souvenir, 1959-1914. Philosophy of poor. Helping the poor to combat poverty.

1960

79. El Censo Agropecuario Mundial De 1960. *Estadistica. J. Inter. Amer. Stat. Inst.*, **18**, 19-31.

1961

80. The incidence of hunger and malnutrition in the world, *Atlantis*, 10-12.
81. India's problem of hunger and future needs in food supplies. 14th Annual Meeting, *Indian Society of Agricultural Statistics*, New Delhi.
82. The World's hunger and future needs in food supplies. *J. Roy. Statist. Soc., Ser. A*, **124**, 463-525.
83. The 1960 world census of agriculture. The use of agricultural census results as basic data for planning, formulating and appraising agricultural development projects. Seminar on analysis, evaluation and uses of agricultural census and survey results for the African Region, Nairobi, Kenya- Aug. 21-Sept. 2, organized by FAO of the United Nations.
84. The 1960 world census of agriculture. seminar on analysis, evaluation and uses of agricultural census and survey results for the African Region, Nairobi, Kenya- Aug. 21-Sept. 2, organized by FAO of the United Nations.

85. (with Elmahdy-Said). Definition of agricultural labour force. *Bull. Inter. Stat. Inst.* 38, Part 2, 307-324.

1962

86. Six billions to feed. *World Food Problems*, No. 4, FAO.
87. Food supplies and human nutrition. Essays on population, Stanford university.
88. The food and nutrition situation in India - Part I. *Indian J. Agri. Econ.*, 17(2), 1-28.
89. The food and nutrition situation in India - Part II. *Indian J. Agri. Econ.*, 17(3), 1-34.

1963

90. Third world food survey. *FFHC Basic Study*. No. 11, FAO, Rome.
91. The incidence of hunger. *Statistica Neerlandica*, 17, 401-424.
92. The implications of population trends for food supplies and requirements for the Far East with special reference to India. Asian Population Conference, New Delhi.
93. The phenomenon of hunger as FAO sees it. *World Justice*, 5, No. 2, Lecture delivered on the occasion of the World Freedom from Hunger Week, NOVIB, The Hague, 21st March.

1964

94. Food and agriculture in 1984. *New Scientist*, 21, 376.
95. Implications of population growth on food and agricultural development in the Far East. 7th FAO Regional Conference for Asia and the Far East.
96. Problems of world hunger, today and tomorrow. Paper for 38th International Eucharistic Congress, Bombay, Seminar on Food and Health.
97. The application of science and technology to production of agricultural fisheries and forestry products. Paper presented to the Symposium on Statistical Requirements for Planning Increased Agricultural Production. Seventh FAO Regional Conference for the Near East.
98. The role of statistics in agricultural planning. Eighth FAO Regional Conference-Latin America, Oct. 30.
99. Health, nutrition and demographic change- Social Science Issues for the 1980's MACS, Pune 4.

1965

100. (with Schulte, W., Ahmad, Z.M., and Jones, G.T.). Demographic factors affecting food supplies and agricultural development. U.N. World Population Conference, Belgrade, Aug. 30-Sept. 10.
101. *Feeding India's Growing Millions*. Asia Publishing House, Bombay.
102. (with Schulte, W.). Forecasts of nutritional requirements and the expected levels of demand for food. *Proceedings of World Population Conference*, Yugoslavia, Aug. 30-Sept. 10.
103. Food crisis in India and the role of fertilizers. Yearbook of farmer's forum, India.
104. Problems and requirements for education and training in agricultural statistics and biometrics. Paper presented at the First Regional Seminar on Agricultural Education for Asia and the Far East, Bangkok, Thailand. October 18-28, organized by the FAO of the United Nations in cooperation with UNESCO, ILO and the Royal Thai Government.
105. (with Schulte, W., Ahmad, Z.M. and Jones, G.T.). Population and food supplies-a graphic summary. FAO Monthly Bulletin of Agricultural Economics and Statistics, 14, Nos. 7/8, July/Aug. 1-9.

1966

106. The world's food supplies-Malthus bicentenary discussion on fertility, mortality and world food supplies, *J. Roy. Statist. Soc., A*, 129, 243.
107. (with Basu, D.) The food and nutrition situation in the Pacific. 11th Pacific Science Congress-Symposium on Population Problems in the Pacific, University of Tokyo, Aug. 23-26.
108. Food, farms and the under-privileged. *New Scientist*, 24, 433-436.
109. Control of human and cattle population-Food, fodder and nutrition problems in India. *Commerce*, Annual No. 1-10.
110. The worlds' food supplies. *Mercurio*, November.
111. Major development in sampling theory and practice, *Research Papers in Statistics*, Festschrift for J. Neyman, Editor, F.N. David, John Wiley and Sons, 367-409.
112. Self sufficiency in food production, Can India achieve? Dr. Rajendra Prasad Memorial Lecture delivered in the 19th Annual Conference of ISAS at CRRI, Cuttack.

1967

113. India's prospects of achieving nutritional self-sufficiency, *Science Reporter*, 4, 31-36.
114. Population and food supplies-present picture in South East Asia. *Proceedings of Nutrition Society of India*, 1-37.
115. The impact of population on food supplies. *IPPF*, April, Sandiego.
116. On the trend of obesity in the advanced countries. International Diabetes Congress, Stockholm.
117. (with Panse, V.G.) *Statistical Methods for Agricultural Workers*. Second enlarged edition, ICAR, New Delhi.

1968

118. Recent experiences in sample census of agriculture. *FAO's Monthly Bulletin of Agricultural Economics and Statistics*, 17, 1-7.
119. Food and people -The role of FAO. Victor Fund Report of the IPPF, January.
120. Planning for hunger. *Science Today*, Feb. 11-18.
121. The trend of obesity in the USA. *Proceedings of the Amer. Stat. Assoc.*, 235-238.
122. On contributions of Vinayaka Govind Panse. *Contributions in Statistics and Agricultural Sciences*. Felicitation Volume presented to Dr. V.G. Panse, Editor, G.R. Seth; Indian Society of Agricultural Statistics, New Delhi, 1-14.
123. On the trend of obesity in the advanced Countries. *FAO*.

1969

124. (and Sukhatme, B.V.). On some methodological aspects of sample surveys of agriculture in developing countries. *New Developments in Survey Sampling*. A Symposium on the Foundations of Survey Sampling held at the University of North Carolina, Chapel Hill, North Carolina, Edited by Norman L. Johnson and Harry Smith Jr., Wiley Interscience, 528-561.
125. India and the protein problem. *Indian Drugs and Pharmaceuticals Industry*, Jan.-Feb.
126. The protein gap. *Science Today*, India, March 9-14.
127. Obituary for Dr. V.G. Panse. *Review of International Statistical Institute*.

128. (with Basu, D. and Schulte, W.). Problem of population and resources with special reference to land use and food supply. *Proceedings of IUSSP Gen. Conf.*, 5.51-5.33.
129. The protein gap-its size and nature. *Proceedings of the Nutrition Society of India*, No. 8.
130. A statistical appraisal of the protein problem. FAO Statistics Advisory Committee of Experts, fourth Session, Rome, Italy, 15-23 Sept.
131. The incidence of protein deficiency in India. *Indian J. Med. Res.*, **57**, 2170-2185.
132. The dimensions of India's food problem in economic development. *Indian Economic Thought and Development*. Popular Prakashan, Bombay, 69-87.
133. Protein deficiency in urban and rural areas: its measurement, size and nature- Symposium of the Nutrition Society of Nutritional Problems of Urban Community.

1970

134. (with Erus, N. and Memori, J.M.P.). Need of an assured and controlled supply of water for improving agricultural production. *Review of International Statistical Institute*, **38**, 120-139.
135. Incidence of protein deficiency in relation to different diets in India. *Br. J. Nutr.*, **24**, 477-487.
136. Protein deficiency in urban and rural areas: its measurement, size and nature. *Proceedings of Nutr. Soc.*, **29**, 176-183.
137. Size and nature of the protein gap. *Nutrition Review*, **28**, 223-226.
138. Nature of the protein problem and its implications for policy measures. Indian National Food Congress, May.
139. (and Sukhatme, B.V.) *Sampling Theory of Surveys with Applications*. Second Revised Edition. Indian Society of Agricultural Statistics, New Delhi, India and Iowa State University Press, Ames, Iowa, USA.
140. Contributions statisticians can make in determining nature of the food problem. Biological experiments.
141. Appeal that nutritional protein deficiency be based on observation of total energy intake, FAO, 1970 or 1971.

1971

142. (with Basu, D.) The present pattern of production and availability of foods in Asia. First Asian Congress of Nutrition, Hyderabad, India. January 28-February 2.

143. The incidence of protein deficiency in relation to different diets in India. *British Journal of Nutrition*, **24(4)**, 1477-1480.

1972

144. India and the protein problem. *J. Ecology, Food and Nutrition*, **1**, 267-278.
145. Protein strategy and agricultural development. Presidential Address, Indian Society of Agricultural Economics, *Ind. Jour. Agri. Econ.*, **17**, 1-24.
146. India's population and resources with special reference to land use and food supply-strategy for the seventies. Discussion II, Section of Statistics, *Proceedings of the fifty-ninth Indian Science Congress*, 50-58.
147. An oblique view, Letter to Editor, *Times of India*.
148. Convocation Address-Twelfth Convocation of the Statistical Training Courses at Institute of Agricultural Research Statistics, New Delhi.
149. A statistical appraisal of the protein problem. *Statistical papers in honor of George W. Snedecor*. Edited by T.A. Bancroft, Iowa State University Press, Ames, Iowa, USA, 259-284.

1973

150. The calorie gap. *Indian J. Nutr. Dietetics*, **10**, 198-207.
151. Human calorie and protein needs and how far are they satisfied today. Symposium on Population and Land Use, Eugenics Society, London.
152. Population, food and nutrition with particular reference to countries in Asia and the Far East. Staff Seminar at Gokhale Institute of Politics and Economics, Poona, India.
153. The protein problem. Dr. B.C. Guha Memorial Lecture No. 10, Diamond Jubilee Session, Indian Science Congress Association, Chandigarh.
154. The protein problem. *Everyman's Science*, **8**, 14-28.
155. The challenge of hunger. *Proceedings of Nat. Acad. Sci. India*, **43(a)**, 1 & 2, 90-94.
156. Malnutrition in India. Dr. V.G. Panse Memorial Lecture, delivered at the 27th Annual Conference of ISAS at New Delhi.

1974

157. Nutrition as the determinant of productivity and economic development: Some basic considerations. *Proceedings of the Nutrition of India*.
158. Protein gap. Correspondence, *Nature*, 248, March 1, 8.
159. The protein problem. *Science and Human Progress-Essays in Humanities, Indology, Science, Mathematics and Personal Tributes to Late Prof. Damodar Dharmanand Kosambi, Prof. D.D. Kosambi Commemoration Volume, Popular Prakashan, 213-228.*
160. The protein problem: Its size and nature. *J. Roy. Statist. Soc.*, A137, 166-199.
161. Convocation Address-Mahatma Phule Krishi Vidyapeeth, Rahuri, Dec. 25.
162. Food and malnutrition. Marathi Vidhyan Parishad-Ninth Seminar, Talegaon Dabhade District, Pune.
163. On the new interpretation of recommended intake for protein, *Proceedings of Nutr. Soci.*, 33, 36A.
164. Proceedings "On the new interpretation of recommended intake for protein. *Proceedings of the Nutrition Society*, 33(2), 36A-37A.

1975

165. Some problems in the design and interpretation of experimental data in protein nutrition. *Statistical Design and Linear Models*, Edited by J.N. Srivastava, North Holland Publishing Com., 521-540.
166. Model for protein deficiency. Letter to the Editor, *Amer. J. Clin. Nutr.* 28, 568.
167. Recent trends in world food availability and their implications. *Proceedings of the Ninth International Congress of Nutrition, Mexico, 1972* (Karger, Basel), 3, 10-19.
168. Nutrition as the determinant of productivity and economic development: Some basic considerations. Gokhale Institute of Politics and Economics. 1-12.
169. Under nutrition: Suggestions for policy making. 80-83. *Recent Advances in Nutriology*, 1.
170. Human calorie and protein needs and how far they are satisfied today. Gokhale Institute of Politics and Economics, *Social Science Research and Problem of Poverty*. (Concept Publishing Corp.)

171. Relationship between malnutrition and poverty- Reprinted from *Social Science Research and Problem of Poverty* (concept Publishing Company).

1976

172. Stationary nature of variation in N-balance. *Proceedings of the Nutrition Society of London*, 35, part 1, A 40.
173. Models for protein deficiency: Rejoinder to Drs. Corey and Beaton. *Amer. J. Clin. Nutr.*, 29, 328.
174. Assessment of food and nutrition situation. *Nutrition in the Community*, Edited by D.S. McLaren (Chapter 5), John Wiley and Sons, 43-55.
175. Nitrogen in malnutrition. *Ambio*, 6, 137-140.
176. Malnutrition and poverty, Ninth Lal Bahadur Shastri Memorial Lecture, Indian Agricultural Research Institute, New Delhi.
177. Auto-regulatory homeostasis for nitrogen balance. *Biovigyanam*, 3, 97-106.
178. Measurement of poverty based on nutritional needs. *Bulletin of International Statistical Institute*, 47(4), 553-556.
179. Economics of nutrition-Incidence of undernutrition. *Indian Journal of Agricultural Economics*, 32, 1-7.

1978

180. Estimates of malnutrition. *Proceedings of the Seminar on Science and its impact on Society, Indian Experience*, organized by the Indian National Science Academy, New Delhi, April, 22-23, 37-40.
181. Convocation Address. Twelfth Convocation, University of Agricultural Sciences, Bangalore, Feb. 5.
182. Assessment of adequacy of diets at different income levels. *Economic and Political Weekly*, 13, 1373-1384.
183. (and Margen, S.). Models for protein deficiency. *Amer. J. Clin. Nutr.*, 31, 1237-1256.
184. Assessment of adequacy of diets at different income levels. *Proceedings of Nutri. Society, India*. IV, 23.

1979

185. Nutrition policy and the Sixth Plan. *Science Today*, April, 8-10.
186. Fighting poverty and malnutrition-Options and alternatives. *Lokrajya*, Maharashtra Day Number, 30-37.

187. Biographical sketch of Dr. V.G. Panse, *Biographical Memoirs*, INSA, 60-69.
188. Role of community kitchen in curbing food prices. *Times of India*.
189. Nutrition in India in current five years plans. Thirteenth Convocation Address, Indian Statistical Institute, Calcutta, March 30.

1980

190. Nutrition policy; need for re-orientation. *Eco. & Pol. Week.*, 15(26), 1101-1105.

1981

191. Relationship between malnutrition and poverty. First National Conference on Social Sciences: Social Science Research and the Problem of Poverty, Indian Association of Social Science Institutions, New Delhi.
192. Measuring the incidence of undernutrition-A comment. *Eco. & Pol. Week.*, 16(23), 1034-1036.
193. On measurement of poverty. *Eco. & Pol. Week.*, 16(32), 1319-1324.

1982

194. An experiment in community kitchen: Its philosophy and implications for the lives of the poor. *Society and Science*, 5, 54-68.
195. The process view of nutrition and its implication for frontiers of research. *Proceedings of the Indian Statistical Institute's Golden Jubilee International Conference on Frontiers of Research in Agriculture*, Calcutta, Edited by S.K. Roy, 35-74.
196. Measurement of undernutrition. *Eco. & Pol. Week.*, 17(50), 2000-2016.
197. *Newer concepts in Nutrition and Their Implications for Policy*, Maharashtra Association for the Cultivation of Science, Pune.
198. Presidential Address. Thirty-fifth Annual Conference of the Indian Society of Agricultural Statistics, New Delhi, *J. Ind. Soc. Agril. Statist.*, 34, 5-9.
199. (and Margen, S.), Autoregulatory homeostatic nature of energy balance. *Am. J. Clin. Nutr.*, 35, 355-365.
200. (and Margen, S.) Relationship between undernutrition and poverty. *Indian Economic Review*, 16, 13-39.
201. (and Narain, P.). The genetic significance of intraindividual variation in energy requirements. *W.G. Cochran's Impact on Statistics*, Edited by P.S.R.S. Rao and J. Sedransk, John Wiley and Sons, New York.

202. (and Narain, P.) A possible genetic interpretation of the autoregulatory mechanism in models for protein deficiency. *Proceedings of the Indian Natl. Sci. Acad.*, B, 48(6), 748-754.
203. After measurement of undernutrition, Book Reviews, *Mikhir Radshit, The Labor Surplus Economy, A New-Keynesian Approach*, MacMillan, 292.

1983

204. Qualitative dimensions of the population growth. Presidential Address, Thirty Sixth Annual Conference of the Indian Society of Agricultural Statistics, Mahatma Phule Krishi Vidya Peeth, Rahuri, *J. Ind. Soc. Agril. Stat.*, 35, 1-11.
205. The nutrition issue. *Proceedings of the National Workshop on Poverty and Malnutrition* held at the Tamilnadu Agricultural University, Coimbatore, February 7-10, jointly sponsored by UNICEF, ICAR and TNAU.
206. The nutrition number's game. *The Economic Scene*, May 16, 29-30.
207. Where is the poverty line. *The Economic Scene*, August 1, 58-59.
208. (and Narain, P.) Intra-individual variation in energy requirement and its implication. *Indian J. Med. Res.*, 8, 857-865.
209. The process view of nutrition and its significance for adaptive regulation. Paper presented at the XI International Congress of Anthropological and Ethnological Sciences, Augus. Vancouver, Canada.
210. An approach to rural development : Theory and application. Improving rural hygiene and sanitation: Some thoughts. INSA lecture for Rural Development founded out of the Endowment of Prof. B.D. Tilak Scientific Research and Education Trust, Lady Irwin College, October 5.
211. An approach to rural development: Theory and application, *Proceedings of Indian Nat. Sci. Acad.*, A50, 11-32.
212. After the nutrition number game, protein and energy requirements. A reply to Rand and Scrimshane. *Eco. & Pol. Week*, XX, No. 44.

1986

213. Quantitative dimensions of the nutrition problem. Global aspects of food production (edited by Swaminathan, M.S.; Sinha, S.K.), London, U.K.

214. The role of statisticians in moulding human behaviour. *Proceedings of the VIII Annual Conference of ISPS*. Shivaji University, Kolhapur, 1-12.
1987
215. (with Godbole, S.H.). *Improving Living Conditions in Villages*. Report submitted to Government of India Monitoring Committee. Pune: Maharashtra Association for the Tycooly Publications, Ltd.
1988
216. Significance of yoga for education, *Man and Development*, 16-34.
1989
217. Nutritional adaptation and variability. *European Journal of Clinical Nutrition*, 43, 75-87.
218. (with Agte, V., Chiplokar, S. and Baralay, S.). Physiological response of human adults at different levels of energy intake. *Nutrition Reports International*, 40, 1019-1028.
219. Nutritional adaptation and variability. *European Journal of Clinical Nutrition*, 43, 75-87.
220. The meaning and significance of adhyatma for education. *Ancient Science of Life*, VIII, Nos. 3 & 4, 267-278.
221. Nehru Memorial Lecture, The Nutrition Issue, Food, Physical Growth and Work Output, Nov. 1989.
222. Welfare policies with the poor as targets. *Recent Advances in Nutriology*, 1, Under Nutrition: Suggestions for policy making.
223. Keynote Address to Symposium. *Sample Surveys in Indian Agriculture- Problems and Prospects*.
224. (and Mrs. Usha Khire) Abstract. On the interaction between genotype and local environment as the determinant of intelligence.
225. India's prospects of achieving self sufficiency. *Science Reporter*, 4, No. 1, 2, 31-36.
226. Educational policy, faculty of educational studies. SUNY, Buffalo, NY. Perspective for Reforming Education.
1990
227. (with Edmundson, W.C.). Food and work, poverty and hunger. *Economic Development and Cultural Change*, 32(2), 263-280.
228. (with Edmundson, W.C.). Food, physical growth and work output. *Current Science*, 59(7), 357-362.

1992

229. (with Chiplonkar, S.A. and Agte, V.V.). Performance of normal-weight and underweight men with marginal changes in energy intake, *Nutrition*, 8(5), 326-332.
230. Crisis of basic values and quality of mass education. *Bhartiya Samajik Chinta*, XV, No. 1-4, 62-65.
231. (with Gokhale, M.K., Aget, V.V. Kulkarni, V.V.). Assessment of impact of integrated child development services through a follow up study in Indian urban slum area, *Ecology of Food and Nutrition*, 27, 67-75.
232. (with Wade C. Edmundson and Stella A. Edmundson.) *Diet, Disease and Development*, MacMillan India Limited, New Delhi.

1993

233. Why are then our children so small? Special lecture delivered at Utkal University, Bhubaneshwar, 46, Annual Conference, Indian Society of Agricultural Statistics.
234. Diet and disease. "Dr Rajendra Prasad Memorial Lecture" delivered at the 47th Annual Conference of ISAS of Tirupati.

1994

235. (with Gokhale, M.K. and Chiplonkar, S.A.). Effect of environment factors on growth and morbidity of urban montessori children receiving supplementation. *Ecology of Food and Nutrition*, 31, 269-276.

1995

236. (with Edmundson, W.C. and Margen S.). A new dimension to the poverty problems. *Education*.

1996

237. People of India, XIX Indian Social Science Congress.
238. (with Edmundson and Margen). Project to Provide Effective Services of Community Health Workers. Moulding Human Behavioural Trials. Role of Mind-Brain Interactions. School of Health Sciences, Univ. of Poona.