

## PROFILE OF PROF. RAMESH CHAND

**Current Status:** Member of NITI Aayog in the rank and status of Union Minister of State.

**Education:** Ph. D. Agricultural Economics from Indian Agricultural Research Institute (IARI), New Delhi. M.Sc. Agricultural Finance, B.Sc Agriculture.

### **Work History:**

- Director, ICAR National Institute of Agricultural Economics and Policy Research, New Delhi, 2010 to 2015.
- National Professor, National Institute of Agricultural Economics and Policy Research, New Delhi, 2016 to 2010.
- Acting Director, National Institute of Agricultural Economics and Policy Research, New Delhi, 2005 to 2006.
- Professor and Head, Agricultural Economics Unit, Institute of Economic Growth, Delhi University Enclave, Delhi, 2002-2004.
- Principal Scientist, National Institute of Agricultural Economics and Policy Research, New Delhi, 1996-2002
- Professor, Department of Economics, Punjab agricultural University, Ludhiana, 1995-1996.
- Visiting Fellow (Reader), Institute of Economic Growth, Delhi University Enclave, Delhi, 1993-1995
- Associate Professor- Agri Economics, YS Parmar University of Horticulture and Forestry, Solan, Himachal Pradesh, 1988-1993.
- Agricultural Economist, National Bank for Agriculture and Rural development, Mumbai, 1987-1988.
- Assistant Economist, Punjab Agricultural University, Ludhiana, 1984-1987.

### **International Experience**

- ❖ Visiting Professor, University of Wollongong, Wollongong, NSW Australia, April to August 2000.
- ❖ Visiting Research Fellow, Institute of Developing Economies, JETRO, Chiba Shi, Japan, May to September, 2003.
- ❖ Senior Policy Subscriber (consultant) to FAO RAP, Bangkok, for Three Months, During June 2007 to May 2008.
- ❖ Undertaken 12 research projects as Consultant for FAO, ESCAP/United Nations, UNDP, UNCTAD, Commonwealth, World Bank, OECD.

### **Special Assignments**

- ✚ **Chaired** various Committees/Working Groups on Agriculture, Food Policy, Food Security, Farm Income, Market and Prices and WTO constituted by various Ministries and Planning Commission, GoI and various States.
- ✚ **Member**, Steering Committee on Agriculture for 11<sup>th</sup> Five Year Plan, Planning Commission, Government of India. **Prepared model** for 4% growth in Agriculture sector during XI Plan.

- ✚ **Represented** in 15 high level committees and experts groups constituted by Ministry of Agriculture, M/O Food, Public Distribution, and Consumer Affairs, M/O Finance, Government of India, as Member or Chairman.
- ✚ Prepared **white paper** on Medium Term Priority Framework for **FAO** in India, 2009.
- ✚ **Chief Editor, Agricultural Economics Research Review, New Delhi, 2014 - .**
- ✚ **Nominated** as member in India's delegation to G20 for Agriculture Group, 2011 and 2012.
- ✚ **Nodal officer** nominated by Government of India for Agriculture and Rural Development matters related to SAARC for six years.
- ✚ Served as **GB Member** of SAARC Agriculture Centre, Dhaka.

### Significant Awards/Recognitions

- **RAFI AHMED KIDWAI AWARD 2011** for outstanding contribution in the field of Social Sciences, by the Indian Council of Agricultural Research, New Delhi,
- **JAWAHARLAL NEHRU AWARD-1985** by the Indian Council of Agricultural Research, New Delhi, in recognition of the outstanding research contributions of my Ph.D. thesis.
- **Fellow**, National Academy of Agricultural Sciences, New Delhi.
- **Fellow**, Indian Society of Agricultural Economics
- **Life Member**, Institute of Social and Economic Change, Bangalore.

### Publications: Selected Papers/Books

1. Estimates and Analysis of Farm Income in India, 1983-84 to 2011-12, *Economic and Political Weekly*, Vol L No. 22, 139 to 145. May 30, 2015.
2. Changes in Rural Labour market and Their Implications for Agriculture, *Economic and Political Weekly*, Vol XLIX No. 10, 47-54. March 8, 2014.
3. International Trade, Regional Integration and Food Security in South Asia, in *Regional Integration in South Asia, Trends, Challenges and Prospects*, (ed) Mohammad A Razzaque and Yurendra Basnett, The Commonwealth, Ch. 12, 239 to 264. London, UK. 2014.
4. Development Policies and Agricultural Markets, *Economic and Political Weekly, Review of Rural Affairs*, V.47 (52): 53-63, 2012.
5. Food Security and Undernourishment in India: Assessment of Alternative Norms and the Income Effect, Keynote paper, *Indian Jn of Agri Economics*, 68(1): 39-53, 2013.
6. Temporal and Spatial Variations in Agricultural Growth and Its Determinants, *Economic and Political Weekly, Review of Rural affairs*, V.47 (26 & 27): 55-63, 2012.
7. Farm Size and Productivity: Understanding the Strengths of Smallholders and Improving their Livelihoods, *Economic and Political Weekly, Review of Agriculture*, V.46 (26 & 27): 5-11, 2011.
8. Agricultural Trade Liberalization Policies in India: Balancing Producer and Consumer Interests, in *Twenty Years of India's Liberalization, Experiences and Lessons*, UNCTAD Geneva and WTO Centre for WTO Studies, New Delhi, 37-57, 2012.
9. Total factor Productivity and Returns to Investment on Agriculture Research,

*Agricultural Economics Research Review*, Vol. 25 (2): 181-194, 2012.

10. Achieving 4 Per Cent Growth Rate in Agriculture During the Eleventh Five Year Plan, in *India's Economy and Growth, Essays in Honour of VKRV Rao*, Sage Publications, New Delhi. pp 69-86, 2010.
11. The Seeds Bill, 2011: Some Reflections, *Economic and Political Weekly*, Vol. 46(51): 22-25, 2011.
12. Manipulating Technology for Surplus Extraction: The Case of Cotton in India, *Economic and Political Weekly*, Vol. 46(43): 23-26, 2011.
13. Effect of Global Recession on Indian Agriculture, *Indian Journal of Agricultural Economics*, 65 (3): 487-496, 2010.
14. Understanding the Next Agricultural Transition in the Heartland of Green Revolution in India, *Agriculture Transition in Asia- Trajectory and Challenges*, Asian Institute of Technology, Bangkok, pp 65-99, 2010.
15. SAARC Agricultural Vision 2020, *Agricultural Economics Research Review*, Vol 23, No.2, July -December, pp. 197-208, 2010.
16. Global Food and Financial Crisis: Experience and Perspective From India, in *Agricultural Reforms and Trade Liberalization in China and Selected Asian Countries*, Policy assistance series 6, RAP Publication 2009/15, FAO RAP, Bangkok, 2009.
17. Challenges to Ensuring Food Security through Wheat, *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources*, 2009, 4, No. 065, 13 pp. 2009
18. Fertiliser Use, Nutrient Imbalances and Subsidies: Trends and Implications, *Margin: The Journal of Applied Economic Research*, Sage Pub, Vol. 3, No. 4, 409-432, 2009.
19. Instability in Indian agriculture During Different Phases of Technology and Policy, *Indian Jn of Agril. Economics*, 64(2): 187-207, 2009.
20. Farm Income in India : The Context of Development and Institution in Gopal K. Kadekodi and Brinda Viswanathan (ed) *Agricultural Development, Rural Institutions and Economic Policy, Essays for A. Vaidyanathan*, Oxford University Press, New Delhi, 2009.
21. Capital Formation in Indian Agriculture: National and State level Analysis, in D. Narsimha Reddy and Srijit Mishra (ed.) *Agrarian Crisis in India*, Oxford University Press, New Delhi, 2009.
22. Agricultural Development Policies and Growth of India Agriculture, in Agarwal Manmohan (ed.). *India's Economic Future: education, Technology, Energy and Environment*, Social Science Press, New Delhi, 2009.
23. Understanding the Nature and Causes of Food Inflation, *Economic and Political Weekly*, Vol. 45(9): 10-13, 2010.

24. Dealing with Effects of Monsoon Failures, *Economic and Political Weekly*, Vol. 44(41): 29-34, 2009.
25. Wheat Market: The Distortions Caused by Government Intervention, *Economic and Political Weekly*, V.44(12): 41 to 46, 2009.
26. The Global food Crisis: Causes, Severity and Outlook, *Economic and Political Weekly*, V.43 (26-27):115 to 122, 2008.
27. Progress and Potential of Horticulture in India, *Indian Jn of Agril. Economics*, 63(3): 299-309, 2008.
28. India's Agricultural Challenges and their Implications for Growth of its Economy in Masahisa Fujita (Ed.) *Economic Integration in Asia and India*, Palgrave MacMillan, New York. Pp. 145-171, 2008.
29. The State of Indian agriculture and Prospects for Future, in Kanchan Chopra and CH Hanumantha Rao (ed) *Growth, Equity, Environment and population: Economic and Sociological Perspectives*, Sage, New Delhi. Ch 8, pp 133-148, 2008.
30. Capital Formation in Indian Agriculture: National and State level Analysis, in D. Narsimha Reddy and Srijit Mishra (ed.) *Agrarian Crisis in India*, Oxford University Press, New Delhi, 2009.
31. Growth Crisis in Agriculture Severity and Options at National and State Levels, *Economic and Political Weekly*, V.42(26):2528 to 2533, 2007.
32. Chand Ramesh (2008). The State of Indian Agriculture and Prospects for the Future, in Kanchan Chopra and C.H. Hanumantha Rao (Ed) *Growth Equity, Environment and Population*, Sage Publications India, New Delhi, 2008.
33. International Trade, Food Security and the Response to the WTO in South Asian Countries, in Basudev Guha Khasnobis and Shabd S. Acharya and Benjamin Davis (edited) *Food Security; Indicators, Measurement and the Impact of Trade Openness*, Oxford University Press, UK, 2008.
34. Trade Reforms and Food Security: Country Case Study India, in Harmon Thomas (ed.). *Food and Agriculture Organization of United Nations*, Rome, pp.329-364, 2006.
35. Wheat Import and Price Outlook for 2007-08: Separating the Grain from the Chaff, *Economic and Political Weekly*, V.42(30): 3196–3199, 2007.
36. Wheat Supply, Price Prospects and Food Security, *Economic and Political Weekly*, V.42(19): 1659-1663, 2007.
37. Agricultural Markets in India: Implications for Competition, Pradeep S Mehta (Ed.), *Towards A Functional Competition Policy for India*, Academic Foundation, New Delhi and CUTS International, Jaipur, 2006.
38. WTO Agriculture Negotiations and South Asian Countries: Concerns, Viewpoints and Consensus, *South Asia Economic Journal*, Sage Publications Pvt. Ltd., New Delhi,

- 6(1): 1-22, 2005.
39. Whither India's Food Policy: From Food Security to Food Deprivation, *Economic and Political Weekly*, V.40 (12): 1055– 1061, March 12, 2005.
  40. Determinants of Capital Formation and Agriculture Growth: Some New Explorations, *Economic and Political Weekly*, V.39(52):5611 to 5616, 2004.
  41. India's Agro Export Performance and Competitiveness in Changed International Scenario in C H Hanumantha Rao, BB Bhattacharya and N S Sidharathan (ed) *Indian Economy and Society in the Era of Globalisation and Liberalisation, Essays in Honour of A M Khusro*, Academic Foundation, New Delhi, New Delhi, pp. 199-222, 2004.
  42. Indian Agriculture and WTO: Looking Beyond Doha, Keynote Paper, IX Annual Conference Proceedings, *Agricultural Economics Research Review*, 17-42, 2002.
  43. Trade Liberalisation and Net Social Welfare: A Study of Selected Crops, *Economic and Political Weekly*, V.34(52): A153 – A159, Dec 25, 1999.
  44. Emerging Crisis in Punjab Agriculture: Severity and Options for Future, *Economic and Political Weekly*, V. 34 (13):A-2 to A-10, March 27, 1999.
  45. Removal of Import Restrictions and India's Agriculture: The Challenge and Strategy, *Economic and Political Weekly*, V. 33 (15):850-854, April 11, 1998.
  46. Emerging Trends and Issues in Public and Private Investments in Indian Agriculture, *Indian Journal of Ag. Econ.*, V.56 (2) 161-184, April – June, 2001.
  47. Ecological and Economic Impact of Horticultural Development in the Himalayas: Evidence from Himachal Pradesh, *Economic and Political Weekly*, V.31 (26): A-93 - A-99, June 29, 1996.
  48. Role of Water Rights in Farmer- Managed Hill Irrigation Systems, *Economic and Political Weekly*, V.29 (13): A-26 - A30, March 26, 1994.
  49. Agricultural Diversification and Farm and Non-farm Employment in Himachal Pradesh, *Indian Journal of Labour Economics*, V.39 (4): 841-852, October - December 1996.
  50. Wheat Export: Little Gain, *Economic and Political Weekly*, V. 36 (25):2226 to 2228, June 23, 2001.
  51. Subsidies and Support in Agriculture: Is WTO Providing Level Playing Field?, *Economic and Political Weekly*, V. 36 (32):3014 to 3016, August 11, 2001.
  52. Trade Liberalisation, Agricultural Prices and Social Welfare, in S.S Acharya and D.P. Chaudhri (ed.) *Indian Agricultural Policy at the Crossroads*, Rawat Publications, Jaipur, 2001, pp.17-126.
  53. Private and Public Capital Formation in Indian agriculture: Comments on Complementarity Hypothesis and Others, *Economic and Political Weekly*, V.30(24):

A-64 - A-79, June 24, 1995.

54. Pesticide Use in Indian Agriculture in Relation to Growth in Area and Production and Technological Change, *Indian Journal of Ag. Econ.*, V.52 (3): 488-498, July-Sept. 1995.
55. Sustainability of Rice-Wheat Crop System in Indo-Gangetic Region, *Economic and Political Weekly*, V. 32 (13): A-26 - A-30, March 29 - April 4, 1997.
56. Diversification of Punjab Agriculture: Need and Implications for Food Security, *Agricultural Economics Research Review*, V.9(2): 156-163, 1996.
57. A Note on the Use of Cobb-Douglas Profit Function, *American Journal of Ag. Econ.*, V.68(3): 162-64, Feb., 1986.
58. Livestock in Himachal Pradesh: Factors Affecting Growth, Composition and Intensity, *Indian Journal of Ag. Econ.*, V.50 (3): 299-310, July-Sept., 1995.
59. Supply Response Functions for Major Crops of Punjab in Green Revolution Period - A Profit Function Approach, *Indian Journal of Econ.*, V.67(264): 91-110, July, 1986.
60. Estimating Effects of Input - Output Prices on Input Demand in Punjab Agriculture-A Profit Function Approach, *Artha Vijnana*, V.28(2):181-192, June 1986.
61. Impact of Agricultural Modernisation on Labour Use in Punjab with Special Reference to Women Labour, *Indian Journal of Ag. Econ.*, V.40 (3): 252-259, July-Sept., 1985.
62. Stabilization of Prices, Supply and Income for Paddy and Wheat in Punjab: A Unified Approach, *Indian Journal of Ag. Econ.*, V.40 (3): 382-389, July-Sept., 1985.
63. An Economic Analysis of Various Sources of Irrigation in Punjab, *Indian Journal of Ag. Econ.*, V.39(3):506-511, July-Sept., 1984.
64. Economics of Perennial Crops: Some Methodological Issues, *Indian Jr. Ag. Econ.*, V. 49(2): 246-249, April-June, 1994.
65. Agricultural Credit in India: Distributional Disparities and Overdues, *Agri. Econ. Research Review*, V.5(2): 176-92, July 1992.
66. Chand Ramesh and Anju Sharma (1994). State-wise Trends in Rural Income, Output Growth and Input Use in Indian Agriculture, *Agri. Econ. Research Review*, V.7(2), 11-24, July 1994.
67. Growth and Instability of Indian Exports and Imports of Agricultural Commodities, *Ind. Jr. Ag. Econ.*, V.45(2): 159-165, April-June, 1991.
68. An Alternative Method to Calculate Internal Rate of Return, *Indian Jr. Ag. Econ.*, V.47(1): 97-104, Jan-March, 1992.
69. Diversification through High Value Crops in Western Himalayan Region: Evidence from Himachal Pradesh, *Indian Journal of Ag. Econ.*, V.51 (4): 652-663, Oct -Dec.,

1996.

70. Basics of Marginal Analysis, in John Kerr *et. al.* (ed.) *Natural Resource Economics: Theory and Applications in India*, Oxford and IBH Publishing Co., New Delhi, 1997, pp. 652-663.
71. Optimising Time Distribution of Water Supply and Fertilizer Nitrogen Rates in Relation to Targeted Wheat Yield, *Experimental Agriculture*, Vol. 36, 2000, pp. 115-125.
72. Magnitude and Economics of Fertilizer Nitrogen Response of Wheat in Relation to Amount and Timing of Water Inputs, *Experimental Agriculture*, Vol. 38, 2002, pp. 65-78.
73. Long Term Changes in Coarse Cereal Consumption in India: Causes and Implications, *Indian Journal of Agricultural Economics*, 57(3):316-325.
74. Technological and Policy Options to Deal with Imbalances in Indian Agriculture, *Current Science*, Vol. 84 (3), 10 February, 2003, pp. 388-98.
75. Indian Agriculture and WTO: Looking Beyond Doha, Keynote Paper, IX Annual Conference Proceedings, *Agricultural Economics Research Review*, 17-42, 2002.
76. WTO and Oilseeds Sector, *Economic and Political Weekly*, V. 39 (6):533-537, February 7, 2004.
77. Liberalization of Grain Trade and Food Security Issues in Asia, *The Asian Economic Review*, Vol. 45 (3): 133-147. April 2003.
78. *Free Trade Area in Asia*, Academic Foundation, New Delhi, 2006.
79. *Trade Liberalisation, WTO and Indian Agriculture: Experience and Prospects*, Mittal Publications, New Delhi, 2002.
80. *India's Agricultural Challenges: Reflections on Policy, Technology and other Issues*, (Edited) Centre for Trade and Development, New Delhi, xiv+294, 2005.
81. *Agricultural Development, Price Policy and Marketed Surplus in India: A Study of Green Revolution Region*, Concept Publishing Company, New Delhi, 1991.
82. *Agricultural Diversification and Development of Mountain Region*, M.D. Publications, New Delhi, 1997, pp.xi+416.
83. *Agricultural Diversification in India: Potential and Prospects in Developed Region*, Mittal Publications, New Delhi, 1999, pp.xv+195.