

MARIE T. RUEL

International Food Policy Research Institute
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Washington, DC 20006 – USA

CURRENT POSITION

Director, Poverty, Health, and Nutrition Division, International Food Policy Research Institute, Washington, DC

Responsibilities include leadership and management of up to 100 staff members (including DC headquarters and country offices around the world); direct mentoring of senior research staff; fund-raising for - and supervising – program and policy research in the areas of social protection, poverty, food security, nutrition, gender, HIV/AIDs, and agriculture and health linkages; managing a budget of ~\$40 million per year; serving as member of IFPRI’s Senior Management Team; leading the flagship on integrated programs and policies in the IFPRI-led CGIAR research program on Agriculture for Nutrition and Health; and founding and chairing IFPRI’s Ethics Institutional Review Board (2004-2010).

EDUCATION

1990	Ph.D. International Nutrition (minors: agricultural economics; epidemiology) Cornell University, Ithaca, NY
1982	M.S. Masters in Health Sciences, Nutrition Laval University, Québec, Canada
1982	C.E.C. Certificat en Enseignement collégial (Teaching Certificate) Laval University, Québec, Canada
1976	B.S. Bachelor in Health Sciences, Dietetics Laval University, Québec, Canada.

PAST POSITIONS

2001 – 2004	Senior Research Fellow International Food Policy Research Institute, Washington, DC <ul style="list-style-type: none">• Leader of a Global Regional Project on Diet Quality and Diet Changes of the Poor (2003-2004)
1996 – 2001	Research Fellow International Food Policy Research Institute, Washington, DC <ul style="list-style-type: none">• Leader of Multi-country Research Program (MP) on Challenges to Urban Food

Security and Nutrition (1996-2003).

- Co-leader of a multi-country research program on micronutrients, with special emphasis on food based approaches and policy research (1996-2003).

1993 – 1996	Director, Health and Nutrition Division Institute of Nutrition of Central America and Panama/Pan American Health Organization (INCAP/PAHO)
1990 – 1993	Epidemiologist/nutritionist Institute of Nutrition of Central America and Panama/Pan American Health Organization (INCAP/PAHO)
1985 – 1987	Field Director, Growth monitoring and Nutrition Education Project in Lesotho, Southern Africa Joint Programme Cornell Nutritional Surveillance Program and UNICEF-Eastern and Southern Africa
1979 – 1980	Field Director, Comparison of two types of powdered milk on the immune response of malnourished Haitian children, Haiti Laval University, Department of Nutrition

PROFESSIONAL ACTIVITIES

1996 – 1997	Elected member of the Institute of Medicine's Committee on International Nutrition: Served on the Vitamin C in Food Aid Commodities committee (Institute of Medicine of the National Academy of Sciences)
1996 – 1998	Member of the Executive Committee of the Society for International Nutrition Research
1998 – present	Member of the International Union of Nutritional Sciences (IUNS)-Committee II/3 (Committee on Urbanization and Nutrition)
2000 – 2013	Elected member of the International Zinc for Nutrition Consultative Group (IZiNCG)
2008 – present	Elected member of Helen Keller International (HKI)'s Program Advisory Committee (PAC)
2009 – present	Member of the High Level Technical Group (GTAN) of the Study on the "Nutritional Dimensions of Social Protection Networks in Central America and the Dominican Republic" convened by the World Food Program (WFP), Regional office for Latin America and the Caribbean
2010 – 2012	Elected member of a planning committee for two workshops organized by the National Academies' Roundtable on Science and Technology focused on global food security.

2010 – present	Elected member of the Independent Advisory Panel for the Access to Nutrition Index (ATNI) established by the Global Alliance for Nutrition (GAIN)
2010 – 2012	Elected member of High Level Nutrition Advisory Group for the Millennium Villages Project
2011 – present	Leverhulme Center for Integrated Agriculture and Health (LCIRAH) Advisory Group
2011 – 2014	External Advisory Group of a European Commission’s Project: SMILING (Sustainable Micronutrient Interventions to Control Deficiencies and Improve Nutritional Status and General Health in Asia)
2011 – 2014	Independent Advisory Panel for GAIN-ATNI (Access to Nutrition Index)
2012 – present	Member of Micronutrient Forum Steering Committee
2012 – 2013	Editorial Book Member DSM book on Nutrition Security
2014 – 2015	Founding Member of International Society for Implementation Science in Nutrition
2015 – present	Elected Councilor Research Agenda Support, Society for Implementation Sciences in Nutrition
2015 – present	Member of Scientific Advisory Group for the Adolescent Nutrition Initiative of the Sackler Institute
2015 – present	Member of Children's Investment Fund Foundation (CIFF) Advisory Group
2015 – present	IMMANA Steering Group

PEER REVIEWER FOR:

Journals: Appetite, American Journal of Clinical Nutrition, European Journal of Clinical Nutrition, Food Policy, Food and Nutrition Bulletin, Health Policy and Planning, International Journal of Public Health, Journal of Development Studies, Journal of Nutrition, Lancet, Pediatrics, PLoS Medicine, Public Health Nutrition, World Development, Salud Pública de Mexico, World Health Organization (WHO) Bulletin.

Research proposals, books, reports abstracts for international conferences: proposals for AID Child Survival Program (1996-98); book for UNU-WIDER; book for Instituto Nacional de Salud Pública, Mexico; report for Mainstreaming Nutrition in Maternal and Child Health project for ICDDR,B; report for SUSTAIN; abstracts for Global Health Council, Experimental Biology, International Union of Nutritional Sciences, 3ie (International Initiative on Impact Evaluation).

TEACHING EXPERIENCE

Professor, Epidemiology, Masters in Nutrition, University of San Carlos/INCAP, Guatemala

- Elaboration of the curriculum for 2 Epidemiology courses: Introductory and Advanced
- Teaching the Advanced Nutritional Epidemiology course
- Advisor to 3 graduate students (1994-1995)

Assistant Visiting Professor, School of Public Health, Emory University (1995)

Teaching Assistant, Cornell University; Graduate courses:

- Advanced Epidemiology (1987 and 1989)
- Methods for Conducting Meta-Analyses (1989)

Teaching Assistant, Laval University;

- Diet Therapy (1976)
- Quantity Food Production, Administration of Food Production Systems (1979-1980)

CONSULTANCIES

- UNICEF-NYHQ Evaluation Office (January 1993)
Supervisor: Neil Andersson
Country: Mozambique
 - Assistance in Sentinel Community Surveillance process
 - Analysis of data, preparation of report
 - Training of nationals in data analysis, interpretation and diffusion of information.
- UNICEF-NYHQ Evaluation Office (November 1992)
Supervisors: Neil Andersson/Roger Pearson
Country: Mexico
 - Participation in International Meeting on the Sentinel Sites Surveillance Systems
- University of Moncton (Cooperation program in nutrition) – CIDA – Nicaragua:
Supervisor: Dr. Micheline Beaudry.
 - Participated in Nutritional Surveillance Workshop (1982)
 - Carried out a review of iron deficiency anemia in infants: diagnosis and possibilities for intervention (1982)
 - Gave seminars on Vitamin A deficiency in Managua, Nicaragua (1983)
 - Organized and led a Workshop on “Program Planning for the Control of Vitamin A Deficiency in Nicaragua”
 - Analyzed the nutritional programs of the Ministries of Education and of Agriculture and formulated recommendations for the integration of the two programs
- World Health Organization (WHO)
 - Department of Child and Adolescent Health and Development: development of indicators of child feeding practices (2002)
 - Department of Nutrition for Health and Development: participated in Expert Consultation on Fortification and in preparing a Technical Document to Develop Guidelines on Food Fortification (1982).

PUBLICATIONS

Peer-Reviewed Journal Articles, IFPRI Research Reports/Monographs and Briefs, Book Chapters

1. Dillon, J. C., Heurteloup-Villesaint, **M. T. Ruel**, and L. Lemieux. 1983. Effet du préchauffage du lait écrémé avant évaporation sur l'antigénécité des protéines bovines chez le jeune enfant. *Journal de l'Institut Canadien et Technologie Alimentaire*.
2. **Ruel, M. T.**, and J. C. Dillon. 1983. Aspects cliniques et biochimiques de l'aribo flavinose en Haiti. *Annals of Nutrition and Metabolism* 27 (4): 306–312.
3. **Ruel, M. T.**, D. Pelletier, J.-P. Habicht, J. B. Mason, C. S. Chobokoane, and A. P. Maruping. 1990. A comparison of mothers' understanding of two growth charts in Lesotho. *Bulletin of the World Health Organization* 68 (4): 483–491.
4. **Ruel, M. T.**, D. Pelletier, J.-P. Habicht, J. B. Mason, C. S. Chobokoane, and A. P. Maruping. 1991. Comparison of two growth charts in Lesotho: Health workers' ability to understand and use them for action. *American Journal of Public Health* 81 (5): 610–616.
5. **Ruel, M. T.**, and J.-P. Habicht. 1992. Growth charts only marginally improved maternal learning from nutrition education and growth monitoring in Lesotho. *Journal of Nutrition* 122 (9): 1772–1780.
6. **Ruel, M. T.**, and J.-P. Habicht. 1992. The correct use of growth charts. Letter to the Editor. *American Journal of Public Health* 82 (6): 898–899.
7. **Ruel, M. T.**, J.-P. Habicht, and C. Olson. 1992. Impact of a clinic-based growth monitoring programme on maternal nutrition knowledge in Lesotho. *International Journal of Epidemiology* 21 (1): 59–65.
8. **Ruel, M. T.**, J.-P. Habicht, P. Pinstrip-Andersen, and Y. Gröhn. 1992. The mediating effect of maternal nutrition knowledge on the association between maternal schooling and child's nutritional status in Lesotho. *American Journal of Epidemiology* 135 (8): 904–914.
9. Rivera, J., R. Martorell, **M. T. Ruel**, J.-P. Habicht, and J. Haas. 1992. Efectos de la suplementación alimentaria temprana en el tamaño y la composición corporal del adolescente. *Archivos Latinoamericanos de Nutrición* 42: 34S–36S.
10. **Ruel, M. T.**, J. Rivera, H. Castro, J.-P. Habicht, and R. Martorell. 1992. Secular trends in adult and child anthropometry in four villages of Guatemala. *Food and Nutrition Bulletin* 14 (3): 246–253.
11. Martorell, R., J. A. Rivera, D. G. Schroeder, U. Ramakrishnan, E. Pollitt, and **M. T. Ruel**. 1995. Consecuencias a largo plazo del retardo en el crecimiento durante la niñez. *Archivos Latino Americanos de Nutrición* 45 (1-5): 109S–113S.
12. Rivera, J., R. Martorell, **M. T. Ruel**, J.-P. Habicht, and J. Haas. 1995. Nutritional supplementation during the preschool years and body size and composition in Guatemalan adolescents. *Journal of Nutrition* 125 (5 supplement): 1068S–1077S.
13. **Ruel, M. T.**, J. Rivera, and J.-P. Habicht. 1995. Length screens better than weight in stunted populations. *Journal of Nutrition* 125 (5): 1222–1228.
14. **Ruel, M. T.**, J. Rivera, J.-P. Habicht, and R. Martorell. 1995. Differential response to early nutrition supplementation: Long-term effects on height at adolescence. *International Journal of Epidemiology* 24 (3): 402–412.

15. Schroeder, D., R. Martorell, J. Rivera, **M. T. Ruel**, and J.-P. Habicht. 1995. Age differences in the impact of supplementation on growth. *Journal of Nutrition* 125 (5 supplement): 1060S–1067S.
16. **Ruel, M. T.** 1995. Child growth monitoring as an educational tool, an integrating strategy and a source of information: A review of experience. In *Child growth and nutrition in developing countries. Priorities for action*, ed. P. Pinststrup-Andersen, D. Pelletier, and H. Alderman, chapter 5, 78–96. Ithaca, N.Y.: Cornell University Press.
17. **Ruel, M. T.**, J.-P. Habicht, K. Rasmussen, and R. Martorell. 1996. Screening for nutritional interventions: The risk or the benefit approach? *American Journal of Clinical Nutrition* 63 (5): 671–677.
18. Bentley, M. E., L. E. Caulfield, M. Ram, M. C. Santizo, E. Hurtado, J. A. Rivera, **M. T. Ruel**, and K. H. Brown. 1997. Zinc supplementation affects the activity patterns of rural Guatemalan infants. *Journal of Nutrition* 127 (7): 1333–1338.
19. Casterline, J. E., L. H. Allen, and **M. T. Ruel**. 1997. Vitamin B-12 deficiency in lactating Guatemalan women and their infants. *Journal of Nutrition* 127 (10): 1966–1972.
20. Engle, P. L., E. Hurtado, and **M. T. Ruel**. 1997. Smoke exposure of women and young children in highland Guatemala: Prediction and recall accuracy. *Human Organization* 56 (4): 408–417.
21. Rivera, J., and **M. T. Ruel**. 1997. Growth retardation starts in the first few months of life in rural Guatemala. *European Journal of Clinical Nutrition* 51 (2): 92–96.
22. Romieu, I., M. Hernandez-Avila, J. A. Rivera, **M. T. Ruel**, and S. Parra. 1997. Dietary studies in countries experiencing health transition. *American Journal of Clinical Nutrition* 65 (4 supplement): 1159S–1165S.
23. **Ruel, M. T.**, J. Rivera, K. H. Brown, and B. Lönnnerdal. 1997. Impact of zinc supplementation on morbidity from diarrhea and respiratory infections among rural Guatemalan children. *Pediatrics* 99 (6): 808–813.
24. **Ruel, M. T.**, K. G. Dewey, C. Martinez, R. Flores, and K. H. Brown. 1997. Validation of single daytime samples of human milk to estimate the 24-hour concentration of lipids among urban Guatemalan mothers. *American Journal of Clinical Nutrition* 65 (2): 439–444.
25. Rivera, J. A., **M. T. Ruel**, M. C. Santizo, K. H. Brown, and B. Lönnnerdal. 1998. Zinc supplementation improves the growth of stunted rural Guatemalan infants. *Journal of Nutrition* 128 (3): 556–562.
26. **Ruel, M. T.**, and H. Bouis. 1998. Plant breeding: a long-term strategy for the control of zinc deficiency in vulnerable populations. *American Journal of Clinical Nutrition* 68 (2S): 488S–494S.
27. Garrett, J. L., and **M. T. Ruel**. 1999. Are determinants of rural and urban food security and nutritional status different? Some insights from Mozambique. *World Development* 27 (11): 1955–1975.
28. Garrett, J. L., and **M. T. Ruel**. 1999. Food and nutrition in an urbanizing world. *Choices*, Special Millennium Issue, Fourth Quarter: 12–17.
29. Haddad, L. J., **M. T. Ruel**, and J. L. Garrett. 1999. Are urban poverty and undernutrition growing? Some newly assembled evidence. *World Development* 27 (11): 1891–1904.
30. Levin, C. E., **M. T. Ruel**, S. S. Morris, D. G. Maxwell, M. Armar-Klemesu, and C. Ahiadeke. 1999. Working women in an urban setting: Traders, vendors, and food security in Accra. *World Development* 27 (11): 1977–1991.

31. Morris, S. S., C. E. Levin, M. Armar-Klemesu, D. G. Maxwell, and **M. T. Ruel**. 1999. Does geographic targeting of nutrition interventions make sense in cities? Evidence from Abidjan and Accra. *World Development* 27 (11): 2011–2019.
32. Morris, S. S., **M. T. Ruel**, R. J. Cohen, K. G. Dewey, L. H. Allen, H. Bouis, and N. Hassan. 1999. Precision, accuracy and reliability of hemoglobin assessment. *American Journal of Clinical Nutrition* 69 (6): 1243–1248.
33. **Ruel, M. T.**, and J. L. Garrett. 1999. Overview. (Special issue of *World Development* on “Urban Challenges to Food and Nutrition Security in the Developing World.”) *World Development* 27 (11): 1885–1889.
34. **Ruel, M. T.**, L. J. Haddad, and J. L. Garrett. 1999. Some urban facts of life: Implications for research and policy. *World Development* 27 (11): 1917–1938.
35. **Ruel, M. T.**, C. E. Levin, M. Armar-Klemesu, D. G. Maxwell, and S. S. Morris. 1999. Good care practices mitigate the negative effects of poverty and low maternal schooling on children’s nutritional status: Evidence from Accra. *World Development* 27 (11): 1993–2009.
36. Zinc Investigators’ Collaborative Group (R. Black, Z. Bhutta, K. Brown, J. Gardner, S. Gore, A. Hidayat, F. Khatun, R. Martorell, N. Ninh, M. Penny, J. Rosado, S. Roy, **M. Ruel**, S. Sazawal, A. Shankar). 1999. Prevention of diarrhea and acute lower respiratory infection by zinc supplementation in developing country children: Pooled analysis of randomized controlled trials. *Journal of Pediatrics* 135 (6): 689–697.
37. Armar-Klemesu, M., **M. T. Ruel**, D. Maxwell, C. E. Levin, and S. S. Morris. 2000. Poor maternal schooling is the main constraint to good child care practices in Accra. *Journal of Nutrition* 130 (6): 1597–1607.
38. Menon, P., **M. T. Ruel**, and S. S. Morris. 2000. Socio-economic differentials in child stunting are consistently larger in urban than rural areas: Analysis of 10 DHS data sets. *Food and Nutrition Bulletin* 21 (3): 282–289.
39. **Ruel, M. T.** 2000. Urbanization in Latin America: Constraints and opportunities for child feeding and care. *Food and Nutrition Bulletin* 21 (1): 12–24.
40. Zinc Investigators Collaborative Group (R. Black, Z. Bhutta, K. Brown, J. Gardner, S. Gore, A. Hidayat, F. Khatun, R. Martorell, N. Ninh, M. Penny, J. Rosado, S. Roy, **M. Ruel**, S. Sazawal, A. Shankar). 2000. Therapeutic effects of oral zinc in acute and persistent diarrhea in children in developing countries: pooled analysis of randomized controlled trials. *American Journal of Clinical Nutrition* 72 (6): 1516–1522.
41. Garrett, J. L., and **M.T. Ruel**, eds. 2000. *Achieving urban food and nutrition security in the developing world*. 2020 Vision Focus 3. Washington, D.C.: International Food Policy Research Institute.
42. Maxwell, D., C. Levin, M. Armar-Klemesu, **M. Ruel**, S. Morris, and C. Ahiadeke. 2000. *Urban livelihoods, food and nutrition security in greater Accra*. Research Report 112. Washington, D.C.: International Food Policy Research Institute.
43. **Ruel, M. T.** 2001. The natural history of growth failure: importance of intrauterine and postnatal periods. In *Nutrition and growth*, ed. R. Martorell and F. Haschke, 123–158. Nestlé Nutrition Workshop Series, Pediatric Program, vol. 47. Philadelphia: Nestec Ltd., Vevey/Lippincott Williams & Wilkins.
44. **Ruel, M. T.** 2001. *Can food-based strategies help reduce vitamin A and iron deficiencies? A review of recent evidence*. Food Policy Review #5. Washington, D.C.: International Food Policy Research Institute.
45. **Ruel, M. T.**, and H. E. Bouis. 2001. Food modifications and impact on nutrition. In *Encyclopedia for life support systems* (EOLSS). Oxford.

46. **Ruel, M. T.**, and C. E. Levin. 2001. Food-based approaches. In *Nutritional anemias*, ed. U. Ramakrishnan, 185–214. CRC Series in Modern Nutrition. Boca Raton, Fla.: CRC Press.
47. **Ruel, M. T.**, L. Haddad, and J. L. Garrett. 2001. Rapid urbanization and the challenges of obtaining food and nutrition security. In *Nutrition and health in developing countries*, ed. R. D. Semba and M. Bloem, 465–482. Totowa, N.J.: Humana Press.
48. **Ruel, M. T.** 2001. Do subsidized child care programmes work? An operations evaluation. *Food, Nutrition and Agriculture* 29: 44–52.
49. **Ruel, M. T.**, and C. Levin. 2002. Food-based approaches for alleviating micronutrient malnutrition: An overview. In *Food systems for improved human nutrition: Linking agriculture, nutrition and productivity*, ed. P. Katakai and S. Babu, 31–53. New York, London, Oxford: Food Products Press, the Haworth Press, Inc.
50. **Ruel, M. T.**, and M. Arimond. 2002. Spot-check observations for assessing hygiene practices: Review of experience and implications for programs. *Journal of Health, Population and Nutrition* 20 (1): 65–76.
51. **Ruel, M. T.**, and C. Levin. 2002. Food-based approaches for alleviating micronutrient malnutrition: An overview. *Journal of Crop Production* 6 (1/2): 31–54.
52. **Ruel, M. T.**, and P. Menon. 2002. Child feeding practices are associated with child nutritional status in Latin America: Innovative uses of the Demographic and Health Surveys. *Journal of Nutrition* 132 (6): 1180–1187.
53. **Ruel, M. T.** 2003. *The Guatemala Community Daycare Program: Effective food aid targeting in urban areas*. IFPRI/WFP Brief—Linking Research and Action. Strengthening Food Assistance and Food Policy Research. Washington, D.C.: International Food Policy Research Institute.
54. **Ruel, M. T.**, and M. Arimond. 2003. *Developments in measuring care, and implications for programs*. Food Policy Review Series #6. Washington, D.C.: International Food Policy Research Institute.
55. **Ruel, M. T.**, B. de la Brière, K. Hallman, A. R. Quisumbing, and N. Coj de Salazar. 2003. Child care and working women in urban Guatemala. In *Household decisions, gender, and development. A synthesis of recent research*, ed. A. R. Quisumbing, 219–224. Washington, D.C.: International Food Policy Research Institute.
56. **Ruel, M. T.** 2003. Progress in developing indicators to measure complementary feeding practices. In Meeting the challenge to improve complementary feeding, A. D. Moreira. *SCN News* 27: 20–22.
57. **Ruel, M. T.** 2003. Operationalizing dietary diversity: A review of measurement issues and research priorities. *Journal of Nutrition* 133 (11, supplement): 3911S–3926S.
58. **Ruel, M. T.**, K. H. Brown, and L. E. Caulfield. 2003. Moving forward with complementary feeding: Indicators and research priorities. *Food and Nutrition Bulletin* 24 (3): 289–290.
59. **Ruel, M. T.**, and M. Arimond. 2004. Dietary diversity and growth: An analysis of recent demographic and health surveys. In *Food-based approaches for a healthy nutrition in West Africa*, ed. I. D. Brouwer, A. S. Traoré, and S. Trèche, 167–182. Proceedings of the 2nd International Workshop, Ouagadougou, November 23–28, 2003. Ouagadougou, Burkina Faso: Presses Universitaires.
60. Arimond, M., and **M. T. Ruel**. 2004. Dietary diversity is associated with child nutritional status: Evidence from 11 demographic and health surveys. *Journal of Nutrition* 134 (10): 2579–2585.

61. International Zinc Nutrition Consultative Group (IZiNCG Steering Committee: Z. Bhutta, K. H. Brown, R. S. Gibson, J. C. King, J. A. Rivera, B. Lönnerdal, **M. T. Ruel**, B. Sandstrom, and E. Wasantwisut). 2004. Assessment of the risk of zinc deficiency in populations and options for its control. C. Hotz and K. H. Brown, guest editors). *Food and Nutrition Bulletin* 25 (1) (supplement 2): S91-S294.
62. Neufeld, L. M., J. D. Haas, **M. T. Ruel**, R. Grajeda, and L. P. Naeher. 2004. Smoky indoor cooking fires are associated with elevated hemoglobin concentration in iron-deficient women. *Revista Panamericana de Salud Pública (Pan American Journal of Public Health)* 15 (2): 110–118.
63. **Ruel, M. T.**, and J. Garrett. 2004. Features of urban food and nutrition security and considerations for successful urban programming. *Electronic Journal of Agriculture and Development Economics* 1 (2): 242–271.
64. **Ruel, M. T.**, P. Menon, C. Loechl, and G. Pelto. 2004. Donated fortified cereal blends improve the nutrient density of traditional complementary foods in Haiti, but iron and zinc gaps remain for infants. *Food and Nutrition Bulletin* 25 (4): 361–376.
65. Garrett, J. and **M. T. Ruel**. 2005. Stunted child-overweight mother pairs: Prevalence and association with economic development and urbanization. *Food and Nutrition Bulletin* 26 (2): 209–221.
66. Garrett, J., and **M. T. Ruel**. 2005. The coexistence of child undernutrition and maternal overweight: Prevalence, hypotheses, and programme and policy implications. *Maternal and Child Nutrition* 1 (3): 185–196.
67. Hallman, K., A. Quisumbing, **M. Ruel**, and B. de la Brière. 2005. Mother’s work and child care: Findings from the urban slums of Guatemala City. *Economic Development and Cultural Change* 53 (4): 855–886.
68. Hawkes, C., C. Eckhardt, **M. Ruel**, and N. Minot. 2005. Diet quality, poverty and food policy: A new research agenda for obesity prevention in developing countries. *SCN News* 29: 20–22.
69. Smith, L. C., **M. T. Ruel**, and A. Ndiaye. 2005. Why is child malnutrition lower in urban than rural areas? Evidence from 36 developing countries. *World Development* 33 (8): 1285–1305.
70. Hawkes, C., and **M. T. Ruel**. 2006. The links between agriculture and health: An intersectoral opportunity to improve the health and livelihoods of the poor. *Bulletin of the World Health Organization* 84 (12): 984–990.
71. Hawkes, C., and **M. T. Ruel**, eds. 2006. Understanding the links between agriculture and health. 2020 Vision Focus 13. Washington, D.C.: International Food Policy Research Institute.
72. Hawkes, C., and **M. T. Ruel**. 2006. Overview. In *Understanding the links between agriculture and health*. Series 2020 Vision Focus Brief Series Number 13(1). Washington, D.C.: International Food Policy Research Institute.
73. Hawkes, C., and **M. T. Ruel**. 2006. Agriculture and nutrition linkages: Old lessons and new paradigms. In *Understanding the links between agriculture and health*. Series 2020 Vision Focus Brief Series Number 13(1). Washington, D.C. International Food Policy Research Institute.
74. **Ruel, M. T.** A. Quisumbing, K. Hallman, and B. de la Brière. 2006. *The Guatemala Community Day Care Program: An example of effective urban programming*. Research Report 144. Washington, D.C.: International Food Policy Research Institute.
75. **Ruel, M. T.** 2006. Monitoring and evaluation. In *Guidelines for fortification with micronutrients*, ed. L. Allen, B. de Benoist, O. Dary, and R. Hurrell. Geneva: World Health Organization/Food and Agriculture

Organization of the United Nations.

http://www.who.int/nutrition/publications/guide_food_fortification_micronutrients.pdf

76. Hawkes, C., **M. Ruel**, and S. Babu, eds. 2007. Linkages between agriculture and health in science, policy, and practice. *Food and Nutrition Bulletin* 28 (2) (supplement): S221–S226.
77. Hawkes, C., **M. Ruel**, and S. Babu. 2007. Agriculture and health: Overview, themes, and moving forward. *Food and Nutrition Bulletin* 28 (2): S221–S226.
78. Menon, P., **M. T. Ruel**, C. U. Loechl, M. Arimond, J.-P. Habicht, G. Pelto, and L. Michaud. 2007. Micronutrient sprinkles reduce anemia among 9- to 24-mo-old children when delivered through an integrated health and nutrition program in rural Haiti. *Journal of Nutrition* 137 (4): 1023–1030.
79. Pachon, H., K. B. Simondon, S. T. Fall, P. Menon, **M. T. Ruel**, C. Hotz, H. Creed-Kanashiro, B. Arce, M. R. L. Dominguez, E. A. Frongillo, and D. L. Brown. 2007. Constraints on the delivery of animal-source foods to infants and young children: Case studies from five countries. *Food and Nutrition Bulletin* 28 (2): 215–229.
80. Quisumbing, A. R., K. Hallman, and **M. T. Ruel**. 2007. Maquiladoras and market mamas: Women’s work and childcare in Guatemala City and Accra. *Journal of Development Studies* 43 (3): 420–455.
81. Randolph, T. F., E. Schelling, D. Grace, C. F. Nicholson, J. L. Leroy, D. Peden, D. C. Cole, M. W. Demment, A. Omere, J. Zinsstag, and **M. Ruel**. 2007. Invited Review: Role of livestock in human nutrition and health for poverty reduction in developing countries. *Journal of Animal Science* 85 (11): 2788–2800.
82. Coitinho, D. C., J. A. Rivera, R. Uauy, Z. Y. Ding, **M. T. Ruel**, and P. G. Svensson. 2008. Emerging nutrition challenges: Policies to tackle undernutrition, obesity, and chronic diseases. *World Hospital Health Service* 44 (3): 45–48.
83. Eckhardt, C., L. E. Torheim, E. Monterrubio, S. Barquera, and **M. T. Ruel**. 2008. The overlap of overweight and anaemia among women in three countries undergoing the nutrition transition. *European Journal of Clinical Nutrition* 62 (2): 238–246.
84. Menon, P., M. Mbuya, J.-P. Habicht, G. Pelto, C. U. Loechl, and **M. T. Ruel**. 2008. Assessing supervisory and motivational factors in the context of a program evaluation in rural Haiti. *Journal of Nutrition* 138 (3): 634–637.
85. Moursi, M. M., M. Arimond, K. G. Dewey, S. Treche, **M. T. Ruel**, and F. Delpuech. 2008. Dietary diversity is a good predictor of the micronutrient density of the diet of 6-to-23-month-old children in Madagascar. *Journal of Nutrition* 138 (12): 2448–2453.
86. **Ruel, M. T.** 2008. Addressing the underlying determinants of undernutrition: Examples of successful integration of nutrition in poverty-reduction and agriculture strategies. *SCN News* 36: 21-29.
87. **Ruel, M. T.**, P. Menon, J.-P. Habicht, C. Loechl, G. Bergeron, G. Pelto, M. Arimond, J. Maluccio, L. Michaud, and B. Hankebo. 2008. Age-based preventive targeting of food assistance and behaviour change communication for reduction of childhood undernutrition in Haiti: A cluster randomized trial. *The Lancet* 371: 588–595.
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