

Curriculum Vitae

Name: Matin QAIM
Date/Place of Birth: 20 December 1969; Mainz (Germany)
Nationality: German
Marital Status: Married; two daughters
Official Address: Center for Development Research (ZEF), University of Bonn,
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Professional Positions

Since 10/2021 Director, Center for Development Research (ZEF) and Schlegel-Professor of Economic and Technological Change, University of Bonn
10/2007-09/2021 Professor of International Food Economics and Rural Development, Georg-August-University of Goettingen
04/2004-09/2007 Professor of International Agricultural Trade and Food Security, University of Hohenheim, Stuttgart
02/2003-03/2004 Senior Researcher and Team Leader, Center for Development Research (ZEF), University of Bonn
01/2001-01/2003 Postdoctoral Research Fellow, Department of Agricultural and Resource Economics, University of California, Berkeley, USA
09/1997-12/2000 Junior Researcher, Center for Development Research (ZEF), University of Bonn
09/1996-08/1997 Research Associate, Institute of Food Economics, University of Kiel

Education and Academic Degrees

2003 Habilitation, University of Bonn; Venia Legendi in “Agricultural and Development Economics”
2000 Doctoral Degree, Agricultural Economics, University of Bonn
1993-1996 Agricultural Economics, University of Kiel; “Diplom” (MSc) in July 1996
1990-1992 Agricultural Sciences, University of Bonn; “Vordiplom” in September 1992
1976-1989 Primary School and High School in Juelich (Germany); “Abitur” in May 1989

Main Research Areas

Sustainable Food Systems; Hunger, Malnutrition & Poverty; Agriculture-Nutrition Linkages; Agricultural Technology; Smallholder Farming; Rural Development; Land-Use Change

Country Experience

Extended research stays and/or project experience in Argentina, Brazil, China, Côte d’Ivoire, Egypt, Ethiopia, Ghana, India, Indonesia, Kenya, Malawi, Mexico, Nicaragua, Pakistan, Philippines, Tanzania, Thailand, Tunisia, Uganda, USA, Vietnam, Zambia

Awards and Honors

- Highly Cited Researcher Award, Web of Science, Clarivate (2021, 2022, 2023, 2024)
- AAEA Fellow, American Agricultural and Applied Economics Association (2019)
- Elected Member, German National Academy of Sciences – Leopoldina (2018)
- Tilo Freiherr von Wilmowsky-Prize 2025 for Outstanding Achievements in the Agribusiness Sector (VLI – Platform for Agriculture and Agribusiness)
- InnoPlanta Science Prize 2015 (Research in the Field Crop Biotechnology)
- Excellence Award 2011 for Policy-Oriented Development Research of the German Development Bank (KfW) and the German Economics Association
- Elected Member, Göttingen Academy of Sciences (2011)
- Grand International DLG-Prize for Scientific Achievements (2010)
- Outstanding Article Award 2007, American Agricultural Economics Association (AAEA)
- Emmy Noether-Stipend/ Grant (2001-2005), German Research Foundation (DFG)
- Nils Westermarck-Award 2003, Intern. Association of Agricultural Economists (IAAE)
- Josef G. Knoll-Science-Award 2000, Eiselen Foundation, for PhD Dissertation

Publications and Public Outreach

- Over 250 Peer-Reviewed Publications in Books and Leading Academic Journals (incl. *Science*, *Nature Group*, *Lancet Group*, *PNAS*)
- >100 Invited Keynote Lectures at Academic and Policy Conferences in Agricultural Economics, Nutrition, Plant Sciences, Agronomy, Biotechnology, Medical Sciences, etc.
- >120 Popular Articles in Newspapers, Magazines, and Internet Blogs
- >220 Invited Public Lectures on Topics Related to Sustainable Agriculture, Biotechnology, Food Security, Public Health Nutrition, and Global Development Policy
- Frequent Interviews for Newspapers, Radio, and TV Channels. Coverage of Research in New York Times, Economist, Newsweek, NZZ, FAZ, Spiegel, SZ, The Hindu, etc.

Teaching and Training Experience

- Supervised >60 Doctoral Researchers (From >20 Countries) as Main Advisor
- Prize for Best MSc Course, Faculty of Agriculture, University of Göttingen (2012)
- Teaching in Sustainable Food Systems, Food and Nutrition Security, Agricultural Trade, Development Economics, Tropical Agriculture, Applied Econometrics, Microeconomics
- Director of MSc Agricultural Economics Program, University of Hohenheim (2004-2007)

University Committees and Appointments

- Senate, University of Göttingen (2021)
- Director, Research Training Group “Sustainable Food Systems” (RTG 2654) (2020-2021)
- Director, Research Training Group GlobalFood (RTG 1666) (2011-2020)
- Vice-Director, Collaborative Research Center Indonesia (CRC 990) (2012-2021)
- Board of the Faculty of Agricultural Sciences, University of Goettingen (2009-2021)
- Board of the Center for Tropical Agriculture, University of Hohenheim (2004-2007)

Other Academic Appointments

- Senate Committee on Transformation of Agri-Food Systems, German Research Foundation (DFG) (since 2024)
- Academic Committee, China Center for Agricultural Policy, Peking University (2024-)
- Advisory Board on Food Security, German Federal Ministry for Economic Cooperation and Development (BMZ) (since 2022)
- Senate Committee Strategic Initiatives, Leibniz-Society (since 2022)
- Board of Trustees, German Museum (“Deutsches Museum”), Munich (since 2022)
- President, International Association of Agricultural Economists (IAAE) (since 2024), President-Elect (2021-2024), Board of Directors (since 2018)
- Advisory Council, Micronutrient Forum (since 2021)
- Expert Group on Sustainable Food Systems, EU Commission (2021)
- Advisory Board, Universal Scientific Education and Research Network (since 2021)
- Task Force on Climate Change and Food, The Royal Society, UK (2020-2021)
- Lead Expert, Global Panel on Agriculture and Food Systems for Nutrition (2018-2020)
- Communications Committee, Agric. & Applied Econ. Assoc. (AAEA), USA (since 2018)
- Standing Committee on Life Sciences, Leopoldina, German National Academy of Sciences (2015-2024)
- Scientific Advisory Board, Institute for Food and Agricultural Literacy (IFAL), University of California at Davis, USA (2015-2021)
- Adjunct Professor, Kasetsart University, Bangkok, Thailand (since 2010)
- Scientific Advisory Board, German Federal Ministry of Food & Agriculture (2009-2020)
- Steering Committee, German Agricultural Society (DLG) (2014-2017)
- Board of Trustees, Int. Maize and Wheat Improvement Center (CIMMYT) (2009-2014)
- Board of Directors, Africa Harvest Biotech International Foundation (2009-2014)
- Chair, External Advisory Board, Africa Biofortified Sorghum (ABS) (2006-2010)
- Golden Rice Humanitarian Board (since 2006)
- Board, Council for Tropical/ Subtropical Agricultural Research (ATSAF) (2005-2009)

Editorial Roles and Review Committees

- Associate Editor, American Journal of Agricultural Economics (2018-2024), Agricultural Economics (2007-2012), Food Security (2014-2015)
- Editorial Board, Food Policy (since 2007), European Review of Agricultural Economics (since 2021), Annual Review of Resource Economics (2015-2022), Agricultural and Resource Economics Review (2014-2020), Rural 21 (2011-2021)
- Jury, Josef G. Knoll European Science Prize, Fiat Panis Foundation (2016-2022)

Languages

- Bilingual Fluency in German and English; Working Knowledge in Spanish

Bonn, October 2025

Publication Record (October 2025)

Matin QAIM

Articles in Academic Journals:

1. Ameye, H., V. Hülsen, K. Glatzel, A. Laar, M. Qaim (2025). Urbanizing Food Environments in Africa: Challenges and Opportunities for Improving Accessibility, Affordability, Convenience, and Desirability of Healthy Diets. *Food Policy*, in press.
2. Pieper, T., T.-T. Nguyen, M. Qaim (2025). Access to Electricity and Gendered Labor Allocation: Insights from Ethiopia. *Energy Policy*, Vol. 207, 114814, <https://doi.org/10.1016/j.enpol.2025.114814>.
3. Mutsami, C., M.C. Parlasca, M. Qaim (2025). Evolving Farm and Off-Farm Income Sources and Jobs in Rural Africa. *Journal of International Development*, Vol. 37, pp. 1367-1380, <https://doi.org/10.1002/jid.70010>.
4. Llerena Pinto, M.C., A. Mirzabaev, M. Qaim (2025). Effects of Recurrent Rainfall Shocks on Poverty and Income Distribution in Rural Ecuador. *World Development*, Vol 195, 107107, <https://doi.org/10.1016/j.worlddev.2025.107107>.
5. Mohammed, F.Y., M.G. Khonje, M. Qaim (2025). Women's Roles in Decision-Making and Nutrition-Sensitive Agriculture. *Food Security*, <https://doi.org/10.1007/s12571-025-01553-5>.
6. Zeddies, H.H., M.C. Parlasca, M. Qaim (2025). Agrivoltaics Increases Public Acceptance of Solar Energy Production on Agricultural Land. *Land Use Policy*, Vol. 156, 107604, <https://doi.org/10.1016/j.landusepol.2025.107604>.
7. Molitorisová, A., S. Clemens, L. Fresco, A. Hubar-Kołodziejczyk, J. Tosun, U. Niggli, M. Qaim, R.G.F Visser, A.P.M. Weber, J. Wesseler, D. Zilberman, K. Purnhagen (2025). New Genomic Techniques in Organic Production: Considerations for Science-Based, Effective, and Acceptable EU Regulation. *Cell Reports Sustainability*, Vol. 2, No. 6, 100495, <https://doi.org/10.1016/j.crsus.2025.100405>.
8. Qaim, M., M.C. Parlasca (2025). Agricultural Economics and the Transformation Toward Sustainable Agri-Food Systems. *Agricultural Economics*, Vol. 56, No. 3, pp. 327-335, <https://doi.org/10.1111/agec.70023>.
9. Surendran-Padmaja, S., M.C. Parlasca, M. Qaim, V.V. Krishna (2025). Private Service Provision Contributes to Widespread Innovation Adoption Among Smallholder Farmers: Laser Land Levelling Technology in Northwestern India. *Agricultural Water Management*, Vol. 312, 109411, <https://doi.org/10.1016/j.agwat.2025.109411>.
10. Rana, M.S., A. Faye, M. Qaim (2025). Temporary Migration Decisions and Effects on Household Income and Diets in Rural Bangladesh. *Agricultural Economics*, Vol. 56, No. 3, pp. 769-781, <https://doi.org/10.1111/agec.70030>.
11. Nguyen, T.-T., M. Qaim (2025). Local and Regional Food Production Diversity are Positively Associated with Household Dietary Diversity in Rural Africa. *Nature Food*, Vol. 6, No. 2, pp. 205-212, <https://doi.org/10.1038/s43016-024-01096-6>.
12. Qaim, M., R. Barrangou, P.C. Ronald (2024). Sustainability of Animal-Sourced Foods and Plant-Based Alternatives. *Proceedings of the National Academy of Sciences USA*, Vol. 121, No. 50, e2400495121, <https://doi.org/10.1073/pnas.2400495121>.

13. Khonje, M.G., M. Qaim (2024) Animal-Sourced Foods Improve Child Nutrition in Africa. *Proceedings of the National Academy of Sciences USA*, Vol. 121, No. 50, e2319009121, <https://doi.org/10.1073/pnas.2319009121>.
14. Elmira, E.S., B.B. Chichaibelu, M. Qaim (2024). Marriage Customs and Nutritional Status of Men and Women. *Food Policy*, Vol. 128, 102734, <https://doi.org/10.1016/j.foodpol.2024.102734>.
15. Melaku, A.B., M. Qaim B.L. Debela (2024). Maternal Employment in High-Value Agriculture and Child Nutrition: Evidence from the Ethiopian Cut-Flower Industry. *Food Policy*, Vol. 128, 102732, <https://doi.org/10.1016/j.foodpol.2024.102732>.
16. Musungu, A.L., Z. Kubik, M. Qaim (2024). Drought Shocks and Labor Reallocation in Rural Africa: Evidence from Ethiopia. *European Review of Agricultural Economics*, Vol. 51, No. 4, pp. 1045-1068, <https://doi.org/10.1093/erae/jbae020>.
17. Hülsen, V., M.G. Khonje, M. Qaim (2024). Market Food Environments and Child Nutrition. *Food Policy*, Vol. 128, 102704, <https://doi.org/10.1016/j.foodpol.2024.102704>.
18. Noack, F., D. Engist, J. Gantois, V. Gaur, B.F. Hyjazie, A. Larsen, L.K. M'Gonigle, A. Missirian, M. Qaim, R.D. Sargent, E. Souza-Rodrigues, C. Kremen (2024). Environmental Impacts of Genetically Modified Crops. *Science*, Vol. 385, eado9340, <https://doi.org/10.1126/science.ado9340>.
19. Rana, M.S., M. Qaim (2024). Patterns of Temporary Rural Migration: A Study in Northern Bangladesh. *World Development*, Vol. 182, 106718, <https://doi.org/10.1016/j.worlddev.2024.106718>.
20. Liu, Z., L. Kornher, M. Qaim (2024). Impacts of Supermarkets on Child Nutrition in China. *Food Policy*, Vol. 127, 102681, <https://doi.org/10.1016/j.foodpol.2024.102681>.
21. Zeddies, H.H., G. Busch, M. Qaim (2024). Positive Public Attitudes Towards Agricultural Robots. *Scientific Reports* 14, 15607, <https://doi.org/10.1038/s41598-024-66198-4>.
22. Kubitza, C., V.V. Krishna, S. Klasen, T. Kopp, N. Nuryartono, M. Qaim (2024). Labor Displacement in Agriculture: Evidence from Oil Palm Expansion in Indonesia. *Land Economics*, Vol. 100, No. 3, pp. 547-567, <https://doi.org/10.3368/le.100.3.122122-0109R1>.
23. Maina, K.V., M.C. Parlasca, E.J.O. Rao, M. Qaim (2024). Farmer-Friendly Delivery of Veterinary Services: Experimental Insights from the Kenyan Dairy Sector. *Journal of Agricultural Economics*, Vol. 75, No. 3, pp. 829-846, <https://doi.org/10.1111/1477-9552.12585>.
24. von Groß, V., K.T. Sibhatu, A. Knohl, M. Qaim, E. Veldkamp, D. Hölscher, D.C. Zemp, M.D. Corre, I. Grass, S. Fiedler, C. Stiegler, B. Irawan, L. Sundawati, K. Husmann, C. Paul (2024). Transformation Scenarios Towards Multifunctional Landscapes: A Multi-Criteria Land-Use Allocation Model Applied to Jambi Province, Indonesia. *Journal of Environmental Management*, Vol. 356, 120710, <https://doi.org/10.1016/j.jenvman.2024.120710>.
25. Rasmussen, L.V., I. Grass, Z. Mehrabi, O.M. Smith, R. Bezner-Kerr, J. Blesh, L.A. Garibaldi, M.E. Isaac, C.M. Kennedy, H. Wittman, P. Batáry, D. Buchori, R. Cerda, J. Chará, D. Crowder, K. Darras, K. DeMaster, K. Garcia, M. Gómez, D. Gonthier, P. Hidayat, J. Hipólito, M. Hirons, L. Hoey, D. James, I. John, A.D. Jones, D.S. Karp, Y. Kebede, C.B. Kerr, S. Klassen, M. Kotowska, H. Kreft, R. Llanque, C. Levers, D.J. Lizcano, A. Lu, S. Madsen, R.N. Marques, P.B.

- Martins, A. Melo, H. Nyantakyi-Frimpong, E.M. Olimpi, J.P. Owen, H. Pantevez, M. Qaim, S. Redlich, C. Scherber, A.R. Sciligo, S. Snapp, W.E. Snyder, I. Steffan-Dewenter, A.E. Stratton, J.M. Taylor, T. Tscharntke, V. Valencia, C. Vogel, C. Kremen (2024). Joint Environmental and Social Benefits from Diversified Agriculture. *Science*, Vol. 384, pp. 87-93, <https://doi.org/10.1126/science.adj1914>.
26. Shen, J., Z. Zhu, M. Qaim, S. Fan, X. Tian (2023). E-Commerce Improves Dietary Quality of Rural Households in China. *Agribusiness*, Vol. 39, No. S1, pp. 1495-1511, <http://doi.org/10.1002/agr.21864>.
 27. Qaim, M. (2023). Actual and Potential Effects of New Plant Breeding Technologies. *Indian Journal of Ecology*, Vol. 50, No. 6, pp. 1860-1873, <https://doi.org/10.55362/IJE/2023/4149>.
 28. Daum, T., F. Baudron, R. Birner, M. Qaim, I. Grass (2023). Addressing Agricultural Labour Issues is Key to Biodiversity-Smart Farming. *Biological Conservation*, Vol. 284, 110165, <https://doi.org/10.1016/j.biocon.2023.110165>.
 29. Knöblsdorfer, I., M. Qaim (2023). Cheap Chicken in Africa: Would Import Restrictions be Pro-Poor? *Food Security*, Vol. 15, pp. 791-804, <https://doi.org/10.1007/s12571-022-01341-5>.
 30. Chrisendo, D., H. Siregar, M. Qaim (2022). Oil Palm Cultivation Improves Living Standards and Human Capital Formation in Smallholder Farm Households. *World Development*, Vol. 159, 106034, <https://doi.org/10.1016/j.worlddev.2022.106034>.
 31. Mehraban, N. B.L. Debela, U. Kalsum, M. Qaim (2022). What About Her? Oil Palm Cultivation and Intra-Household Gender Roles. *Food Policy*, Vol. 110, 102276, <https://doi.org/10.1016/j.foodpol.2022.102276>.
 32. Rajkhowa, P., M. Qaim (2022). Mobile Phones, Women's Physical Mobility, and Contraceptive Use in India. *Social Science & Medicine*, Vol. 305, 115074, <https://doi.org/10.1016/j.socscimed.2022.115074>.
 33. Khonje, M.G., J. Ricker-Gilbert, M. Muyanga, M. Qaim (2022). Farm-Level Production Diversity and Child and Adolescent Nutrition in Rural Sub-Saharan Africa: A Multicountry, Longitudinal Study. *Lancet Planetary Health*, Vol 6. No. 5, pp. e391-e399, [https://doi.org/10.1016/S2542-5196\(22\)00071-7](https://doi.org/10.1016/S2542-5196(22)00071-7).
 34. Parlasca, M.C., M. Qaim (2022). Meat Consumption and Sustainability. *Annual Review of Resource Economics*, Vol. 14, pp. 17-41, <https://doi.org/10.1146/annurev-resource-111820-032340>.
 35. Debela, B.L., A. Ruml, M. Qaim (2022). Effects of Contract Farming on Diets and Nutrition in Ghana. *Applied Economic Perspectives and Policy*, Vol. 44, No. 2, pp. 911-929, <http://doi.org/10.1002/aep.13204>.
 36. Sibhatu K.T., L. Steinhübel, H. Siregar, M. Qaim, M. Wollni (2022). Spatial Heterogeneity in Smallholder Oil Palm Production. *Forest Policy and Economics*, Vol. 139, 102731, <https://doi.org/10.1016/j.forpol.2022.102731>.
 37. Rajkhowa, P., M. Qaim (2022). Mobile Phones, Off-Farm Employment, and Household Income in Rural India. *Journal of Agricultural Economics*, Vol. 73, No. 3, pp. 789-805, <https://doi.org/10.1111/1477-9552.12480>.
 38. Kovak, E., D. Blaustein-Rejto, M. Qaim (2022). Genetically Modified Crops Support Climate Change Mitigation. *Trends in Plant Science*, Vol. 27, No. 7, pp. 627-629, <https://doi.org/10.1016/j.tplants.2022.01.004>.

39. Ruml, A., C. Ragasa, M. Qaim (2022). Contract Farming, Contract Design, and Smallholder Livelihoods. *Australian Journal of Agricultural and Resource Economics*, Vol. 66, No. 1, pp. 24-43, <https://doi.org/10.1111/1467-8489.12462>.
40. Parlasca, M., C. Johnen, M. Qaim (2022). Use of Mobile Financial Services Among Farmers in Africa: Insights from Kenya. *Global Food Security*, Vol. 32, 100590, <https://doi.org/10.1016/j.gfs.2021.100590>.
41. Rajkhowa, P., M. Qaim (2021). Personalized Digital Extension Services and Agricultural Performance: Evidence from Smallholder Farmers in India. *PLOS ONE*, Vol. 16, No. 10, e0259319. <https://doi.org/10.1371/journal.pone.0259319>.
42. Meemken, E.-M., C.B. Barrett, H.C. Michelson, M. Qaim, T. Reardon, J. Sellare (2021). Sustainability Standards in Global Agrifood Supply Chains. *Nature Food*, Vol. 2, pp. 758-765, <https://www.nature.com/articles/s43016-021-00360-3>.
43. Debela, B.L., E. Gehrke, M. Qaim (2021). Links between Maternal Employment and Child Nutrition in Rural Tanzania. *American Journal of Agricultural Economics*, Vol. 103, No. 3, pp. 812-830, <https://doi.org/10.1111/ajae.12113>.
44. Purnhagen, K.P., S. Clemens, D. Eriksson, L.O. Fresco, J. Tosun, M. Qaim, R.G.F. Visser, A.P.M. Weber, J.H.H. Wesseler, D. Zilberman (2021). Europe's Farm-to-Fork Strategy and Its Commitment to Biotechnology and Organic Farming: Conflicting or Complementary Goals? *Trends in Plant Science*, Vol. 26, No. 6, pp. 600-606, <https://doi.org/10.1016/j.tplants.2021.03.012>.
45. Altman, A., L.J. Fan, C. Foyer, W. Cowling, R. Mittler, M. Qaim, A.P.M. Weber, M. Reynolds, R.K. Varshney, A. Fernie (2021). Past and Future Milestones of Plant Breeding. *Trends in Plant Science*, Vol. 26, No. 6, pp. 530-538.
46. Knöblsdorfer, I., J. Sellare, M. Qaim (2021). Effects of Fairtrade on Farm Household Food Security and Living Standards: Insights from Côte d'Ivoire. *Global Food Security*, Vol. 29, 100535, <https://doi.org/10.1016/j.gfs.2021.100535>.
47. Mehraban, N., C. Kubitz, Z. Alamsyah, M. Qaim (2021). Oil Palm Cultivation, Household Welfare, and Exposure to Economic Risk in the Indonesian Small Farm Sector. *Journal of Agricultural Economics*, Vol. 72, No. 3, 901-915, <https://doi.org/10.1111/1477-9552.12433>.
48. Chrisendo, D., H. Siregar, M. Qaim (2021). Oil Palm and Structural Transformation of Agriculture in Indonesia. *Agricultural Economics*, Vol. 52, No. 5, pp. 849-862, <https://doi.org/10.1111/agec.12658>.
49. Otterbach, S., H.R. Oskorouchi, M. Rogan, M. Qaim (2021). Using Google Data to Measure the Role of Big Food and Fast Food in South Africa's Obesity Epidemic. *World Development*, Vol. 140, 105368, <https://doi.org/10.1016/j.worlddev.2020.105368>.
50. Jäckering, L., E.-M. Meemken, J. Sellare, M. Qaim (2021). Promoting Written Employment Contracts: Evidence from a Randomized Awareness Campaign. *European Review of Agricultural Economics*, Vol. 48(4), pp. 1007-1030 <https://doi.org/10.1093/erae/jbaa035>.
51. Ruml, A., M. Qaim (2021). New Evidence Regarding the Effects of Contract Farming on Agricultural Labor Use. *Agricultural Economics*, Vol. 52, No. 1, pp. 51-66, <https://doi.org/10.1111/agec.12606>.
52. Ruml, A., M. Qaim (2020). Smallholder Farmers' Dissatisfaction with Contract Schemes in Spite of Economic Benefits: Issues of Mistrust and Lack of Transparency. *Journal of*

- Development Studies*, Vol. 57, No. 77, pp. 1106-1119, <https://doi.org/10.1080/00220388.2020.1850699>.
53. Qaim, M. (2020). Bt Cotton, Yields and Farmers' Benefits. *Nature Plants*, Vol. 6, pp. 1318-1319, <https://doi.org/10.1038/s41477-020-00788-8>.
 54. Van Der Straeten, D., N. Bhullar, H. De Steur, W. Gruissem, D. MacKenzie, W. Pfeiffer, M. Qaim, I. Slamet-Loedin, S. Strobbe, J. Tohme, K. Trijatmiko, H. Vanderschuren, M. Van Montagu, C. Zhang, H. Bouis (2020). Multiplying the efficiency and impact of biofortification through metabolic engineering. *Nature Communications*, Vol. 11, 5203, <https://doi.org/10.1038/s41467-020-19020-4>.
 55. Muthini, D., J. Nzuma, M. Qaim (2020). Subsistence Production, Markets, and Dietary Diversity in the Kenyan Small Farm Sector. *Food Policy*, Vol. 97, 101956, <https://doi.org/10.1016/j.foodpol.2020.101956>.
 56. Ruml, A., M. Qaim (2020). Effects of Marketing Contracts and Resource-Providing Contracts in the African Small Farm Sector: Insights from Oil Palm Production in Ghana. *World Development*, Vol. 136, 105110, <https://doi.org/10.1016/j.worlddev.2020.105110>.
 57. Chrisendo, D., V.V. Krishna, H. Siregar, M. Qaim (2020). Land-Use Change, Nutrition, and Gender Roles in Indonesian Farm Households. *Forest Policy and Economics*, Vol. 118, 102245, <https://doi.org/10.1016/j.forpol.2020.102245>.
 58. Ogutu, S.O., D.O. Ochieng, M. Qaim (2020). Supermarket Contracts and Smallholder Farmers: Implications for Income and Multidimensional Poverty. *Food Policy*, Vol. 95, 101940, <https://doi.org/10.1016/j.foodpol.2020.101940>.
 59. Khonje, M.G., O. Ecker, M. Qaim (2020). Effects of Modern Food Retailers on Adult and Child Diets and Nutrition. *Nutrients*, Vol. 12, 1714, <https://doi.org/10.3390/nu12061714>.
 60. Nuthalapati, C.S.R., R. Sutradhar, T. Reardon, M. Qaim (2020). Supermarket Procurement and Farmgate Prices in India. *World Development*, Vol. 134, 105034, <https://doi.org/10.1016/j.worlddev.2020.105034>.
 61. Sellare, J., E.M. Meemken, M. Qaim (2020). Fairtrade, Agrochemical Input Use, and Effects on Human Health and the Environment. *Ecological Economics*, Vol. 176, 106718, <https://doi.org/10.1016/j.ecolecon.2020.106718>.
 62. Grass, I., C. Kubitz, V.V. Krishna, M.D. Corre, O. Mußhoff, P. Pütz, J. Drescher, K. Rembold, E.S. Ariyanti, A. Barnes, N. Brinkmann, U. Brose, B. Brümmer, D. Buchori, R. Daniel, K. Darras, H. Faust, L. Fehrmann, J. Hein, N. Hennings, P. Hidayat, D. Hölscher, M. Jochum, A. Knohl, M.M. Kotowska, V. Krashevskaya, H. Kreft, C. Leuschner, N.J.S. Lobite, R. Panjaitan, A. Polle, A. Potapov, E. Purnama, M. Qaim, A. Röhl, S. Scheu, D. Schneider, A. Tjoa, T. Tschardtke, E. Veldkamp, M. Wollni (2020). Trade-Offs Between Multifunctionality and Profit in Tropical Smallholder Landscapes. *Nature Communications* Vol. 11, 1186; <https://doi.org/10.1038/s41467-020-15013-5>.
 63. Qaim, M., K.T. Sibhatu, H. Siregar, I. Grass (2020). Environmental, Economic, and Social Consequences of the Oil Palm Boom. *Annual Review of Resource Economics*, Vol. 12, pp. 321-344; <https://doi.org/10.1146/annurev-resource-110119-024922>.
 64. Demmler, K.M., M. Qaim, M. (2020). Africa's Changing Food Environments and Nutritional Effects on Adults and Children. *World Review of Nutrition and Dietetics*, Vol. 121, pp. 31-41.

65. Qaim, M. (2020). Role of New Plant Breeding Technologies for Food Security and Sustainable Agricultural Development. *Applied Economic Perspectives and Policy*, Vol. 42, No. 2, pp. 129-150. <https://doi.org/10.1002/aepp.13044>.
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