

## **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 Visiting Research Fellow, Department of Agricultural and Resource Economics, University of California, Berkeley, USA  
09/1997-12/2000 Research Associate/Fellow, 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, Malnutrition & Poverty, Agriculture-Nutrition Linkages, Agricultural Technology, Smallholder Farming & Rural Development; Land-Use Change

### **Country and/or Project 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

## Awards and Honors

- Highly Cited Researcher Award, Web of Science, Clarivate (2021, 2022, 2023)
- AAEA Fellow, American Agricultural and Applied Economics Association (2019)
- Elected Member, German National Academy of Sciences – Leopoldina (2018)
- InnoPlanta Science Prize 2015 (for research in the area of 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, German Agricultural Society (DLG), 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 Journals of Agricultural Economics, Development Economics, Plant Science, Nutrition, and General Interest Journals (e.g., *Science*, *Nature Group*, *Lancet Group*, *PNAS*)
- >80 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 More than 50 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)
- Board of the Faculty of Agricultural Sciences, University of Hohenheim (2006-2007)

### **Other Academic Appointments**

- 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-Elect, International Association of Agricultural Economists (IAAE) (since 2021), 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 (since 2015)
- 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 (since 2018), 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, November 2023

## Publication Record (November 2023)

Matin QAIM

### Articles in Academic Journals:

1. Kubitz, C., V.V. Krishna, S. Klasen, T. Kopp, N. Nuryartono, M. Qaim (2023). Labor Displacement in Agriculture: Evidence from Oil Palm Expansion in Indonesia. *Land Economics*, in press.
2. Shen, J., Z. Zhu, M. Qaim, S. Fan, X. Tian (2023). E-Commerce Improves Dietary Quality of Rural Households in China. *Agribusiness*, <http://doi.org/10.1002/agr.21864>.
3. 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>.
4. Knöbldorfer, 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>.
5. 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>.
6. 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>.
7. 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>.
8. 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).
9. 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>.
10. 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>.
11. 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>.
12. 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>.
13. 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>.

14. 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>.
15. 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>.
16. 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>.
17. 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>.
18. 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>.
19. 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>.
20. 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.
21. 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>.
22. Mehraban, N., C. Kubitza, 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>.
23. 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>.
24. 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>.
25. 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>.
26. 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>.
27. 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>.
28. 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>.
29. 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>.
30. 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>.
31. 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>.
32. 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>.
33. 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>.
34. 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>.
35. 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>.
36. 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>.
37. Grass, I., C. Kubitzka, 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>.
38. 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>.
39. 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.

40. 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/aep.13044>.
41. Ogutu, S.O., T. Gödecke, M. Qaim (2020). Agricultural Commercialisation and Nutrition in Smallholder Farm Households. *Journal of Agricultural Economics*, Vol. 71, No. 2, pp. 534-555, <https://doi.org/10.1111/1477-9552.12359>.
42. Parlasca, M.C., O. Mußhoff, M. Qaim (2020). Can Mobile Phones Improve Nutrition Among Pastoral Communities? Panel Data Evidence from Northern Kenya. *Agricultural Economics*, Vol. 51, No. 3, pp. 475-488.
43. Eriksson, D., R. Custers, K.E. Björnberg, S.O. Hansson, K. Purnhagen, M. Qaim, J. Romeis, J. Schiemann, S. Schleissing, J. Tosun, R.G.F. Visser (2020). Options to Reform the European Union Legislation on Genetically Modified Organisms: Scope and Definitions. *Trends in Biotechnology*, Vol. 38, No. 3, pp. 231-234.
44. Eriksson, D., R. Custers, K.E. Björnberg, S.O. Hansson, K. Purnhagen, M. Qaim, J. Romeis, J. Schiemann, S. Schleissing, J. Tosun, R.G.F. Visser (2020). Options to Reform the European Union Legislation on Genetically Modified Organisms: Risk Governance. *Trends in Biotechnology*, Vol. 38, No. 4, pp. 349-351.
45. Eriksson, D., R. Custers, K.E. Björnberg, S.O. Hansson, K. Purnhagen, M. Qaim, J. Romeis, J. Schiemann, S. Schleissing, J. Tosun, R.G.F. Visser (2020). Options to Reform the European Union Legislation on Genetically Modified Organisms: Post-Authorization and Beyond. *Trends in Biotechnology*, Vol. 38, No. 5, pp. 465-467.
46. Ogutu, S.O., A. Fongar, T. Gödecke, L. Jäckering, H. Mwololo, M. Njuguna, M. Wollni, M. Qaim (2020). How to Make Farming and Agricultural Extension More Nutrition-Sensitive: Evidence from a Randomised Controlled Trial in Kenya. *European Review of Agricultural Economics*, Vol. 47, No. 1, pp. 95-118.
47. Sibiko, K.W., M. Qaim (2020). Weather Index Insurance, Agricultural Input Use, and Crop Productivity in Kenya. *Food Security*, Vol. 12, No. 1, pp. 151-167.
48. Debela, B.L., K.M. Demmler, S. Klasen, M. Qaim (2020). Supermarket Food Purchases and Child Nutrition in Kenya. *Global Food Security*, Vol. 25, 100341, <https://doi.org/10.1016/j.gfs.2019.100341>.
49. Sellare, J., E.-M. Meemken, C. Kouame, M. Qaim (2020). Do Sustainability Standards Benefit Smallholder Farmers also When Accounting for Cooperative Effects? Evidence from Cote d'Ivoire. *American Journal of Agricultural Economics*, Vol. 102, No. 2, pp. 681-695.
50. Qaim, M. (2019). Agrarökonomische Forschung im Kontext der globalen Nachhaltigkeitsziele. *German Journal of Agricultural Economics*, Vol. 68 (S2), S. 15-28.
51. Fongar, A., T. Gödecke, M. Qaim (2019). Various Forms of Double Burden of Malnutrition Problems Exist in Rural Kenya. *BMC Public Health* 19: 1543, <https://doi.org/10.1186/s12889-019-7882-y>
52. Wanyama, R., T. Gödecke, M. Qaim (2019). Food Security and Dietary Quality in African Slums. *Sustainability* 11(21), 5999, <https://doi.org/10.3390/su11215999>.
53. Kouser, S., D.J. Spielman, M. Qaim (2019). Transgenic Cotton and Farmers' Health in Pakistan. *PLOS ONE* 14(10): e0222617. <https://doi.org/10.1371/journal.pone.0222617>.

54. Wanyama, R., T. Gödecke, C.G.K. Chege, M. Qaim (2019). How Important are Supermarkets for the Diets of the Urban Poor in Africa? *Food Security*, Vol. 11, No. 6, pp. 1339-1353.
55. Khonje, M.G., M. Qaim (2019). Modernization of African Food Retailing and (Un)healthy Food Consumption. *Sustainability* 11(16), 4306, <https://doi.org/10.3390/su11164306>.
56. Meemken, E.M., J. Sellare, C. Kouame, M. Qaim (2019). Effects of Fairtrade on the Livelihoods of Poor Rural Workers. *Nature Sustainability*, Vol. 2, pp. 635-642, <https://doi.org/10.1038/s41893-019-0311-5>.
57. Zaidi, S.S., H. Vanderschuren, M. Qaim, M.M. Mahfouz, A. Kohli, S. Mansoor, M. Tester (2019). New Plant Breeding Technologies for Food Security. *Science*, Vol. 363, pp. 1390-1391.
58. Krishna, V.V., K. Darras, I. Grass, Y.A. Mulyani, D.M. Prawiradilaga, T. Tschardtke, M. Qaim (2019). Wildlife Trade and Consumer Preference for Species Rarity: An Examination of Caged-Bird Markets in Sumatra. *Environment and Development Economics*, Vol. 24, No. 4, pp. 339-360.
59. Brinkmann, N., D. Schneider, J. Sahner, J. Ballauff, N. Edy, H. Barus, B. Irawan, S.W. Budi, M. Qaim, R. Daniel, A. Polle (2019). Intensive Tropical Land Use Massively Shifts Soil Fungal Communities. *Scientific Reports*, Vol. 9, 3403.
60. Wanyama, R., T. Gödecke, M. Jager, M. Qaim (2019). Poor Consumers' Preferences for Nutritionally Enhanced Foods. *British Food Journal*, Vol. 212, No. 3, pp. 755-770.
61. Ogutu, S.O., M. Qaim (2019). Commercialization of the Small Farm Sector and Multidimensional Poverty. *World Development*, Vol. 114, pp. 281-293.
62. Fongar, A., T. Gödecke, A. Aseta, M. Qaim (2019). How well do Different Dietary and Nutrition Assessment Tools Match? Insights from Rural Kenya. *Public Health Nutrition*, Vol. 22, No. 3, pp. 391-403.
63. Meemken, E.M., M. Qaim (2018). Organic Agriculture, Food Security, and the Environment. *Annual Review of Resource Economics*, Vol. 10, pp. 39-63. <https://doi.org/10.1146/annurev-resource-100517-023252>
64. Wainaina, P., S. Tongruksawattana, M. Qaim (2018). Synergies between Different Types of Agricultural Technologies in the Kenyan Small Farm Sector. *Journal of Development Studies*, Vol. 54, No. 11, pp. 1974-1990.
65. Sibiko, K.W., P.C. Veetil, M. Qaim (2018). Small Farmers' Preferences for Weather Index Insurance: Insights from Kenya. *Agriculture & Food Security*, Vol. 7, 53, <https://doi.org/10.1186/s40066-018-0200-6>.
66. Bou Dib, J., Z. Alamsyah, M. Qaim (2018). Land-Use Change and Income Inequality in Rural Indonesia. *Forest Policy and Economics*, Vol. 94, pp. 55-66.
67. Sibhatu, K.T., M. Qaim (2018). Review: Meta-Analysis of the Association between Production Diversity, Diets, and Nutrition in Smallholder Farm Households. *Food Policy*, Vol. 77, pp. 1-18, <https://doi.org/10.1016/j.foodpol.2018.04.013>.
68. Gödecke, T., A.J. Stein, M. Qaim (2018). The Global Burden of Chronic and Hidden Hunger: Trends and Determinants. *Global Food Security*, Vol. 17, pp. 21-29, <https://doi.org/10.1016/j.gfs.2018.03.004>.
69. Bou Dib, J., V.V. Krishna, Z. Alamsyah, M. Qaim (2018). Land-Use Change and Livelihoods of Non-Farm Households: The Role of Income from Employment in Oil Palm and Rubber in Rural Indonesia. *Land Use Policy*, Vol. 76, pp. 828-838.



70. Kubitzka, C., V.V. Krishna, K. Urban, Z. Alamsyah, M. Qaim (2018). Land Property Rights, Agricultural Intensification, and Deforestation in Indonesia. *Ecological Economics*, Vol. 147, pp. 312-321.
71. Meemken, E.M., M. Qaim (2018). Can Private Food Standards Promote Gender Equality in the Small Farm Sector? *Journal of Rural Studies*, Vol. 58, pp. 39-51.
72. Kubitzka, C., V.V. Krishna, Z. Alamsyah, M. Qaim (2018). The Economics behind an Ecological Crisis: Livelihood Effects of Oil Palm Expansion in Sumatra, Indonesia. *Human Ecology*, Vol. 46, pp. 107-116.
73. Sibhatu, K.T., M. Qaim (2018). Farm Production Diversity and Dietary Quality: Linkages and Measurement Issues. *Food Security*, Vol. 10, No. 1, pp. 47-59.
74. Demmler, K.M., O. Ecker, M. Qaim (2018). Supermarket Shopping and Nutritional Outcomes: A Panel Data Analysis for Urban Kenya. *World Development*, Vol. 102, No. 1, pp. 292-303.
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### **Keynote Lectures at Academic and Policy Conferences:**

1. Qaim, M. (2023). Food System Transformations to Mitigate Climate Change Impacts on Nutrition. Plenary Keynote Lecture at the 6<sup>th</sup> Micronutrient Forum Global Conference “Nutrition for Resilience (N4R)”, 16-20 October 2023, The Hague.
2. Qaim, M. (2023). Sustainable Food Systems at What it Takes to Get There. Invited Opening Plenary Lecture at the German Conference of Agricultural Economists (GEWISOLA), 20-22 September 2023, Goettingen.
3. Qaim, M. (2023). Food Environments and People’s Access to Healthy Diets. Invited Lecture at the Aga Khan Development Network Conference on “Climate Change, Agriculture, Food Security and Nutrition”, 16-17 August 2023, Nairobi (Online).

4. Qaim, M. (2023). Global Challenges for Agrifood: We Cannot Afford to Ignore Potentials of New Breeding Technologies. Keynote at “Thought for Food” Expert Forum on Regulatory Framework for New Breeding Technologies organized by the German Federal Ministry of Education and Research, 27 June 2023, Brussels.
5. Qaim, M. (2023). Internationaler Agrar- und Lebensmittelhandel im Spannungsfeld globaler Krisen. Scientific Keynote at the 10<sup>th</sup> International Trade Day of the German Agri-Food Sector, 13 June 2023, Federal Foreign Office, Berlin.
6. Qaim, M. (2023). Tierische Lebensmittel und Nachhaltigkeit: Sollten wir alle Veganer werden? Opening Plenary Lecture at the 60<sup>th</sup> Scientific Congress of the German Nutrition Society (DGE), 15-17 March 2023, Bonn.
7. Qaim, M. (2023). Ernährungssicherung in Zeiten globaler Krisen. Plenary Lecture at the 73<sup>rd</sup> Public Agrifood Conference of the University of Kiel, 26 January 2023, Kiel.
8. Qaim, M. (2022). Nutrition for Resilience: Impact of Rising Food Prices on Vulnerable Populations. Invited Symposium Lecture (Virtual Presentation) at the 22<sup>nd</sup> IUNS International Congress of Nutrition, 6-11 December 2022, Tokyo.
9. Qaim, M. (2022). Can Green Biotechnology Help to Nourish Humankind? Virtual Lecture at the Conference “Future of Nutrition” Organized by the German Food Association (Lebensmittelverband), 5 December 2022, Berlin.
10. Qaim, M. (2022). Bedeutung der Grünen Gentechnik für nachhaltige Landwirtschaft und Ernährungssicherung. Lecture at the Conference „Grüne Gentechnik – ja aber wie?“, German Chemical Society (GDCh), 3 November 2022, Frankfurt.
11. Qaim, M. (2022). Actual and Potential Effects of Genetically Modified Crops. Keynote Lecture at the Indian Ecological Society International Conference, 13-15 October 2022, Jammu, India.
12. Qaim, M. (2022). How (Un)sustainable is Palm Oil Production? Keynote Lecture at the Conference “Interventions and Instruments to Enhance Sustainable Farming Practices”, University of Passau, 29-30 September 2022, Passau.
13. Qaim, M. (2022). Possible Socioeconomic Implications of Plant Genome Editing. Keynote at 3<sup>rd</sup> PlantEd Conference, European Cooperation in Science and Technology, 5-7 September 2022, Düsseldorf.
14. Qaim, M. (2022). Sustainable Food Security and the Role of Plant Breeding. Public Evening Lecture at the International Conference of the German Society for Plant Sciences (Botanik-Tagung), 29 August 2022, Bonn.
15. Qaim, M. (2022). Smallholder Production Diversity and Child Nutrition. Invited Lecture at Organized Symposium “Food Security and the Future of Small Farms”, Annual Meetings of the American Agricultural and Applied Economics Association (AAEA), 31 July – 2 August 2022, Anaheim, California.
16. Qaim, M. (2022). Challenges for Sustainable Food and Nutrition Security. Keynote Lecture at the GIZ Conference “Food and Nutrition Security, Enhanced Resilience”, Deutsche Gesellschaft für International Zusammenarbeit (GIZ), 4 July 2022, Berlin.
17. Qaim, M. (2022). Challenges for Sustainable Food Security. Keynote Lecture at the DAAD Congress “Climate Change – How Do We Protect and Feed the World?”, German Academic Exchange Service (DAAD), 8-10 June 2022, Bonn.

18. Qaim, M. (2022). Dare More Progress – Science Can Rescue Farming and Food Security. Keynote Lecture at Global Food Summit, 7-8 June 2022, Munich.
19. Qaim, M. (2022). Sustainable Food Security: The Grand Challenges. Plenary Lecture at International Conference of the Indonesian Society of Agricultural Economics (ISAE), 27-29 May 2022, Malang, Indonesia (Online).
20. Qaim, M. (2022). New Plant Breeding Technologies, Regulation, and Sustainable Food Security. Plenary Lecture at International Conference “New Breeding Techniques: Towards More Sustainable Agriculture”, European Research Council and Agroscope, 25 May 2022, Switzerland (Online).
21. Qaim, M. (2022). Neue Züchtungstechnologien und nachhaltige Ernährungssicherung. Plenary Lecture at the 19<sup>th</sup> InnoPlanta-Forum, 26 April 2022, Berlin.
22. Qaim, M. (2021). Measuring and Monitoring the Sustainability of Global Supply Chains. Invited Lecture at 2021 Forum on Globalization and Industrialization, United Nations Industrial Development Organization (UNIDO), 6-7 December 2021, Vienna (Online).
23. Qaim, M. (2021). Challenges for Sustainable Global Food Security. Keynote Lecture at the 6<sup>th</sup> International Congress of the Universal Scientific Education and Research Network (USERN), 6-13 November 2021 (Online).
24. Qaim, M. (2021). Genome Editing, Global Food Security, and Bioeconomy. Keynote Lecture at the BVL Symposium “Biotechnology in a Changing World: Health, Environment, and Regulation”, Federal Office of Consumer Protection and Food Safety, 6-7 October 2021, Berlin (Online).
25. Qaim, M. (2021). Landwirtschaft, Ernährungssicherung und globale Nachhaltigkeit. Invited Plenary Lecture at the 63. Conference of the German Association of Agronomists, 28-30 September 2021, Rostock.
26. Qaim, M. (2021). Role of Innovative Plant Breeding Technologies for Food Security and Sustainable Agricultural Development. Keynote Lecture at Conference “Socioeconomic Impacts of Emerging Precision Breeding”, Taiwan Institute of Economic Research, 26 August 2021, Taipei (Online).
27. Qaim, M. (2021). Meat Consumption and Sustainable Development: An Overview. Invited Lecture at the 31<sup>st</sup> Congress of the International Association of Agricultural Economists (IAAE), 17-31 August 2021 (Online).
28. Qaim, M. (2021). Role of New Plant Breeding Technologies for Food Security and Sustainable Agricultural Development. Keynote Lecture at IAMO Forum 2021, Institute of Agricultural Development in Transition Economies, 7-9 June 2021, Halle (Online).
29. Qaim, M. (2021). Biotechnology, Food Security, and the Environment. Keynote at Public Hearing “New GM Techniques in the Food Sector”, European Parliament, Committee on Environment, Public Health, and Food Safety, 10 May 2021, Brussels (Online).
30. Qaim, M. (2021). The Costs of Lost Innovations. Keynote Lecture at the Conference “The Benefits from GMO Regulatory Harmonization”, International Consortium on Applied Bioeconomy Research (ICABR), 4 May 2021, Saskatoon (Online).
31. Qaim, M. (2021). New Plant Breeding Technologies and Sustainable Agricultural Development. Keynote Lecture at the Conference “CRISPR and Food”, Swiss Academy of Natural Sciences, 19 April 2021, Bern (Online).

32. Qaim, M. (2021). Resilient Food Systems in Times of Pandemics. Keynote Lecture at VegMed 2021 Medical Congress, 28 February – 2 March 2021, Berlin (Online).
33. Qaim, M. (2020). Sustainable Food Systems: Trends and Challenges. Keynote Lecture at the Sino-German Science and Technology Platform Conference on “Food Security and Nutrition in a Changing World”, 3 December 2020, Beijing (Online).
34. Qaim, M. (2020). Roles of Plant Breeding for Sustainable Agriculture and Food Systems. Keynote Lecture at ISGP Conference on “Sustainable Agriculture: The Role of Plant Breeding Innovations”, Institute on Science for Global Policy, 17-18 November 2020, Brussels (Online).
35. Qaim, M. (2020). European Perceptions of Palm Oil and Sustainable Production in Smallholder Systems. Keynote Lecture at the CSPPO Conference (Consortium Studies on Smallholder Palm Oil), 17 November 2020, Jakarta, Indonesia (Online).
36. Qaim, M. (2020). Urgency to Overhaul EU’s GMO Regulation in the Context of Climate Change, Sustainable Agriculture, and Economic Pressure. Keynote Lecture at the International Conference “Genome Editing in Europe: New Agenda or New Disputes?” convened by German Research Foundation (DFG) the National Academy of Sciences (Leopoldina), 1-2 October 2020, Brussels (Online).
37. Qaim, M. (2020). Nutrition-Sensitive Agriculture in Developing Countries. Invited Keynote Lecture at the 64<sup>th</sup> Conference of the Australasian Agricultural and Resource Economics Society (AARES), 10-14 February 2020, Perth, Australia.
38. Qaim, M. (2019). The Role of Modern Plant Biotechnology for Agricultural Development and Food Security. Invited Lecture at the United Nations Panel on CRISPR Technology and its Potential to Transform Agriculture, FAO, 14 November 2019, Rome.
39. Qaim, M. (2019). Supermarkets in Africa: Nutrition Implications for Food Producers and Consumers. Invited Plenary Lecture at the 6<sup>th</sup> Conference of the African Association of Agricultural Economists (AAAE), 23-26 September 2019, Abuja, Nigeria.
40. Qaim, M. (2019). Improving Gender Equality in African Agriculture. Invited Panel at the 6<sup>th</sup> Conference of the African Association of Agricultural Economists (AAAE), 23-26 September 2019, Abuja, Nigeria.
41. Qaim, M. (2019). What Role for Nutrition-Sensitive Agriculture in Developing Countries? Invited Lecture at the IAAE Organized Symposium, AAEA 2019 Annual Meetings, Agricultural & Applied Economics Association, 21-23 July 2019, Atlanta.
42. Sellare, J., E.M. Meemken, C. Kouame, M. Qaim (2019). Do Sustainability Standards Benefit Smallholder Farmers also when accounting for Cooperative Effects? Evidence from Cote d’Ivoire. Invited Paper at the AAEA 2019 Annual Meetings, Agricultural & Applied Economics Association, 21-23 July 2019, Atlanta.
43. Qaim, M. (2019). Smallholder Production and Dietary Diversity. Invited Lecture at the SDSN Online-Conference “The Latest Evidence on Nutrition-Sensitive Agriculture”, United Nations Sustainable Development Solutions Network, 3-5 June 2019.
44. Qaim, M. (2019). Research for Sustainable Agriculture and Food Security. Invited Lecture at the Leopoldina Life Science Symposium, National Academy of Sciences, 22-23 May 2019, Halle.

45. Qaim, M. (2019). Can Genetically Modified Organisms Help to Feed the World? Invited Plenary Lecture at the XV International Gottfried von Haberler Conference, 17 May 2019, European Center of Austrian Economics Foundation, Vaduz, Liechtenstein.
46. Qaim, M. (2019). Transformation of Food Value Chains and the Double Burden of Malnutrition. Invited Plenary Lecture at the 4<sup>th</sup> International Congress on Hidden Hunger, 27 February – 1 March, Stuttgart.
47. Qaim, M. (2018). Does Diversified Agricultural Production Automatically Lead to Improved Nutrition? Invited Keynote Lecture at the Tropentag Conference, 17-19 September 2018, Ghent, Belgium.
48. Qaim, M. (2018). The Future of Agricultural Economics Research in Context of the Sustainable Development Goals. Invited Lecture at the GEWISOLA-Conference, 12-14 September 2018, Kiel.
49. Qaim, M. (2018). Knowledge Gaps in Value Chain Research from a Sustainable Development Perspective. Invited Lecture at the ICAE 2018 Pre-Conference Workshop on 20 Years of Value Chain Research, 28 July 2018, Vancouver.
50. Qaim, M. (2018). Socioeconomic Impacts and Potentials of Genetically Modified Crops in Developing Countries. Keynote Lecture at the 22<sup>nd</sup> ICABR Conference, International Consortium on Applied Bioeconomy Research, 12-15 June 2018, Washington, DC.
51. Qaim, M. (2018). Links between Agricultural Production Diversity and Dietary Quality in the Small Farm Sector. Keynote Lecture at the Conference “Making Smallholder Agriculture More Nutrition-Sensitive” Organized by Africa Harvest, University of Nairobi, and University of Goettingen, 22-23 March 2018, Nairobi.
52. Qaim, M. A. Fongar, T. Gödecke, L. Jäckering, S. Ogutu, M. Wollni (2017). Improving Agricultural Extension to Promote Nutrition-Sensitive Innovation: Insights from a Randomised Experiment in Kenya. Invited Presentation at the Tropentag, 20-22 September 2017, Bonn.
53. Qaim, M. (2017). Ernährung im Kontext der globalen Nachhaltigkeitsziele. Keynote Lecture at the 25th Anniversary Conference of the Center for Research on Agricultural Landscapes (ZALF), 22 June 2017, Müncheberg.
54. Qaim, M. (2017). Can genetically modified crops contribute to food security and sustainable agricultural development? Evidence from 20 years of impact research. Keynote Lecture at the 3<sup>rd</sup> Forum of the International Industrial Biotechnology Network (IIBN), 10 May 2017, Ghent, Belgium.
55. Qaim, M. (2017). On the Link between Production Diversity and Dietary Quality in Smallholder Farm Households. Invited Plenary Lecture at the 3<sup>rd</sup> International Congress on Hidden Hunger, 20-22 March, Stuttgart.
56. Qaim, M. (2016). Socioeconomic Impacts of Genetically Modified Crops are Pro-Poor. Invited Plenary Lecture at the Biennial Conference of the Pontifical Academy of Sciences, 25-29 November, Vatican City.
57. Qaim, M. (2016). The Role of Genetically Modified Crops for Food Security. Invited Keynote Lecture at the CIMMYT 50<sup>th</sup> Anniversary Conference (International Maize and Wheat Improvement Center), 27-29 September, Mexico City.
58. Qaim, M. (2015). Does Globalization of Agrifood Systems Provide Sustainable Nutrition? Invited Lecture at the 12<sup>th</sup> European Nutrition Conference, Federation of European Nutrition Societies (FENS), 20-23 October, Berlin.



59. Qaim, M. (2015). Food and Nutrition Security and the Important Role of Agricultural Development. Invited Keynote Lecture at the Development Finance Forum, German Development Bank (KfW), 9-10 July, Frankfurt.
60. Qaim, M. (2015). Economic, Environmental, and Health Effects of Genetically Modified Crops. Keynote Lecture at the 19<sup>th</sup> ICABR Conference (International Consortium on Applied Bioeconomy Research), 16-19 June, Ravello.
61. Qaim, M. (2015). The Economics of Agricultural Biotechnology. Keynote Lecture at the International Conference “Food in the Bio-based Economy”, Wageningen University, 27-29 May, Wageningen.
62. Qaim, M. (2014). Food Security, Agricultural Technology and Crop Protection. Plenary Lecture at the 59<sup>th</sup> German Crop Protection Conference, 24 September, Freiburg.
63. Qaim, M., C.I.M. Andersson, C.G.K. Chege, S.C. Kimenju, S. Klasen, R. Rischke (2014). Nutrition Effects of the Supermarket Revolution on Urban Consumers and Smallholder Farmers in Kenya. Invited Paper at the Annual Meeting of the Agricultural and Applied Economics Association (AAEA), 27-29 July, Minneapolis, MN.
64. Qaim, M. (2014). Economic and Social Impacts of GM Crops. Keynote Lecture at Conference on “Promoting Agricultural Biotechnology for Sustainable Development in Africa” organized by the Network of African Science Academies (NASAC) and the European Academies Science Advisory Council (EASAC), 25-26 February, Addis Ababa.
65. Qaim, M. (2013). Potentials of Plant Biotechnology in Developing Countries. Invited Plenary Lecture at the Leopoldina-Symposium “The Future Model of Agrarian Land Use”, German National Academy of Science, 28-29 October, Halle.
66. Qaim, M. (2013). How to Evaluate Nutrition and Health Impacts of Agricultural Innovations. Keynote Lecture at the Science Forum 2013, Consultative Group on International Agricultural Research (CGIAR), 23-25 September, Bonn.
67. Qaim, M. (2013). Agriculture-Nutrition Linkages and the Potential Role of Genetically Modified Crops. Keynote Lecture at the Hidden Hunger International Congress, University of Hohenheim, 6-9 March, Stuttgart.
68. Qaim, M. (2012). What Shall We Eat? What Shall We Drink? – Global Food and Water Management. Invited Lecture at the Symposium “Already Beyond? 40 Years Limits to Growth”, Volkswagen Foundation, 28-29 November, Hannover.
69. Qaim, M. (2012). Increasing Agricultural Productivity: How Can We Achieve More Efficient Production Systems? Invited Lecture and at The Economist Conference “Feeding the World: The 9-Billion People Question”, 8 February 2012, Geneva.
70. Qaim, M. (2011). Using Food Consumption Data to Assess Nutrition and Health Impacts of Agricultural Interventions. Invited Plenary Lecture at the Conference “Measuring Effects of Agri-Health Interventions” organized by the London International Development Center and IFPRI, 12-13 May, London.
71. Qaim, M. (2010). Der Mensch lebt nicht vom Brot allein – Weltseuche Nährstoffmangel. Invited Plenary Lecture at the 126<sup>th</sup> Congress of the Deutsche Gesellschaft der Naturforscher und Ärzte (GDNÄ), 17-21 September, Dresden.
72. Qaim, M. (2010). Economic and Social Impacts of Genetically Modified Crops in Developing Countries. Invited Keynote Lecture at the 12<sup>th</sup> International Association for Plant Biotechnology (IAPB) World Congress, 6-11 June, St. Louis.

73. Qaim, M. (2009). Economic Consequences of Golden Rice and other Genetically Modified Crops. Invited Lecture at the 10<sup>th</sup> Science & Society Conference of the European Molecular Biology Organization (EMBO), 6-7 November, Heidelberg.
74. Qaim, M. (2009). Socioeconomic Impacts of Genetically Modified Crops in Developing Countries. Invited Lecture at the EMBO (European Molecular Biology Organization) Conference, 29 August – 1 September, Amsterdam.
75. Qaim, M. (2009). Benefits of GM Crops for the Poor: Household Income, Nutrition, and Health. Invited Lecture at the Conference of the Pontifical Academy of Sciences, 15-19 May, Vatican City.
76. Qaim, M. (2008). Golden Rice in the Society: The Role of Impact Assessment. Invited Lecture at the Bertebos Conference, The Royal Swedish Academy of Agriculture and Forestry, 7-9 September, Falkenberg.
77. Qaim, M., A.J. Stein (2008). Economic Consequences of Golden Rice. Invited Lecture at the Fourth Conference of the European Plant Science Organisation (EPSO), 22-26 June, Toulon.
78. Qaim, M., A. Stein, J.V. Meenakshi (2006). Economics of Biofortification. Invited Keynote Lecture at the 26<sup>th</sup> IAAE Conference (International Association of Agricultural Economists), 12-18 August, Queensland, Australia.
79. Qaim, M. (2005). Agricultural Biotechnology Adoption in Developing Countries. Invited Principal Paper at the Annual Meeting of the American Agricultural Economics Association, 24-27 July, Providence, Rhode Island.
80. Qaim, M., I. Matuschke (2004). Economics of GM Crops: An International Perspective. Invited Plenary Paper at the Conference on Biotechnology and India's Development, November 22-24, Institute for Social and Economic Change, Bangalore, India.
81. Qaim, M. (2000). Globalization and Biotechnology: Risks and Opportunities for Farmers and Consumers. Invited Plenary Talk at the 24<sup>th</sup> IAAE Conference (International Association of Agricultural Economists), 13 August, Berlin.

**Contributed Papers at Academic Conferences: Around 120**

**Lectures at Seminars and Other Events: Around 220**