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EDUCATION

2002	PhD, Iowa State University, Sociology
1999	MS, Iowa State University, Rural Sociology
1997	BA, University of Iowa, Sociology

CURRENT ACADEMIC POSITIONS

2023-present	Chair (Interim), Department of Sociology
2022-present	Co-Director, Food Systems Institute for Research, Engagement and Learning
2022-present	Food Systems Specialist, Office of Engagement and Extension, 2022-present
2020-present	Editorial Board, <i>The Sociological Quarterly</i>
2020-present	Editorial Board, <i>Sociologia Ruralis</i>
2020-present	Visiting Professor, Ruralis Research Institute, Trondheim, Norway
2019-present	Co-Editor, <i>British Food Journal</i>
2019-present	Editorial Board, <i>International Journal of Sociology of Agriculture and Food</i>
2019-present	Honorary International Consultant, Editorial Board, Chinese Agriculture University Book Series on Rural Sociology.
2017-present	PhD Referee/Examiner of Senior Faculty Appointments, University of Sargodha, Pakistan
2017-present	Associate Editor, <i>Sustainability</i>
2015-present	Special Academic Unit (SAU) faculty member, School of Global Environmental Sustainability (SoGES), Colorado State University
2014-present	Research Affiliate, Centre for Sustainability, University of Otago, Dunedin, New Zealand
2013-present	Professor of Sociology
2012-present	Co- Editor, <i>Journal of Rural Studies</i>

PAST ACADEMIC POSITIONS

2020-2022	Associate Dean for Faculty Development, College of Liberal Arts
2019-2020	Fulbright Research Chair, University of Ottawa, Ottawa, Canada
2017-2020	Associate Editor, <i>Society and Natural Resources</i>
2016-2022	Associate Dean for Research, College of Liberal Arts
2016-2020	Professor of Political Science (Status-Only), University of Toronto
2018-2018	Hood Fellow, University of Auckland, Auckland, New Zealand
2017-2020	Associate Dean for Graduate Affairs, College of Liberal Arts
2016-2018	One Health Strategic Advisory Committee, Colorado State University
2012-2016	Chair, Department of Sociology
2007-2013	Associate Professor of Sociology, Colorado State University

2008-2010 Advisory Board Member, Institute for the Study of Energy and Our Future (ISEOF), Colorado State University.

2008-2010 Core Team Member (Founding Member), Livestock and Environment Institute (LEI), Colorado State University

2004-2007 Assistant Professor of Sociology, Colorado State University

2002-2004 Assistant Professor of Sociology and Environmental Studies, Whitman College

2002 Research Fellow, Environmental Policy Department, Wageningen University

AREAS OF SPECIALIZATION

Environmental Sociology, Sociology of Technology and Scientific Knowledge, Environmental Policy, Sociology of Law, Sociology of Food Systems and Agriculture

PUBLISHED WORKS

Books:

Carolan, Michael 2024 (in press) *The Real Cost of Cheap Food*, 3rd edition New York: Routledge.

Carolan, Michael 2024 (in press) *Society and Environment: Pragmatic Solutions to Ecological Issues*, 4rd edition. New York: Routledge.

Carolan, Michael. 2021. *A Decent Meal: Building Empathy in a Divided America*. Stanford, CA: Stanford University Press/Redwood Press.

** Gold Medal in the 2022 Independent Publisher Book Awards (IPPYs), in the “Current Events II (Social Issues/Humanitarian) Category”

** Top award at the Frankfurt Book Fair—“getAbstract 2022 International Book Award” in the “Business Impact Category.”

Carolan, Michael 2021. *Sociology of Food and Agriculture Third edition*. New York: Routledge.

Carolan, Michael 2020. *Society and Environment: Pragmatic Solutions to Ecological Issues*, 3rd edition, Westview Press.

Duncan, Jessica, Michael Carolan, and Han Wiskerke eds. 2020. *Handbook of Sustainable and Regenerative Food Systems* New York: Routledge.

Legun, Katharine, Michael Bell, and Michael Carolan eds. 2020. *The Cambridge Handbook of Environmental Sociology*. London; New York: Cambridge University Press.

Carolan, Michael 2018. *The Food Sharing Revolution: How Start-Ups, Pop-Ups, and Co-Ops are Changing the Way We Eat*. Washington, DC: Island Press.

Carolan, Michael 2018. *The Real Cost of Cheap Food, Second edition* New York: Routledge.

Carolan, Michael 2011 *The Real Cost of Cheap Food, First edition* Earthscan/ Routledge

**Korean Language Edition published in 2016 by Open Books Publishers

Carolan, Michael 2017. *No One Eats Alone: Food as a Social Enterprise*. Washington, DC: Island Press.

Carolan, Michael 2016. *Society and Environment: Pragmatic Solutions to Ecological Issues*, 2nd edition, Westview Press.

Carolan, Michael 2016. *The Sociology of Food and Agriculture*, 2nd edition Earthscan/ Routledge.

**Korean Language Edition published in 2014 by TABI Publishing w/ *new Preface for Korean audience*

**Chinese Language Edition published in 2021 by The Commercial Press, Ltd

Le Heron, Richard, Hugh Campbell, Nick Lewis, and Michael Carolan eds. 2016 *Biological Economies: Experimentation and the Politics of Agrifood Frontiers* New York; London: Routledge.

Stock, Paul, Michael Carolan, and Chris Rosin eds. 2015. *Food Utopias: Reimagining Citizenship, Ethics and Community*. New York; London: Routledge.

Carolan, Michael 2014. *Cheaponomics: The High Cost of Low Prices*. Earthscan/Routledge

**German Language Edition published in 2015 by Oekom Verlag GmbH.

**French Language Edition published in 2015 by De Boeck Supérieur.

** Korean Language Edition under negotiation with Open Books Publishers

Carolan, Michael 2013. *Reclaiming Food Security*. Earthscan/Routledge.

Carolan, Michael S. 2011. *Embodied Food Politics*. Ashgate Publishing, pp.198.

Carolan, Michael S. 2010. *Decentering Biotechnology: Assemblages Built and Assemblages Masked*. Ashgate Publishing, pp. 200.

Carolan, Michael. S. 2010. *A Sociological Look A Biofuels: Understanding the Past/Prospects for the Future*. Nova Science Publishers, pp. 135.

Bell, Michael with Carolan, Michael, 2011, *An Invitation to Environmental Sociology*, 4th ed. Newbury Park, CA: Pine Forge Press (Sage), pp. 388.

Bell, Michael with Carolan, Michael, 2008, *An Invitation to Environmental Sociology*, 3rd ed. Newbury Park, CA: Pine Forge Press (Sage), pp. 388.

Bell, Michael with Carolan, Michael, 2004, *An Invitation to Environmental Sociology*, 2nd ed. Newbury Park, CA: Pine Forge Press (Sage), pp. 344.

Refereed Articles:

Hale, James, Aiden Irish, Michael Carolan, Jill Clark, Shoshanah Inwood, Becca B.R. Jablonski, Tom Johnson in press. A systematic review of cultural capital in U.S. community development research. *Journal of Rural Studies*

Carolan, Michael. 2023. When Justifications are Mistaken for Motivations: COVID-related Dietary Changes at the Food-Health Decision-Making Nexus. *Agriculture and Human Values* <https://doi.org/10.1007/s10460-023-10491-x>

Carolan, Michael, James Hale, Hilde Bjørkhaug, Angga Dwiartama, Maki Hatanaka, Midori Hiraga, Katharine Legun, Allison Loconto, Steven Wolf 2023. A Front Porch for Critical Agrifood Studies: Engagement Across the “Food System” Boundaries. *International Journal of Sociology of Agriculture and Food* <https://doi.org/10.48416/ijfsaf.v28i2.504>

Rose, David, Hannah Budge, Michael Carolan, Jilly Hall, Conor Hammersley, Jorie Knook, Matt Loble, Caroline Nye, Alexis O’ Reilly, Faye Shortland, Rebecca Wheeler 2023. Farming wellbeing through and beyond COVID-19: stressors, gender differences, and landscapes of support. *Sociologia Ruralis* <https://doi.org/10.1111/soru.12425>

Carolan, Michael 2023. The Perilous Promise of Productivity: Affective Politics of Farming Media and its Consequences for the Future of Agriculture. *New Media and Society*, <https://doi.org/10.1177/14614448231174521>

Carolan, M. 2022. Just-in-Case Transitions and the Pursuit of Resilient Food Systems: Enumerative Politics and What It Means to Make Care Count. *Agriculture and Human Values* <https://doi.org/10.1007/s10460-022-10401-7>

Carolan, M. 2022. Taking Communities into the Groan Zone: Subjective Wellbeing in the Face of Demographic Change, Racial Diversity, and Political Difference. *Rural Sociology* <https://doi.org/10.1111/ruso.12472>.

Carolan, M. 2022. Digital Agriculture Killjoy: Happy Objects and Cruel Quests for the Good Life. *Sociologia Ruralis* <https://doi.org/10.1111/soru.12398>

McGreevy, S., D. Christoph, D. Rupperecht, D. Niles, A. Wiek, M. Carolan, G. Kallis, K. Kantamaturapoj, A. Mangnus, P. Jehlička, O. Taherzadeh, M. Sahakian, I. Chabay, A. Colby, J-L Vivero-Pol, R. Chaudhuri, M. Spiegelberg, M. Kobayashi, B. Balázs, K. Tsuchiya, C. Nicholls, K. Tanaka, J. Vervoort, M. Akitsu, H. Mallee, K. Ota, R. Shinkai, A. Khadse, N. Tamura, K. Abe, M. Altieri, Y-I Sato, M. Tachikawa 2022. Sustainable Agrifood Systems for a Post-Growth World. *Nature Sustainability* <https://doi.org/10.1038/s41893-022-00933-5>

Jablonski, Becca, Sahar Toulabi, David Holm, Michael Carolan, and Adam Heuberger 2022. Grower decision-making factors in adoption of specialty cultivars: A case study of potatoes in the San Luis Valley. *PLOS One* <https://doi.org/10.1371/journal.pone.0270636>

Fielke, Simon, Kelly Bronson, Michael Carolan, Callum Eastwood, Vaughan Higgins, Emma Jakku, Laurens Klerkx, Ruth Nettle, Áine Regan, David Rose, Leanne Townsend, Steven Wolf. 2022. A call to expand disciplinary boundaries so that social scientific imagination and practice are central to quests for ‘responsible’ digital agri-food innovation. *Sociologia Ruralis* <https://doi.org/10.1111/soru.12376>

- Carolan, Michael. 2022. Presences and Absences in Food Systems Depictions: A Systematic Visual Content Analysis, *Food Security* <https://doi.org/10.1007/s12571-022-01295-8>
- Carolan, Michael. 2022. It's About Time: Temporal and Spatial Fixes find Vertical Farms and Local Food in the Shadow of COVID-19, *Journal of Peasant Studies* <https://doi.org/10.1080/03066150.2022.2082287>
- Veisi, Hadi, Michael Carolan, Ali Alipour, and Anahita Valiollahi Beshi 2022. Competing fields in sustainable agriculture: On farmer-expert understandings of good farming, good farmers and organic farming *International Journal of Agricultural Sustainability* 3(2): 289-301. 10.1080/14735903.2021.1929740
- Blessing, N-M, S. Vanek, M. Carolan, J. Ojiem, and S. Fonte 2021. Organic nutrient source allocation and use in smallholder farming communities: What are we missing? *Frontiers in Sustainable Food Systems* <https://doi.org/10.3389/fsufs.2021.692981>
- Carolan, Michael. 2021. What is Driving Consumer Food Waste: Socio-material Assemblages of Household Consumption Practices. *Appetite* <https://doi.org/10.1016/j.appet.2021.105478>
- Carolan, Michael 2021. Practicing Social Change During COVID-19: Ethical Food Consumption and Activism Pre- and Post-Outbreak. *Appetite* <https://doi.org/10.1016/j.appet.2021.105206>
- Carolan, Michael. 2021. COVID-19's Impact on Gendered Household Food Practices: Eating and Feeding as Expressions of Competencies, Moralities, and Mobilities. *Sociological Quarterly* <https://doi.org/10.1080/00380253.2020.1870415>
- Carolan, Michael. 2021. Digital Urban Agriculture as Disparate Development: The Future of Food in Three US Cities Through the Lens of Stakeholder Perceptions, Networks and Resource Flows. *William & Mary Environmental Law and Policy Review* 45: 637-664.
- Hale, James, Carolan, Michael, Meagan Schipanski. 2020. Just Wheat Transitions?: Working Toward Constructive Structural Changes in Wheat Production. *Local Environment* <https://doi.org/10.1080/13549839.2020.1861591>
- Carolan, Michael. 2020. Digitization as Politics: Smart Farming Through the Lens of Weak and Strong Data. *Journal of Rural Studies* <https://doi.org/10.1016/j.jrurstud.2020.10.040>
- Jablonski, Kevin, Jasmine Dillon, James Hale, Becca Jablonski, and Michael Carolan. 2020. One place doesn't fit all: Improving the effectiveness of sustainability standards by accounting for place *Journal: Frontiers in Sustainable Food Systems, section Agroecology and Ecosystem Services* <https://doi.org/10.3389/fsufs.2020.557754>
- Carolan, Michael. 2020. Putting food access in its topological place: Thinking in terms of relational becomings when mapping space. *Agriculture and Human Values* <https://doi.org/10.1007/s10460-020-10149-y>
- Carolan, Michael. 2020. Acting Like an Algorithm: Digital Farming Platforms and the Trajectories They (Need Not) Lock-in. *Agriculture and Human Values* <https://doi.org/10.1007/s10460-020-10032-w>
- Carolan, Michael. 2020. "They Say They Don't See Color, But Maybe They Should!"

Authoritarian Populism and Colorblind Liberal Political Culture, *Journal of Peasant Studies*
<https://doi.org/10.1080/03066150.2020.1739654>

Carolan, Michael 2020 Automated agrifood futures: robotics, labor and the distributive politics of digital agriculture, *The Journal of Peasant Studies*, 47:1, 184-207, DOI: 10.1080/03066150.2019.1584189

Carolan, Michael, 2020. Ethical Eating as Experienced by Consumers and Producers: When Good Food Meets Good Farmers, *Journal of Consumer Culture*
<https://doi.org/10.1177/1469540519899967>

Carolan, Michael. 2019. Filtering Perceptions of Climate Change and Biotechnology: Values and Views among Colorado Farmers and Ranchers, *Climatic Change* <https://doi.org/10.1007/s10584-019-02625-0>

Carolan, Michael 2019. "Urban Farming is Going High Tech": Digital Urban Agriculture's Links to Gentrification and Land Use, *Journal of the American Planning Association*
<https://doi.org/10.1080/01944363.2019.1660205>

Carolan, Michael. 2019. Rural Sociology Revival: Engagements, Enactments, and Affectments for Uncertain Times, *Sociologia Ruralis* DOI: 10.1111/soru.12284

Rosenzweig, Steven, Michael Carolan, and Meagan Schipanski 2019. A dryland cropping revolution? Linking an emerging soil health paradigm with shifting social fields among wheat growers of the High Plains, *Rural Sociology* DOI: 10.1111/ruso.12304

Carolan, Michael 2019. The Rural Problem: Justice in the Countryside, *Rural Sociology* forthcoming <https://doi.org/10.1111/ruso.12278>

Carolan, Michael. 2019. Capitalizing on Financing Ecologies: The World Making Properties of Peer-to-Peer Lending Through Everyday Entrepreneurship. *Geoforum* 102: 17-26
<https://doi.org/10.1016/j.geoforum.2019.03.014>

Jablonski, Becca, Michael Carolan, James Hale, Dawn Thilmany-McFadden, Erin Love, Libby Christensen, Tabitha Covey, Laura Bellows, Rebecca Cleary, Olaf David, Kevin E. Jablonski, Andrew S. Jones, Paul Meiman, Jason Quinn, Elizabeth P. Ryan, Meagan Schipanski, Hailey Summers, Mark Uchanski. 2019. *Sustainability* 11 doi:10.3390/su11072022

Hale, James, Katharine Legun, Hugh Campbell, Michael Carolan. Social Sustainability Indicators as Performance. 2019 *Geoforum* 103: 47-55 <https://doi.org/10.1016/j.geoforum.2019.03.008>

Carolan, Michael 2018. Lands Changing Hands: Experiences of Succession and Farm (Knowledge) Acquisition among First-Generation, Multigenerational, and Aspiring Farmers, *Land Use Policy* 79: 179-89, <https://doi.org/10.1016/j.landusepol.2018.08.011>.

Hales, James and Michael Carolan 2018. Framing cooperative development: The bridging role of cultural and symbolic value between human and material resources, *Community Development*, 49(4): 360-79, <https://doi.org/10.1080/15575330.2018.1491614>

Nogueire-McRae, T., E. Ryan, B. Jablonki, M. Carolan, H. Arathi, C. Brown, H. Honarchian, S. McKeen, E. Lapansky, and M. Schipanski. 2018. The Role of Urban Agriculture in a Secure, Healthy, and Sustainable Food System, *BioScience* 1-12, <https://doi.org/10.1093/biosci/biy071>

Hale, James and Michael Carolan 2018. Cooperative or Uncooperative Co-Operatives? Digging into the Process of Cooperation in Food and Agriculture Co-Operatives, *Journal of Agriculture, Food Systems, and Community Development*, <https://doi.org/10.5304/jafscd.2018.081.011>

Carolan, Michael 2018. Justice Across Real and Imagined Food Worlds: Rural Corn Growers, Urban Agriculture Activists and the Political Ontologies They Live By, *Rural Sociology*, <https://doi.org/10.1111/ruso.12211>

Carolan, Michael 2018. Big Data and Food Retail: Nudging out Citizens By Creating Dependent Consumers, *Geoforum* 90, pp.142-150.

Carolan, Michael 2018. "'Smart' Farming Techniques as Political Ontology: Access, Sovereignty and the Performance of Neoliberal and Not-So-Neoliberal Worlds, *Sociologia Ruralis* DOI: 10.1111/soru.12202

Milone, P., T. Fuller, F. Ventura, J. D. van der Ploeg, T. Marsden, S. Schneider, J. Ye, M. Carolan, S. Scott, and N. Monllor I. Rico. 2018. Constructing a New Framework for Rural Development, *Journal of Rural Studies* 57(January), pp. 78-87.

Carolan, M., 2017. Unifying by multiplying: The struggle to feel value across (hopeful?) capitalist natures. *Dialogues in Human Geography*, 7(3), pp.323-325.

Carolan, Michael 2017, Agro-Digital Governance and Life Itself: Food Politics at the Intersection of Code and Affect. *Sociologia Ruralis*, 57: pp-pp. doi:10.1111/soru.12153

Houser, Matthew, Diana Stuart, and Michael Carolan 2017. Is seeing believing? Applying a realist framework to examine agriculture and climate change, *Environmental Sociology* 3(4): 321-336.

Veisi, Hadi, Michael Carolan, and Ali Alipour 2017. Exploring the Motivations and Problems of Farmers for Conversion to Organic Farming in Iran, *International Journal of Agricultural Sustainability* 15(3), pp.303-320.

Carolan, Michael 2017. "More-Than-Active Food Citizens: A Longitudinal and Comparative Study of Alternative and Conventional Eaters" *Rural Sociology* 82(2), pp.197-225.

Carolan, Michael 2017. Publicising Food: Big data, precision agriculture, and co-experimental techniques of addition. *Sociologia Ruralis*. 57(2), pp.135-154

Boonman-Bersen, Susan, Esther Turnhout, and Michael Carolan 2016. "Common Sensing: Human-black bear cohabitation practices in Colorado," *Geoforum* DOI: 10.1016/j.geoforum.2016.06.010.

Carolan, Michael and James Hale. 2016. "Growing" Communities with Urban Agriculture: Generating Value Above and Below Ground, *Community Development* 47(4), pp.530-545.

Carolan, Michael 2016 Adventurous Food Futures: Knowing About Alternatives Is Not Enough, We Need To Feel Them, *Agriculture and Human Values* 33(1): 141-152

Carolan, Michael and Diana Stuart 2016 Get Real: Climate Change and all that “It” Entails, *Sociologia Ruralis* 56(1): 74–95.

Carolan, Michael 2015. Affective Sustainable Landscapes and Care Ecologies: Getting a Real Feel for Alternative Food Communities, *Sustainability Science* 10: 317-329.

Carolan, Michael 2014 Getting to the Core of Food Security and Food Sovereignty: Relationality with Limits? *Dialogues in Human Geography* 4(2), pp. 218-220.

Michael K. Goodman, Cornelia Butler Flora, Emma J. Roe, Josée Johnston, Richard Le Heron, Michael S. Carolan 2014. Michael Carolan’s Embodied Food Politics, *Journal of Rural Studies* 34, pp. 272-281.

Carolan, Michael 2014. Future Food “Needs”: From Consumer to Citizen Choice, *Sociologia Ruralis*.54(1), pp. 98-100.

Carolan, Michael 2013. Doing and Enacting Economies of Value: Thinking Through the Assemblage, *New Zealand Geographer* 69(3), pp. 176-179

Carolan, Michael 2013. Putting the ‘Alter’ in Alternative Food Futures, *NewZealand Sociology* 28(4), pp. 145-50

Carolan, Michael 2013. The Wild Side of Agrifood Studies: On Co-Experimentation, Politics, Change, and Hope, *Sociologia Ruralis* 53(4), pp. 413-431

Carolan, Michael 2012. The Food and Human Security Index: Rethinking Food Security and “Growth”, *International Journal of Sociology of Agriculture and Food*, 19(2), pp. 176-200.

Cobb, Ashley and Michael S. Carolan. 2011. Public Attitudes to Climate Change: Their Origins and Significance in Mitigation and Adaptation, *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources* 6(7), pp. 1-12.

Carolan, Michael S. 2011. When Does Science Become ‘Junk’: An Examination of Junk Science Claims in Mainstream Print Media, *International Journal of Sustainable Society* 3(2), pp. 116-132.

Carolan, Michael S. 2010. Sociological Ambivalence and Climate Change, *Local Environment* 15(4), pp. 309-321.

Carolan, Michael S. 2010. Ethanol’s Most Recent Breakthrough in the United States: A Case of Socio-Technical Transition, *Technology in Society* 32(2), pp. 65-71.

Carolan, Michael S. 2010. The Mutability of Biotechnology Patents: From Unwieldy Products of Nature to Independent “Object/s”, *Theory, Culture and Society* 27(1), pp. 110-129.

Carolan, Michael S. 2009. The Problems with Patents: A Less Than Optimistic Reading of the Future, *Development and Change* 40(2), pp. 361-88.

- Carolan, Michael S. 2009, Process Sub-Politics: Placing Empirical Flesh on Whiteheadian Thought, *Ethics, Place and Environment* 12(2), pp. 187-203.
- Carolan, Michael S. 2009. The Cost and Benefits of Biofuels: A Review of Recent Peer-Reviewed Research and a Sociological Look Ahead, *Environmental Practice* 11(1), pp. 17-24.
- Carolan, Michael S. 2009 Ethanol versus Gasoline: The Contestation and Closure of a Socio-Technical System in the United States, *Social Studies of Science* 39(3), pp. 421-48.
- Carolan, Michael S. 2009 A Sociological Look at Biofuels: Ethanol in the Early Decades of the 20th Century and Lessons for Today, *Rural Sociology* 74(1), pp. 86-112.
- Carolan, Michael S. 2009 This is not a Biodiversity Hotspot: The Power of Maps and Other Images in the Environmental Sciences, *Society and Natural Resources* 22(3), pp. 278-86.
- Carolan, Michael S. 2009 I Do Therefore There is: Enlivening Socio-Environmental Theory, *Environmental Politics* 18(1), pp. 1-17.
- Carolan, Michael S. 2008 Is it a Distinct Subspecies? Preble's Mouse and the 'Best Available Science' Mandate of the Endangered Species Act, *Society and Natural Resources* 21(10), pp. 944-51.
- Carolan, Michael S. 2008 Constructing the "Pure" Inventor: Individual, Collective, and Corporate Authorship within Patent Law, *New Genetics and Society* 27(4), pp. 301-10.
- Carolan, Michael S. 2008 From Patent Law to Regulation: The Ontological Gerrymandering of Biotechnology, *Environmental Politics* 17(5), pp. 749-65.
- Carolan, Michael S. 2008 Making Patents and Intellectual Property Work: The Asymmetrical Harmonization of TRIPS, *Organization and Environment* 21(3), pp. 295-310.
- Carolan, Michael S. 2008 The More-Than- Representational Knowledge/s of Countryside: How We Think As Bodies, *Sociologia Ruralis* 48(4), pp. 408-22.
- Carolan, Michael S. 2008 The Bright and Blindspots of Science: Why Objective Science is not Enough to Resolve Environmental Controversies, *Critical Sociology* 34(4), pp. 725-40.
- Carolan, Michael S. 2008 Democratizing Knowledge: Sustainable and Conventional Agricultural Field Days as Divergent Democratic Forms, *Science, Technology and Human Values* 33(4), pp. 508-528.
- Carolan, Michael S. 2008 When Good Smells Go Bad: A Socio-Historical Understanding of Agricultural Odor Pollution, *Environment and Planning A* 40(5), pp. 1235-49.
- Carolan, Michael S. 2008 The Politics in Environmental Science: Examining the Endangered Species Act and the Preble's Mouse Controversy, *Environmental Politics* 17(3), pp. 449-465.
- Carolan, Michael S. 2008. The Multidimensionality of Environmental Problems: The GMO Controversy and the Limits of Scientific Materialism, *Environmental Values* 17, pp. 67-82.

- Carolan, Michael S. 2008 An Ecological Politics of Everyday Life: Placing Flesh on Whitehead's Process Philosophy in Search of "Green" Possibilities, *Worldviews: Global Religions, Culture, and Ecology* 12(1), pp. 51-73.
- Carolan, Michael S. 2007 Mapping Biotechnology: From Epistemic Artifacts to Geographies of Control, *Nature and Culture* 2, pp. 115-38.
- Carolan, Michael S. 2007 Introducing the Concept of Tactile Space: Creating Lasting Social and Environmental Commitments, *Geoforum* 38, pp. 1264-1275.
- Carolan, Michael S. 2007 Making Scents out of Changing Spatial Geographies: A Closer Look at the Animal-Human-Fecal Relationship, *Local Environment: The International Journal of Justice and Sustainability* 12, pp. 397-407.
- Carolan, Michael S. 2007 Saving Seed, Saving Culture: A Case Study of a Heritage Seed Bank. *Society and Natural Resources* 20, 739-50.
- Carolan, Michael S. 2007 The Precautionary Principle and Traditional Risk Assessment: Rethinking How We Assess and Mitigate Environmental Threats, *Organization and Environment*, 20, pp. 5-24
- Carolan, Michael S. 2007. One Step Forward, Two Steps Back: Flood Management Policy in the United States. *Environmental Politics*, 16, pp. 36-51.
- Carolan, Michael S. 2006, Scientific Knowledge and Environmental Policy: Why Science Needs Values, *Environmental Sciences: The Journal of Integrative Environmental Research*, 3, pp. 229 - 237.
- Carolan, Michael S., 2006, The Values and Vulnerabilities of Metaphors within the Environmental Sciences, *Society and Natural Resources*, 19, pp. 921 - 930.
- Carolan, Michael S., 2006, Sustainable Agriculture, Science, and the Co-Production of 'Expert' Knowledge: The Value of Interactional Expertise, *Local Environment: The International Journal of Justice and Sustainability*, 11, pp. 421-31.
- Carolan, Michael S., 2006, Conserving Nature, but to what End? A Look at Conservation Policies and the Ecologies they Support, *Organization and Environment*, 19, pp. 153-70.
- Carolan, Michael S., 2006, Do you See What I See? Examining the Epistemic Barriers to Sustainable Agriculture, *Rural Sociology*. 71, pp. 232-60.
- Carolan, Michael S., 2006, Ecological Representation in Deliberation: The Contribution of Tactile Spaces, *Environmental Politics*, 15, pp. 345-61.
- Carolan, Michael S., 2006, Science, Expertise, and the Democratization of the Decision-Making Process, *Society and Natural Resources*, 19, pp. 661-8.
- Carolan, Michael S., 2006, Social Change and the Adoption and Adaptation of Knowledge Claims: Whose Truth do you Trust in regard to Sustainable Agriculture?, *Agriculture and Human Values*, 23, pp. 270-85.

Carolan, Michael S., 2006, Risk, Trust and 'The Beyond' of the Environment: A Brief Look at the Recent Case of Mad Cow Disease in the United States. *Environmental Values*, 15, pp. 233-52.

Carolan, Michael S., 2005, Society, Biology, and Ecology: Bringing Nature back into Sociology's Disciplinary Narrative through Critical Realism, *Organization and Environment*, 18, pp. 393-421.

Carolan, Michael S., 2005, Barriers to the Adoption of Sustainable Agriculture on Rented Land: An Examination of Contesting Social Fields, *Rural Sociology*, 70, pp. 387-413.

Carolan, Michael S., 2005, The Disciplining of Nature: The Homogenizing and Constraining Forces of Anti-Markets on the Food Chain, *Environmental Values*, 14, pp. 363-87.

Carolan, Michael S., 2005, Realism without Reductionism: Toward an Ecologically Embedded Sociology, *Human Ecology Review*, 12, pp. 1-20.

Carolan, Michael S., 2005, The Conspicuous Body: Capitalism, Consumerism, Class, and Consumption, *Worldviews: Environment, Culture, Religion*, 9, pp. 82-111.

Carolan, Michael S., 2004, Ontological Politics: Mapping a Complex Environmental Problem, *Environmental Values*, 13, pp. 497-522.

Carolan, Michael S., 2004, Unmasking the Commodity Chain, *Peace Review: A Journal of Social Justice*, 16, pp. 193-199.

Carolan, Michael S., Diane Mayerfeld, Michael M. Bell, and Rick Exner, 2004, Rented Land: Barriers to Sustainable Agriculture, *Journal of Soil and Water Conservation*, 59, pp. 70A-75A.

Carolan, Michael S., 2004, Ecological Modernization Theory: What about Consumption?, *Society and Natural Resources*, 17, pp. 247-260

Carolan, Michael S., 2004, Ecological Modernization and Consumption: A Reply to Mol and Spaargaren, *Society and Natural Resources*, 17, pp. 267-270.

Carolan, Michael S. and Bell, Michael M., 2003, In Truth we Trust: Discourse, Phenomenology and the Social Relations of Knowledge, *Environmental Values*, 12, pp. 225-45.

Carolan, Michael S., 2003, Who's Growing You?, *Peace Review: A Journal of Social Justice*, 15, pp. 99-103.

Carolan, Michael S., 2002, Examining the Barriers to the Adoption of Sustainable Agriculture, *Social Insight: Knowledge at Work*, 7, pp. 16-19.

Kremer, Kathy S., Michael Carolan, Stephen Gasteyer, S. Noor Tirmizi, Peter F. Korsching, Gregory Peter, and Pingsheng Tong, 2001, Evolution of an Agricultural Innovation: The N-Trak Soil Nitrogen Test -- Adopt and Discontinue, or Reject?, *Technology and Society*, 23, pp. 93-108.

Book Chapters:

Carolan, Michael. 2021. Junk Food. Wiley Blackwell Encyclopedia of Sociology, 2nd

- Carolan, Michael 2018. Food Systems, In *Companion to Environmental Studies* New York: Routledge.
- Carolan, Michael 2017. Big Data, Weak Data and the Politics of Agrifood Frontiers, In *Agri-environmental governance as an assemblage: Multiplicity, power, and transformation*, edited by Jeremie Forney, Chris Rosin, and Hugh Campbell, New York: Routledge.
- Carolan, Michael 2016. Policies and Food Security, In *Sustainable Proteins*, edited by Sudarshan Nadathur, Janitha Wanasundara, and Laurie Scanlin., London: Elsevier.
- Nadathur, Sudarshan and Michael Carolan 2016 Flavors, Taste Preferences, and the Consumer: Taste Modulation, and Influencing Change in Dietary Patterns for a Sustainable Earth. In *Sustainable Proteins*, edited by Sudarshan Nadathur, Janitha Wanasundara, and Laurie Scanlin., London: Elsevier.
- Carolan, Michael 2016. Food Security Futures. In *The Routledge International Handbook of Food and Environment: Towards Sustainable Food Systems*, edited by Colin Sage. London; New York: Routledge.
- Nick Lewis, Le Heron, Richard, Carolan, Michael, Hugh Campbell, and Terry Marsden 2016 Introduction: Assembling Generative Approaches in Agrifood Research, In *Biological Economies: Experimentation and the Politics of Agrifood Frontiers*, Routledge.
- Hugh Campbell, Le Heron, Richard, Michael Carolan, and Nick Lewis 2016 Conclusion: Biological Economies as an Academic and Political Project, In *Biological Economies: Experimentation and the Politics of Agrifood Frontiers*, Routledge.
- Rosin, Chris, Paul Stock and Michael Carolan 2016 Food Utopias: Performing Emergent Scholarship and Agrifood Futures, In *Biological Economies: Experimentation and the Politics of Agrifood Frontiers* edited by LeHeron et al. Routledge.
- Carolan, Michael 2016. The Very Public Nature of Agrifood Scholarship, and its Problems and Possibilities, In *Biological Economies: Experimentation and the Politics of Agrifood Frontiers*, edited by LeHeron et al. Routledge.
- Stock, Paul, Chris Rosin, and Michael Carolan 2015. Food as mediator: opening the dialogue around food. In *Food Utopias: An Invitation to a Food Dialogue*. edited by P. Stock, M. Carolan, and C. Rosin, pp. 219-225, New York; London: Routledge.
- Carolan, Michael 2015 Re-Wilding Food Systems: Re-Wilding Food Systems: Visceralities, Utopias, Pragmatism, and Practice, In *Food Utopias: An Invitation to a Food Dialogue*. edited by P. Stock, M. Carolan, and C. Rosin, pp. 126-139, New York; London: Routledge.
- Stock, Paul, Michael Carolan, and Chris Rosin 2015 Food utopias: Hoping the future of agriculture, In *Food Utopias: An Invitation to a Food Dialogue*. edited by P. Stock, M. Carolan, and C. Rosin, pp. 3-13, New York; London: Routledge.

Stock, Paul and Michael Carolan. 2011. A Utopian Perspective on Global Food Security, In *Systems Failure: The Global Food Crisis and the Future of Agriculture*, edited by Christopher Rosin, Hugh Campbell, and Paul Stock, Pp. 114-127, Earthscan Publishing

Carolan, Michael S. 2009. Towards a Process Orientated Sociological Imagination, In *Applied Process Thought II: Following a Trail Ablaze*, edited by Mark Dibben and Rebecca Newton, pp 319-340, The Netherlands: Verlag.

Carolan, Michael S. and Bell, Michael M., 2004, No Fence Can Stop It: Debating Dioxin Drift from a Small US Town to Artic Canada, In: *Science and Politics in the International Environment* (edited by Neil Harrison and Gary Bryner), New York: Rowman and Littlefield Publishing, pp. 385-422.

NOTABLE INVITED PROFESSIONAL LECTURES

2023. University Lecture. Reflections on “Thinking” and the Role of Humility in Sustainability Science, Gothenburg University, Gothenburg, Sweden, September 22.

2023. University Lecture. Digital Transformations: Just in Case Supply Chains and the Future of Food Systems. University of Ottawa, Ottawa, Canada February 2nd.

2022. University Lecture, Not the "Whole Picture": Reimagining Food Systems to Account for What We Don't Know, Iowa State University, Iowa, Oct 31.

2022. Keynote Address. Agriculture 4.0: Challenges, Disruptions, and Change. 22nd Annual International Symposium on Food Systems Transitions, Melbourne, Australia, August 2-6

2022. Keynote Address. Rural development and the complexities of Wellbeing. International I Symposium on Changing Countryside, Sao Paulo Brazil, June 12-14

2021. Keynote Address, Digital Urban Agriculture as Disparate Development: The Future of Food in Three US Cities Through the Lens of Stakeholder Perceptions, Networks and Resource Flows. Sustainability in the City Symposium, William & Mary Law School, Williamsburg, Virginia, Feb 12th.

2021. Keynote Address, Food Journeys: Encounters that Engender Empathy across Difference, RIHN 15th International Symposium Transitioning Cultures of Everyday Food Consumption and Production: Stories from a Post-growth Future, Kyoto, Japan, Jan 16.

2019, Keynote Address, Rural Challenges in the Face of Neoliberal Decay, International Symposia, Rotterdam, Netherlands, November 11-14.

2019, Keynote Address, Digital Assemblages: Smart Agriculture and their Distributed Ontologies, International Workshop, Neuchatel, Switzerland September 12-14

2019, Inaugural Fulbright Distinguished Research Chair Lecture, Ottawa, Canada, September 3.

2019, European Society for Rural Sociology annual meetings, Keynote Address, Trondheim, Norway, on 25-28 June, 2019.

2018, 1st Annual International Symposium on Food Policy, Keynote Address, Kyoto University, Japan, October 29-31

2018, Food Security and Agro-environmental Governance, Plenary Address, 3rd International Conference on Agriculture and Food in an Urbanized Society, September 17-21, 2018 in Porto Alegre, Brazil, Federal University of Rio Grande do Sul.

2018, Rethinking Food Attitudes, Behaviours, and Food Systems, Distinguished Lecture Series, Chinese Academy of Social Science (CASS), Rethinking Food Attitudes, Behaviours, and Food Systems, Beijing, China, June 27

2017, Justice Across Real and Imagined Food Worlds: Rural Corn Growers, Urban Agriculture Activists and the Political Ontologies They Live By, Agrifood XXIV The 24th International Conference of Agri-food Research Network December 2-5, Institut Teknologi Bandung (ITB), Bandung, Indonesia.

2017, No One Eats Alone, University Lecture celebrating World Food Day, University of Toronto and Canadian Broadcasting Corporation, October 12, Toronto, Canada.

2017, Strong Data and Weak Resistance: Big Data, Precision Agriculture, and the Power of Change, University Neuchatel, September 13-15, Neuchatel, Switzerland.

2017, Making a Difference Through Food, Urban Land Institute, Keynote Address, August 16, Denver, CO.

2017, Big Data, Precision Agriculture, and Agrifood Imaginaries, Data Power Conference, Ottawa, Canada, June 22-23rd

2016, Distributive Imaginaries: Climate Change, Food, and the Possibilities Made Real through Anticipatory Action, Keynote Address, New Zealand Sociological Association Annual Meetings, Napier, New Zealand, November 22-24.

2016, Beyond dollars and micronutrients: Expanding our valuing (and evaluating) of alternative food networks, University Lecture Series, Utah State University, Logan, Utah, November, 16.

2016, From Governing the Commons to the Commons of Governing: Food Publics, Active Citizens, and Code, World Rural Congress, International Rural Sociological Association, Toronto, Canada, August 10-14.

2016. Weak Theory, Stronger Communities, and Vibrant Agro-Ecosystems, World Rural Congress, International Rural Sociological Association, Toronto, Canada, August 10-14.

2016, Plenary Address, "Thinking Sociologically About Controlled Environment Agriculture: Challenges and Opportunities, American Horticultural Society, Atlanta, GA, August 8th, 2016

2016, Keynote Address, "Food Citizenship: Rethinking Our Understanding of Civic & Resilient Food Systems" International Symposium on "Rethinking Food and Sustainability" Korea University, Seoul, South Korea, May 12, 2016

2016, Plenary Address, Food-Energy-Water Nexus Workshop (NSF funded), Lindfield College, McMinnville, OR, January 14-16.

2015. Keynote Address, Foodscapes of Friendship, Agrifood XXII Conference, Queenstown, New Zealand, Dec 6-9.

2014 Gastronomic Populism, Agrifood XXI Conference, Sydney, Australia, November 24-26.

2014 Keynote address, Thinking Sociologically about Food Safety: Who Are We Projecting and at What (and Whose) Expense, 1st International Conference on Food and Sustainability: Production, Consumption and Food Relations in Asia, City University of Hong Kong, October 14.

2014 Stuart, Diana and Michael Carolan, Applying a Realist Framework to Guide Socio-Environmental Research, American Sociological Association Annual Meetings, Environmental Sociology, Regular Session, August, San Francisco, CA.

2014, Keynote Address, Getting a Feel for Sustainability: A Realist Look at an Undiagnosed Driver, International Association of Critical Realism annual meetings, July 18-21, Institute of Education, University of London, London.

2014 Love, Hannah and Michael Carolan Navigating Interdisciplinary Research in Rocky Mountain National Park, Midwest Sociological Association Meetings, March, Omaha, NE

2014 Reclaiming Food Security, Distinguished Author Lecture Series, School of Global Environmental Sustainability, Colorado State University, March 4, 2014.

2014. Keynote Address, Financializations and their Contradictions: On Food, Property, and Patents,” Finance, Food and Farmland Conference, the Hague, the Netherlands, January 25, 2014.

2013 Exit, Voice and Co-experimentation: When Practices Make a Stand to Create New Food Futures, Agrifood XX Conference, Melbourne, Australia, December 2-5.

2013 Junk Food, *E. Coli*, and Genetically Modified Organisms: If We Are What We Eat Than What have We Become? Great Conversation Series, College of Liberal Arts, Colorado State University, November 8

2013 The Real Cost of Cheap Food, Lillian Foundation Smith Conference, Fort Collins, Colorado, June 13-14.

2013 Reclaiming Food Security, Department of Food Science and Human Nutrition, Department Lecture Series, February 14. .

2012, The Wild Side of Agrifood Studies: On Method, Co-Experimentation, and Change, Agrifood XIX Conference, Palmerston North, New Zealand, December 10-12.

2012, What Happen to the Agriculture Ladder? Knowledge, Agriculture and Local/Regional Food Systems in the Twenty First Century, Annual Harvest Seminar Invited Keynote Speaker, Washington State University, Northwestern Washington Research and Extension Center, Mount Vernon, Washington State, October 30.

2012, Reclaiming Food Security, Invited University Lecture, Washington State University, Northwestern Washington Research and Extension Center, Mount Vernon, Washington State, October 30.

2012, The Food and Human Security Index: Further Evidence You Can't Eat GDP, American Sociological Association Meetings, August 17-23, 2012, Denver, Colorado.

2012. Writing scholarship for a popular audience, writers workshop, University of Auckland, March 14, 2012, Auckland, New Zealand.

2012. Don't Eat That: Food Security, Well-being, and Ecological Sustainability, University Lecture, University of Auckland, March 13, 2012, Auckland, New Zealand.

2012. Embodied Food Politics, Research Seminar, University of Otago, March 12, 2012, Dunedin, New Zealand.

2012. The Real Cost of Cheap Food, University Lecture, University of Otago, March 11, 2012, Dunedin, New Zealand.

2012. Writing scholarship for a popular audience, writers workshop, Department of Sociology, Gender and Social Work, University of Otago, March 8, 2012, Dunedin, New Zealand.

2012. Author Meets Critics for Colin Sage's *Environment and Food*. Association of American Geographers, February 24-28, New York.

2012. Author Meets Critics for Michael Carolan's *Embodied Food Politics*, Association of American Geographers, February 24-28, New York.

2011, Keynote Speaker, 2011 REGSA Conference, University of Alberta, Edmonton, Canada, January.

2010, Lecture sponsored by the Institute for Livestock and the Environment (CSU) and the College of Agriculture (CSU), A Sociological Look at Biofuels—Understanding the Past/Prospects for the Future, January.

2009, Invited Panel Discussant for CSU Montfort Lecture, November.

2009, Invited Panel Discussant on Intellectual Property Rights and Development, University of California, Berkeley, School of Law, July.

2009, Invited Panel Discussant, Colloquium on Process Philosophy and Political Theory, Center for Process Studies, Claremont School of Theology and Claremont Graduate University, Claremont, CA, March.

2007, Invited Speaker, Biofuels Colloquium: Key Challenges and Opportunities, Colorado State University, Fort Collins, Co.

2007, Theoretical Perspectives in Environmental Sociology, Invited Discussant, Midwest Society Annual Meeting, Chicago, IL.

2006, The Future of Environmental Sociology, Invited Panelist to Speak on the Future of Environmental Sociology, American Sociological Association's Annual Meetings, Montreal, Canada.

2006, Ecological Citizenship and Tactile Space: The Epistemic Significance of the Lived Experience, Paper presented for Sustainable Consumption and Society, An International Working Conference for Social Scientists, Madison, Wisconsin.

2005, 'Seeing Genes': Seed Banks and the Preservation of Biodiversity—But Just what is Being Preserved?, Paper presented for the Annual Meeting of the Society for Social Studies of Science, Pasadena California.

2005, Science, Reflexivity and the 'Distancing of Nature': Toward a Pragmatic Assessment of Knowledge Claims. Paper presented for the 37th World Congress of the International Institute of Sociology and International Sociological Association Interim Conference, Research Committee 24 (Environment and Society), Stockholm Sweden.

2005, Risk, Trust and 'The Beyond' of the Environment: A Brief Look at the Recent Case of Mad Cow Disease in the United States, Paper presented for Midwest Sociology Meetings, Minneapolis, Minnesota.

2004, Nature and Society: A Critical Realist Look at Environmental Problems, Paper presented for Pacific Sociological Meetings, San Francisco, CA.

2004, Examining the Interrelationship between Society and Nature, Session I, Title of Session Chaired and Organized for the Pacific Sociological Meetings, San Francisco, CA.

2004, Examining the Interrelationship between Society and Nature, Session II, Title of Session Chaired and Organized for the Pacific Sociological Meetings, San Francisco, CA.

2003, Ontological Politics: Mapping a Complex Environmental Debate, Paper presented for the Governing Environmental Flows conference, organized by the Environmental Policy Group, Wageningen University and the International Sociological Association (RC 24), Wageningen University, Wageningen, The Netherlands.

2002, Self and Sustainability: The Interrelationship between Food, Self, and the Environment, Paper presented for the Midwest Sociology Meetings, Milwaukee, Wisconsin.

2002, Sustainability, Democracy, and Limits: The Social Relations of Power within Environmental Discourse, Paper presented for the Midwest Sociology Meetings, Milwaukee, Wisconsin.

2002, The Discourses of Nature: Technology, Risk, and Power in the 21st Century, Title of Session Chaired and Organized for the Midwest Sociological Meetings, Milwaukee, WI.

2001, In Truth We Trust: Discourse, Phenomenology, and the Social Relations of Knowledge in an Environmental Dispute, Paper present (with Michael M. Bell) for the Conference on New Natures, New Cultures, New Technologies, Research Committee 24 (Environment and Society) of the International Sociological Association, Cambridge, England.

2001, A Discursive Theory of Trust, Paper presented for the Midwest Sociological Meetings, St. Louis, Missouri.

2001, The Discourse of Trust, Truth, Power, and Knowledge: An Examination of the Adoption of Sustainable Agriculture on Rented Land, Paper presented for the Midwest Sociological Meetings, St. Louis, Missouri.

2001, Contentious Politics in the Heartland: An Application and Critique of Habermasian Deliberative Theory, Paper presented for the Midwest Sociological Meetings, St. Louis, Missouri.

2001, The Consumption of Nature: From “Signs” to “Simulacra”—What is it that we Consume?, Paper presented for the Annual meetings of the Rural Sociological Society, Washington D.C..

2000, Nature’s Re-incarnation: The Sign-nification of Nature in a Postmodern World, Paper presented for the Annual meetings of the American Sociological Association, Washington D.C..

2000, Habermasian Discursive Theory: From Metaphysical Aridity to Practical Application, Paper presented for the Society for Applied Sociology and Sociological Practice Association Meetings, Washington D.C.

2000, Nature and Society: Moving Beyond the Cartesian Dualisms to a Hybridization of Social Life, Paper presented for the Annual meetings of the American Sociological Association, Chicago, Illinois.

2000, Breaking the Dualism, Material and the Ideological Realities: Moving Beyond the Social Construction of Nature/ the Environment and the Intersubjective Life-World, Paper presented for the Annual Midwest Sociological Meetings, Chicago, Illinois.

2000, Social Change in the ‘Heartland,’ Iowa Agriculture and Rural Communities: The Past 100+ years, Paper presented for the Annual Midwest Sociological Meetings, Chicago, Illinois.

1999, Scale and Specialization: A Micro Macro Level Analysis of Iowa Agriculture, Paper presented for the Annual meeting of the Rural Sociological Society, Chicago, Illinois.

1999, The Adoption and Diffusion of an Agricultural Innovation, Paper present (with Steven Gastyer, Kathy Kramer, Greg Peter, Noor Timoriz, and Ping Shen) for the Annual meeting of the Rural Sociological Society, Chicago, Illinois.

1999, The Environmental Implications of a Global Agricultural Model, Paper present for the International conference on Global Warming and Agriculture, Ames, Iowa.

GRANTS/FUNDING AWARDED: ACTIVE

Co-PI, Evaluating the Development of the Farm to School Coordinator Community of Practice and Training. Tides Foundation \$100,000, start: Nov 1st 1, 2023, end: Oct 31, 2026.

PI, Humanities in Practice: The Center for Engaged Humanities, National Endowment for the Humanities Challenge Grant, \$500,000 w/ \$2,364,756 donor match, start: July 1, 2023, end: June 30, 2026.

Co-PI – STAR Soil Health Program, NRCS CIG, \$376,748, sub-award of \$72,397, 2022-2025.

Co-PI – Expanding the STAR Program Across Colorado and the West, USDA Partnerships for Climate Smart Commodities, \$25,000,000, sub-award of \$632,438, 2023-2026.

Co-PI, The Impact of Farm to School Legislation on Farmers, Supply Chain Businesses, Rural Communities and Economics. Agriculture and Food Research Initiative (AFRI), USDA, \$660,000, Active, start: Feb 1st 1, 2021, end: March 31, 2024.

GRANTS/FUNDING AWARDED: RECENT SUBMISSIONS NOT AWARDED

Co-PI – Foundational Agrivoltaic Research for Megawatt Scale (FARMS), Department of Energy, approximately \$1m, sub-award of \$191,000. (2023)

Co-PI – Perennial Futures: Grains for climate mitigation, adaptation, and landscape-scale change, USDA Partnerships for Climate Smart Commodities, \$60,000,000, sub award of approximately \$1m, not awarded. (2022)

Co-PI – Spiraling-up Sainfoin: Connecting agro and gastro-ecology for perennial futures, Western SARE, \$349,905, not awarded. (2022)