

MICHAEL KOTUTWA JOHNSON

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TRIBAL ENROLLMENT:

Enrolled member of Hopi Tribe # 1603-332

EDUCATION

- | | |
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| Ph.D. 2019 | School of Natural Resources and the Environment, College of Agriculture, Life & Environmental Sciences, University of Arizona, Tucson, AZ. |
| M.P.P. 2003 | School of Public Policy, Pepperdine University, Malibu, CA. |
| B.S. 1999 | College of Agriculture & Life Sciences, Cornell University, Ithaca, NY |

PROFESSIONAL APPOINTMENTS

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| 2022 to Present | Assistant Specialist-Indigenous Resiliency, University of Arizona School of Natural Resources and the Environment |
| 2019 to 2022 | Program Officer, Native American Agriculture Fund |
| 2016-2019 | Graduate Research Associate, Laura-Lopez Hoffman Lab, University of Arizona |
| 2003-2005 | District Conservationist, USDA/NRCS |
| 1999-2001 | Special Projects Program Associate, First Nations Development Institute |
| 1997 | Research Assistant, Soils, Crops & Atmospheric Sciences Department, Cornell University |
| 1995 | Housing Commissioner, Hopi Tribe |

CURRENT AWARDS

2023	Arizona Partnership for Climate Smart Food	Co-PI	10% Effort	United States Department of Agriculture (NRCS)	\$4.7 million
2023	Climate Resilience Through Indigenous Co-Design at the Food, Energy and Water Nexus	Co-PI	10% Effort	Waverly Street Foundation	\$2 million
2023	Revitalization of American Indian Food Systems: Enhancing Indigenous Climate-Smart Seed Biodiversity, Native Food Ways Preservation, and Indigenous Data Governance.	PI	11% Effort	Rockefeller Foundation	\$500K
2023	The Revitalization of Indigenous Crops in the Southwest	PI	25% Effort	Foundation for Food and Agriculture Research	\$450K

PENDING PROPOSALS

Southwest Climate Adaptation Science Center	Key Personnel	United States Geological Survey
One Health Grant	Co-PI	University of Arizona Health Sciences
Cultivating Water Resilience with Indigenous Peoples in Arid Lands	Co-PI	Southwest Climate Adaption Science Center
Indigenous Agriculture: Helping Our Communities	PI	Haury Program and Vitalyst Health Foundation

EDITORIAL and BOARD ROLES

- 2023 to Present Natural Resource Users Law and Policy Center American Indian Focus
- 2023 to Present President-Fred Aptvi Foundation
- 2023 to Present Regenerate America Science Advisory Board Member
- 2020 to Present Editorial Board Member for the Journal of Agriculture, Food Systems, and Community Development.

PUBLICATIONS AND FEATURE ARTICLES

PEER-REVIEWED PUBLICATIONS

- 2023 David-Chavez, D.M., Whyte, K.P., Laramie, M.B., Novak, R., Bruscato, N., Dockry, M., **Johnson, M.K.**, Jones, C.E., Leonard, K. and Lustig, A., 2023. Tribes and Indigenous Peoples-The Fifth National Climate Assessment. *AGU23*. [Tribes and Indigenous Peoples \(globalchange.gov\)](https://globalchange.gov)
- 2023 Brewer, J. P., Carroll, S. R., Bartecchi, D., Chesnais, A. K., & **Johnson, M. K.** (2023). Life and times of data access: Regarding Native Lands. *Environment and Planning F*, 2(1-2), 305-315. <https://doi.org/10.1177/26349825231164616>
- 2021 **Johnson, M.K.**, Rowe, M. , Lien, A.M.& Hoffman-Lopez, L. 2021. Enhancing Integration of Indigenous Agricultural Knowledge into National Resource Conservation Service Cost-Share Initiatives. *Journal of Soil and Water Conservation*. Online. <https://www.jswconline.org/content/early/2021/07/23/jswc.2021.00179>
- 2019 Jäger, M. B., Ferguson, D., Huntington, O., Johnson, **M.**, **Johnson**, N., Juan, A., Larson, S., Pulsifer, P., Reader, T., Strawhacker, C., Walker, A., Whiting, D., Wilson, J., Yazzie, J., & Carroll, S. (2019). Building an Indigenous Foods Knowledge Network Through Relational Accountability. *Journal of Agriculture, Food Systems, and Community Development*, 1–7. <https://doi.org/10.5304/jafscd.2019.09B.005>
- 2018 **Johnson, M. K.**, Lien, A. M., Sherman, N. R., & López-Hoffman, L. (2018). Barriers to PES programs in Indigenous communities: A lesson in land tenure insecurity from the Hopi Indian reservation. *Ecosystem Services*, 32, 62–69. <https://doi.org/10.1016/j.ecoser.2018.05.009>
- 2015 Singletary, L., Emm, S., Loma'omvaya, M., Clark, J., Livingstone, M., **Johnson, M.K.**, & Oden, R. Hopi People of the Land: Sustainable Agriculture on the Hopi Reservation, *University of Nevada Cooperative Extension*. <https://www.unce.unr.edu/publications/files/ag/2014/cm1402.pdf>

PEER REVIEWED PUBLICATIONS IN PREPARATION OR REVISION

- In Prep **Johnson, M.K.**, Planting by Faith: A Hopi Farmer's Perspective, *Gardening as Social-Spiritual Practice*, *CrossCurrents*

- In Prep **Johnson, M.K.**, Planting Time At Hopi: An Act of Faith, *Plurivers Journal*
- In Prep **Johnson, M.K.**, Rowe, M., A.M., & Hoffman-Lopez, L. Implementing American Indian producers' long-term goals and objectives into Natura Resource Conservation Service cost-share programs.
- In Prep **Johnson, M.K. et. al**, Our Lands Tell Our Stories: Supporting Indigenous Co-led Research Through the Indigenous Foods Knowledges Network.
- In Prep **Johnson, M.K.**, Rowe, M., & Tsosie, R. Are Indigenous Heritage Seeds Cultural Patrimony Under the Native American Grave Repatriation Act?
- In Prep **Johnson, M.K.** & Sanyal, D. Regenerative Agriculture: A Hopi Farmers Unique Perspective.

PROFESSIONAL PUBLICATIONS (NOT PEER REVIEWED)

- 2023 Draxler, B. & **Johnson, M.K.** Soil Builds Prosperity from the Ground Up. *Yes! Magazine*. December 7, 2023. <https://www.yesmagazine.org/environment/2023/12/07/health-soil-farming-agriculture-regenerative>
- 2023 Gilger, L. & **Johnson, M.K.** A Hopi farmer is using ancient practices to grow crops in Arizona-with no irrigation. *Fronteras*. November 15, 2023. <https://fronterasdesk.org/content/1863048/hopi-farmer-using-ancient-practices-grow-crops-arizona-no-irrigation>
- 2023 Witte, S. & **Johnson, M.K.** Working to keep traditional ways, types of Hopi corn. *Tucson Daily Star*. May 22, 2023. https://tucson.com/news/state-regional/article_cce5306b-8ddb-5ac3-9971-b8507626c772.html
- 2023 Doanstone, A. & **Johnson, M.K.** Revisiting a centuries-old approach to farming that embraces water scarcity. *Environmental Defense Fund: One the Waterfront Blog*. December of 2023. <https://blogs.edf.org/waterfront/2023/12/07/centuries-old-approach-farming-water-scarcity/>
- 2023 Stearn, M. & **Johnson, M.K.** Beyond acknowledgement towards meaningful collaboration: Regenerative agriculture through the lens of a Hopi agriculturists. *Forum for the Future: The Fontline of Indigenous Agriculture*. December of 2023. <https://www.forumforthefuture.org/beyond-acknowledgement-towards-meaningful-collaboration-regenerative-agriculture-through-the-lens-of-a-hopi-agriculturalist>
- 2023 Bangert, Y., and **Johnson, M.K.**, Die Garten in der Wüste, *Fur Vielfalt: Gemeinschaften unter Druck: Landschaften und Lebenswelten.*, Number 335., August of 2023.

<https://www.gfbv.de/de/zeitschriftfuervielfalt/335-gemeinschaften-unter-druck-landschaften-und-lebenswelten/>

- 2023 Di Redazione and **Johnson, M.K.**, Popolo hopi: segreti delle coltivazioni anti-siccita., *Per Vivere Meglio Non Sprecare! Tutto Per Uno Sviluppo Sostenibile*. January 2023. https://www.nonsprecare.it/popolo-hopi-michael-kotutwa-johnson?refresh_cens
- 2023 Heminger, G., Meeker, L., **Johnson, M.K.**, Mohajer, B., & Sorenson, K. Northern Arizona Water Affordability Study., Kyl Center for Water Policy at Morrison Institute, Arizona State University. Summer 2023. [213531 Northern Arizona Water Affordability Study.pdf \(asu.edu\)](https://www.asu.edu/water-affordability-study)
- 2022 Giddens, J., **Johnson, M.K.**: Adapting to climate change on Hopi. October 26, 2022. <https://cloud.3dissu.com/153878/159755/186770/10-26-22/index.html>
- 2022 Palmer, J & **Johnson, M.K.** Michael Kotutwa Johnson: A Voice for Indigenous Agriculture. July 25, 2022. <https://eos.org/features/michael-kotutwa-johnson-a-voice-for-indigenous-agriculture>
- 2022 **Johnson, M.K.** Indigenous Conservation Practices Embedded in Hopi Dryland Farming: Enhancing Integration of Indigenous Agriculture Knowledge, *Green Fire Times*, July/August 2022. https://greenfiretimes.com/wp-content/uploads/2022/07/gft_julyaug2022_web2.pdf.
- 2022 Palmer, J & **Johnson, M.K.** The Hopi farmer championing Indigenous agriculture knowledge. May 15, 2022. <https://www.aljazeera.com/features/2022/5/15/the-hopi-farmer-championing-indigenous-agricultural-knowledge>
- 2021 **Johnson, M.K.** (2021) Heritage Steeped in Agriculture, *Farm and Ranch Living*. August/September 2021.
- 2021 **Johnson, M.K.** (2021) Reflections of a Hopi Farmer, *The New Farmers Almanac Vol. V*. USA:Greenhorns.
- 2020 **Johnson, M.K.** & Eisele, K. (2020) Its Gonna Be Okay, A Hopi Drylands farmer on faith and climate, *Border Lore Heritage and Culture of the U.S. Southwest and Northern Mexico*, July 2020. Online: <https://borderlore.org/its-gonna-be-okay-faith-and-climate-on-a-hopi-drylands-farm/>
- 2020 Hipp, J.S., Givens, M., Segrest, V., Moore, K., Farlee, C., J.L.Graham., **Johnson, M.K.**, Stranger-McLaughlin, T., Martini, S., Gather, G. Reimagining Native Food Economies:

Native American Agriculture Fund, Native American Agriculture Fund, April 2020. Online: NativeAmericanAgricultureFund.org

- 2018 **Johnson, M.K.**, & Allen.,L. Tribal Farming Traditional and Today, *Tribal Business Journal*, July 2018. Online: <http://tribalbusinessjournal.com/latest-issues/>
- 2018 **Johnson, M.K.** Drought is Not The Only Thing Impacting Hopi Agriculture, Guest Editorial., *Hopi Tutuveni*, June 19, 2018. <https://www.hopi-nsn.gov/wp-content/uploads/2018/06/tutuveni-final-619-1.pdf>
- 2017 **Johnson, M.K.** & Chamot, J., Crops Rising From a Cracked Desert, *National Geographic Online*: <https://voices.nationalgeographic.com/2017/05/01/crops-rising-from-a-cracked-desert/>
- 2016 **Johnson, M.K.**, Keeping with Tradition, *Indigenous Stewards*. Spring 2016
Online: <https://journals.uair.arizona.edu/index.php/indst/issue/view/1593>

MUSEUM EXHIBITS

- 2018 **Johnson, M.K.**, The Resiliency of Hopi Agriculture: 2000 Years of Planting, *Museum Exhibit till June 2019.*, Arizona State Museum, Tucson, Arizona

EDUCATIONAL DOCUMENTARIES

- 2023 **Johnson, M.K.** A Reflection of Life, Unlocked Films, May 15th, Trailer: <https://www.youtube.com/watch?v=oVOg-yYhJVs>
- 2021 **Johnson, M.K.** Inhabitants. March 20, 2021. https://www.youtube.com/watch?v=aLiR_QsJmWE&t=16s
- 2018 B. Carter and **Johnson, M.K.** Resiliency of Hopi Agriculture:2000 Years of Planting <https://www.youtube.com/watch?v=28gAFESNGMU&t=67s>
- 2016 K. Cressman and **Johnson, M.K.** *Thoughts of a Hopi Farmer*, American University- <https://www.youtube.com/watch?v=wJ-tLq7yhk4>
- 2014 V. Sandoval and **Johnson, M.K.** *Hopi Life*, Rural Coalition- <https://www.youtube.com/watch?v=B28vQMp1Oxk>

- 2013 **Johnson, M.K.** *Conservation: The Hopi Way*, University of Arizona-
<https://www.youtube.com/watch?v=axgOEt7J1P0>

SELECTED MEDIA APPEARANCES/PODCAST/VIDEOS

- 2023 **Johnson, M.K.** National Native News: News for All Americans, December 29, Tucson, AZ.
<https://www.nativenews.net/friday-december-29-2023/>
- 2023 **Johnson, M.K.** Dr. Michael Kotutwa Johnson: Hopi Dry farmer and University of Arizona, Indigenous Resiliency Specialist, and faculty. Environmental Defense Fund., December 3rd Mesa, Hopi Reservation. <https://www.youtube.com/watch?v=GxJa8vlt3fs>
- 2023 **Johnson, M.K.** Tribal Nations of Arizona. Office of Diversity & Inclusion. October.
<https://diversity.arizona.edu/tribal-nations-arizona>
- 2023 **Johnson, M.K.** Growing Indigenous resilience. University of Arizona, November 28th, Tucson, AZ. <https://news.arizona.edu/videos/growing-indigenous-resilience>
- 2023 **Johnson, M.K.** A Hopi farmer is using ancient practices to grow crops in Arizona-with not irrigation., November 16th, Kykotsmovi, AZ. <https://kjzz.org/content/1863048/hopi-farmer-using-ancient-practices-grow-crops-arizona-no-irrigation>
- 2023 **Johnson, M.K.** What's the future of tribal lands? A panel conversation with KJZZ. November 15th, Tempe, AZ. <https://kjzz.org/content/1862955/whats-future-tribal-lands-panel-conversation-kjzz-news>
- 2023 **Johnson, M.K.** Indigenous Agriculture and Climate Resilience, Come Rain or Shine, USDA Southwest Climate Hub & DOI Southwest Climate Adaptation Science Center, November 1, Tucson, AZ. <https://open.spotify.com/episode/6RuxsygFwmqZUieQaLR9T6>
- 2023 **Johnson, M.K.** Interview with Michael Kotutwa Johnson. Tribal Health Podcast. November 1st, Tucson, AZ. <https://podyssey.fm/podcast/itunes1602728474-Tribal-Health-the-Podcast>
- 2023 **Johnson, M.K.** Native Talk Arizona, February 7, 2023.
https://podcasts.google.com/feed/aHR0cHM6Ly9mZWVkcY5idXp6c3Byb3V0LmNvbS8xMTY0OTI2LnJzcw/episode/QnV6enNwcm91dC0xMjE5ODMyMw?sa=X&ved=0CAUQkfYCahcKEwiY_8X1oon9AhUAAAAAHQAAAAAQLA

- 2022 **Johnson, M.K.** Indigenous Ways of Knowing Water. Radiowest-Wildly Curious. July 21, Tucson, AZ. <https://radiowest.kuer.org/show/radiowest/2022-07-21/indigenous-ways-of-knowing-water>
- 2022 **Johnson, M.K.** Burning Embers: Passionately lit for culture, community and corn. Real Native Roots. May 24th, Tucson, AZ. <https://realnativeroots.podbean.com/e/burning-embers-passionately-lit-for-culture-community-and-corn/>
- 2022 **Johnson, M.K.** Inhospitable: A Better Future: PhD Researcher and Hopi Farmer, May 13, 2022. <https://www.npr.org/podcasts/1058143331/in-hospitable>
- 2022 **Johnson, M.K.** S3E5: The roots of indigenous agriculture w/ Dr. Michael Kotutwa Johnson of the documentary Inhabitants, March 1, 2022. www.audacy.com/podcasts/reversing-climate-change-25261/s3e5-the-roots-of-indigenous-agriculture-w-dr-michael-kotutwa-johnson-of-the-documentary-inhabitants-1278629277
- 2022 Williams, A & **Johnson, M.K.** Water Week: How to farm in a drought, NPR 1A, August 7, 2022, <https://the1a.org/segments/water-week-how-to-farm-in-a-drought/>
- 2020 **Johnson, M.K.** E83: Hopi Farming-Agriculture, Culture, and Environment in Balance. The Leading Voices In Food, Duke University, July. Kykotsmovi, AZ. <https://wfpc.sanford.duke.edu/podcasts/hopi-farming-agriculture-culture-and-environment-balance/>
- 2018 **Johnson, M.K.** A Kernel of Culture. Native American Calling. October 9, 2018. <http://www.nativeamericacalling.com/category/past-shows/page/8/>
- 2018 **Johnson, M.K.** It's Farmer Friday! Meet Michael Kotutwa Johnson. *Rural Coalition Blog*, August 17, 2018. <https://www.ruralco.org/2018/08/17/farmer-friday-michael-kotutwa-johnson-hopi-farmer/>
- 2017 **Johnson, M.K.** Traditional Farming Techniques: A Class Visit From Hopi Farmer, Michael Kotutwa Johnson, *Medium*. July 24, 2017. https://medium.com/@oscarmedina_38474/traditional-farming-techniques-a-class-visit-from-hopi-farmer-michael-kotutwa-johnson-a848181e6e36
- 2014 K. Cressman and **M.K. Johnson.**, Hopi Seed Sovereignty: Conserving Hopi Seeds, Sustainability, Stewardship, and Sovereignty. American University School of International Service, National Family Farm Coalition and Rural Coalition, May 5, 2014. <https://static1.squarespace.com/static/51624bdce4b058e82d8a2faf/t/536658bae4b0a8d04d94c9aa/1399216314433/Hopi+Seed+Sovereignty+.pdf>

SOCIAL MEDIA SITES

Present <https://www.linkedin.com/in/michael-kotutwa-johnson-phd-mpp-16542049/>

Present https://www.instagram.com/dr._hopi_farmer/

HONORS & AWARDS

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| 2023 | Participant, Environmental Defense Fund's Food System Diversification Workshop-World Food Prize Conference, October 24 th , Des Moines, IA. |
| 2023 | Participant, Rockefeller Convening, May 8 th -12 th , Bellagio, Italy. |
| 2023 | Finalist, Director of Arizona Department of Agriculture |
| 2022 | Jewish National Fund Faculty Fellowship |
| 2022 | Red Rockstar Awardee Verde Valley School |
| 2018 | A Community for Ecosystem Services Fellow |
| 2017 to 2019 | American Indian Graduate Center Science Post Graduate Scholarship |
| 2016 to 2019 | Alfred P. Sloan American Indian Scholar-University of Arizona |
| 2016 | Graduate Student Poster Contest, Overall Winner, Fall Fest-University of Arizona |
| 2012-2015 | Hopi Tribal Priority Scholarship |

PRESENTATIONS

ACADEMIC GUEST LECTURES

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| 2023 | Johnson, M.K. Guest Lecture, Indigenous Food Security: A Path Forward. <i>Food 101 Intro to Critical Food Studies.</i> , November 7 th , Tucson, AZ. |
| 2023 | Johnson, M.K. Class Lecture, Indigenous Agriculture: Biodiversity and the Next Generation. <i>The World's Food and Health.</i> October 4 th , Tucson, AZ. |

- 2023 **Johnson, M.K.** Guest Lecture, Place-Based Agriculture: What Can We Learn? Dr. Kevin Sofen-Depaul University. May 16th, Tucson, AZ.
- 2023 **Johnson, M.K.** Agroecology: An Indigenous Interpretation. *WSM462/562*. April 20th, Tucson, AZ.
- 2023 **Johnson, M.K.** Speaker, Faith in Farming: A Hopi Covenant, *Hamilton College*. April 12th, Hamilton, NY.
- 2023 **Johnson, M.K.** Speaker, Perspectives on Resilience, *Indigenous Ways of Knowing: Value Added Resiliency*, February 2nd, Tucson, AZ.
- 2023 **Johnson, M.K.** SNRE Seminar, Redefining Regenerative Agriculture: An Indigenous Agriculture, January 31, Tucson, AZ.
- 2022 **Johnson, M.K.** Natural Resource Management: Indian Country, Planning for Native American Lands, CRP 473/573, November 7, University of New Mexico, Albuquerque, NM.
- 2022 **Johnson, M.K.** A Question and Answer Session: A Hopi Farmers Perspective, Memory, Tradition, and Contemporary Native American Issues, RELST 238, November 2, Hamilton University, Clinton, NY.
- 2022 **Johnson, M.K.**, Rethinking the Value of Food: An Indigenous Perspective, The World's Food and Health, CPH 416/516, August 31, University of Arizona, Tucson, AZ.
- 2022 **Johnson, M.K.** Native American Perspectives, *Conservation of Natural Environments-RNR* 200, August 30, University of Arizona, Tucson, AZ.
- 2022 **Johnson, M.K.**, Hopi Ways of Knowing: An Overview, *Plants of the Desert* ECOL 414/515, July 14, University of Arizona, Tucson, AZ
- 2022 **Johnson, M.K.**, Indigenous Perspective: Food Systems: May 24th, DePaul University, Chicago, Ill.
- 2022 **Johnson, M.K.**, Restoration of the American Indian Food System: Integrating the Principles of Indigenous Conservation, Ft. Lewis College, April 28, Durango, CO.
- 2022 **Johnson, M.K.**, Traditional Ecological Knowledge (TEK): One Hopi Farmers Interpretation, March 8, UC Davis, Kykotsmovi, AZ.
- 2022 **Johnson, M.K.**, Hopi Dry Farming: 2000 Years of Resiliency, February 19, Oregon State University, Kykotsmovi, AZ

- 2019 **Johnson, M.K.**, American Indian Natural Resource Management: A United States Policy Overview, April 16th & 18th, *RNR 480, University of Arizona, Tucson, AZ*
- 2019 **Johnson, M.K.**, Farming in a semi-arid region: The Hopi Way, February 14th, *AIS 495A/595A, University of Arizona, Tucson, AZ*
- 2019 **Johnson, M.K.**, Conservation and sustainable agriculture in the Southwest: A Hopi farmers perspective., January 24th, *RAM 340, University of Arizona, Tucson, AZ*
- 2018 **Johnson, M.K.**, The Importance of Biodiversity Conservation: A Hopi perspective. March 7th, *ENVS 495, University of Arizona, Tucson, AZ*
- 2018 **Johnson, M.K.**, American Indian Natural Resource Management: A United States Policy Overview, April 10 & 12th, *RNR 480, University of Arizona, Tucson, AZ*
- 2017 **Johnson, M.K.**, What if we farmed like a Hopi: A question of resiliency. October 11th, *AIS 431/531-University of Arizona, Tucson, AZ*
- 2017 **Johnson, M.K.**, Dryland Farming of the Hopi. September 19th, *SISU, American University, Washington D.C.*
- 2017 **Johnson, M.K.**, American Indian Natural Resource Management: A United States Policy Overview, April 11th & 13th, *RNR 480, University of Arizona, Tucson, AZ*
- 2017 **Johnson, M.K.**, Conservation and sustainable agriculture in the Southwest: A Hopi farmers perspective., March 23rd, *ENTO/EIS/RNR/SWES 436/536, University of Arizona, Tucson, AZ*
- 2017 **Johnson, M.K.**, The Importance of Biodiversity Conservation: A Hopi perspective. March 7th, *ENVS 495, University of Arizona, Tucson, AZ*
- 2016 **Johnson, M.K.**, Perspectives in Conservation by a Hopi farmer., March 3rd, *OLLI 6814-Green Valley Campus, Tucson, AZ*
- 2106 **Johnson, M.K.**, What if we farmed like a Hopi: A question of resiliency, November 9th, Lecturer., *AIS/431/531-University of Arizona, Tucson, AZ*
- 2016 **Johnson, M.K.**, Hopi Dryland Farming., November 9th, *ANTHRARC 296-University of Michigan, Ann Arbor, MI*
- 2016 **Johnson, M.K.**, Adaptation using place-based knowledge: A Hopi farmers perspective., November 8th, *GEOG 404-University of Arizona, Tucson, AZ*
- 2016 **Johnson, M.K.**, Farming with a limited amount of water: The Hopi way. April 29th, *HWRS 170A1-University of Arizona, Tucson, AZ*

- 2016 **Johnson, M.K.**, Hopi conservation management: A unique perspective. April 27th, *AIS 160A1-University of Arizona*, Tucson, AZ
- 2016 **Johnson, M.K.**, American Indian Natural Resource Management: A United States Policy Overview, April 21st, *RNR 480/580-University of Arizona*, Tucson, AZ
- 2016 **Johnson, M.K.**, Hopi house: Building into the landscape. April 21st, *PLG/RNR 256-University of Arizona*, Tucson, AZ
- 2016 **Johnson, M.K.**, Integrating Hopi knowledge: Uses in Natural Resource Management, April 20th, *AIS 403/503-University of Arizona*, Tucson, AZ
- 2016 **Johnson, M.K.**, Dryland Farming Techniques: A Hopi farmers application. April 19th, *ANTHRO 347-University of Arizona*, Tucson, AZ
- 2015 **Johnson, M.K.**, Conservation Agriculture: A Hopi perspective., April 5th, *ENTO 436/EIS 536-University of Arizona*, Tucson, AZ
- 2015 **Johnson, M.K.**, Hopi house: Building into the landscape November 19th, *PHG/GEO/NATS 256-University of Arizona*, Tucson, AZ
- 2015 **Johnson, M.K.**, What if we farmed like a Hopi: A question of resiliency., September 21st, *Lecture., AIS/431/531-University of Arizona*, Tucson, AZ

INVITED SEMINARS AND PRESENTATIONS

- 2023 **Johnson, M.K.** Panelist, Indigenous Ingenuity: Living with Less. *Rising to the Challenge: Bridging Water and Food Policies, Practices, and Financing for Sustainable Food Transition-Environmental Defense Fund: COP 28.*, December 10th, Dubai, United Arab Emirates.
- 2023 **Johnson, M.K.** Panelist, Indigenous Regenerative Agriculture. *Regenerative and Nature-Positive Agriculture as an Avenue to Build Climate Resilient-Food Systems. COP 28.*, December 10th, Dubai, United Arab Emirates.
- 2023 **Johnson, M.K.** Presenter., Making the Most with Less: An Indigenous Perspective. *Achieving Circularity in Local and Regional Food Systems Development- Journal of Agriculture, Food Systems, and Community Development.* November 16th, Tucson, AZ.
- 2023 **Johnson, M.K.** Panelist, Indigenous Agriculture: A Brief Outlook. *Nourishing Soil, Stewarding Water: Agricultural Practices to Build Resiliency-Water Alliance Annual Conference.*, November 15th, Tucson, AZ.
- 2023 **Johnson, M.K.**, Speaker, Indigenous Ingenuity: What can we learn? *19th Annual Research Insights in Semiarid Ecosystems.* October 21st, Tucson, AZ.
- 2023 **Johnson, M.K.** Invited Speaker, Dr. Johnson's Research: Indigenous Resiliency. *Planet Forward Seminar*, October 6th, Tucson, AZ.

- 2023 **Johnson, M.K.**, Invited Lecture, Indigenous Agriculture: The Next Generation. *IAC Southwest Regional Summit: Adapting to Agricultural Climate Changes*. September 26th to 27th, Albuquerque, NM
- 2023 **Johnson, M.K.**, Panelist. *Good Food Forum & Expo 2023*. August 29th, Mesa, AZ.
- 2023 **Johnson, M.K.** Invited Lecture, Indigenous Resiliency: A Path Forward. *NASA Earth to Sky Webinar Series.*, August 18th. Tucson, AZ.
- 2023 **Johnson, M.K.** Panelist., *2023 Ecological Society of America Annual Conference*. August 4th to 9th., Portland, OR.
- 2023 **Johnson, M.K.** Guest Lecture, The Upscaling of Traditional Agriculture: How do we get there? *Urban Ag Webinar*. April 26th, Tucson, AZ.
- 2023 **Johnson, M.K.**, Panelist, Redefining Environmental Citizenship: A Hopi Indian's Perspective., Annual Conference of the Bavarian American Academy- Environmental Citizenship: Politics, Practices, and Representations. July 7th Munich, Germany.
- 2023 **Johnson, M.K.** Invited Speaker, Intersection of Language, Land, and Farming. *Old Fort Lewis Lecture Series.*, May 22nd, Hesperus, CO.
- 2023 **Johnson, M.K.** Keynote Speaker, Land and Water Summit 2023, Indigenous Resiliency: Why We are Here, March 2nd, Albuquerque, NM.
<https://www.youtube.com/watch?v=GrqLCChhJ0g>
- 2023 **Johnson, M.K.**, Speaker, SWIAA 2023 Annual Conference, *Revitalization of Indigenous Crops: A New Definition of Regenerative Agriculture*, January 19, Tucson, AZ
- 2023 **Johnson, M.K.**, Panelist, Kiss the Ground and Inhabitants Panel, January 19, Tucson, AZ
- 2023 **Johnson, M.K.** Speaker, Native Health of Phoenix, *Hopi Beans: A Sense of Renewal*, January 17th, Phoenix, AZ
- 2022 **Johnson, M.K.** Panelist, UN Summit, *Right Here, Right Now Global Climate Summit*, December 3, Boulder, CO.
- 2022 **Johnson, M.K.** Keynote Speaker, Tribal EPA Region 9 Conference, *Knowledge is of the Land*, Lake Tahoe, CA.
- 2022 **Johnson, M.K.** Regenerative Agriculture Panelist, 2022 Norman E. Borlaug International Dialogue, *Feeding a Fragile World*, October 19, Des Moines, IA.
- 2022 **Johnson, M.K.**, Indigenous Agriculture: A Lesson in Equity, *20th Annual SAFSF Forum: Commitment & Accountability*, June 21, Kansas City, MO.
- 2022 **Johnson, M.K.**, Hopi Traditional Agriculture: Planting for a Purpose, *WRCC Annual Conference: Arizona's Agriculture Outlook: Water, Climate, and Sustainability*, July 12, Tucson, AZ.

- 2022 **Johnson, M.K.**, Climate Change and Traditional Agriculture, *Climate Change and Human Health ECHO*, University of New Mexico, June 29, Albuquerque, NM.
- 2022 **Johnson, M.K.**, Indigenous Water Principles: One Hopi's Perspective, *42nd Annual Colorado Law Conference on Natural Resources*, June 17, University of Colorado, Boulder, CO.
- 2022 **Johnson, M.K.**, Indigenous Regenerative Agriculture, *National Resource Defense Council Congressional Briefing*, June 16, Boulder, CO
- 2022 **Johnson, M.K.**, Restoration of the American Indian Food System: Integrating the Principles of Indigenous Conservation, *4th Annual Arizona Food Summit*, March 23, Arizona State University, Tempe, AZ.
- 2022 **Johnson, M.K.**, Indigenous Conservation: Restoration of the American Indian Food System, *Living with Land, Part 2: Food in the Desert*, Arcosanti March 5, Mayer, AZ
- 2021 **Johnson, M.K.**, An Indigenous Perspective on Climate Fluctuation: Barriers and solutions for land tenure and food security, Sept 2, *United States State Department*, Washington, D.C.
- 2021 **Johnson, M.K.**, Resiliency: A Perspective of a Hopi Farmer, *2021 Tribal Water Resilience in a Changing Environment*, Tucson, AZ.
- 2019 **Johnson, M.K.**, Hopi Agriculture: A Way of Life, November 20th, *Regenerate 2019: Health from the Soil Up*, Albuquerque, NM.
- 2019 **Johnson, M.K.**, Conservation: Rebuilding A Pathway Towards Recognition, November 7th, *National Tribal Conservation District Conference*, Tulsa, OK.
- 2019 **Johnson, M.K.**, *Indigenous Agriculture Knowledge: Rebuilding Pathways*, October 10th, *Identifying Emerging Opportunities in Arizona Agriculture: Agriculture Opportunities in Diverse Communities*, Mesa, AZ.
- 2019 **Johnson, M.K.**, Hopi Farming, April 3rd, *Arizona-Sonora Desert Museum*, Tucson, AZ.
- 2019 **Johnson, M.K.**, Continuity of Hopi Dry Land Farming, January 27th, *Shaw D. Kinsley Lecture Series* (Tubac Presidio State Historic Park), Tubac, AZ.
- 2018 **Johnson, M.K.**, Community Based Agriculture: A Hopi Perspective, December 13th, *Rural Coalitions 10th Annual Winter Forum*, Washington D.C
- 2018 **Johnson, M.K.**, AM Lien, L López-Hoffman. Barriers associated with the Environmental Quality Improvement Program: Case study on the Hopi Indian Reservation, December 6, *A Community on Ecosystem Services*, Washington D.C.
- 2018 **Johnson, M.K.**, The Resiliency of Hopi Agriculture: 2000 Years of Planting, December 3rd, *Smithsonian's National Museum of the American Indian*, Washington D.C.
- 2018 **Johnson, M.K.**, Kuyi (Water): The Essence of Life, October 22nd, *Indigenous Water Ethics*, Tucson, AZ.

- 2017 **Johnson, M.K.**, The Importance of Seed Saving and Resiliency, June 25th, *Food Sovereignty Summit*, Green Bay, WI
- 2017 **Johnson, M.K.**, Barriers Associated with the Environmental Quality Incentives Program: *Case Study on the Hopi Indian Reservation. U.S. Farm Bill 2018: Policy, Politics, & Potential*, March 25th, Washington D.C.
- 2016 **Johnson, M.K.**, Farming in a semi-arid region: The Hopi Way. May 2-5th, *Food Sovereignty Conference, University of Arizona*, Tucson, AZ
- 2016 **Johnson, M.K.**, September 10th, *Food and Water in Arid Lands Conference*, Tucson, AZ
- 2016 **Johnson, M.K.**, Saving water: Hopi dry-land farming., March 3rd., *WRCC Annual Conference 2016, Tech, Talk, and Tradeoffs*, Tucson, AZ.
- 2016 **Johnson, M.K.**, Crop Biodiversity of the Hopi. A practicing Hopi farmer. February 5th, *The 39th Annual Conference-The Society of Ethnobiology*, Tucson, AZ
- 2016 **Johnson, M.K.**, Applications of STEM fields learned by Hopi children in the corn field., April 7th, *Teaching, Learning, and Sociocultural Studies Colloquy*, Tucson, AZ
- 2014 **Johnson, M.K.**, Keeping tradition: Using our own system of agriculture., July 10th, *Natwani Foundation Annual Hopi Agriculture Forum*, Polacca, AZ
- 2011 **Johnson, M.K.**, Placed-based agriculture: A Hopi farmers perspective., July 5-9th, *Rural Coalition Annual Conference*, Oklahoma City, OK
- 2010 **Johnson, M.K.**, Hopi dryland farming: Testing the limits of soil and water conservation. June 15th, *Beginning Farmers-The Drake Forum-America's New Farmers: Policy Innovations & Opportunities*, Washington D.C.
- 2007 **Johnson, M.K.**, June 3rd-8th, Presenter, *Annual Soil Water Conservation Society Annual Conference*, Detroit, MI

NON-ACADEMIC LECTURES

- 2023 **Johnson, M.K.** The Resiliency of Indigenous Agriculture. *DARE Lecture Series.*, July 27th, Tucson, AZ.
- 2023 **Johnson, M.K.** Language, Land, and Farming. *Tohono Odham Community Action Lecture Series.* June 29th, Tucson, AZ.
- 2023 **Johnson, M.K.** Ecology: An Indigenous Interpretation. *University of Arizona Ecological Restoration Club.*, May 1st, Tucson, AZ.
- 2023 **Johnson, M.K.** Hopi Farming: 2000 Years of Adaptation. *Herbarium Lunch Series*, March 30th, Tucson, AZ.

- 2023 **Johnson, M.K.** Indigenous Ingenuity: What can we learn?, *Spring Lecture Series on Tumamoc Hill*, March 29th, Tucson, AZ.
- 2018 **Johnson, M.K.**, The Resiliency of Hopi Agriculture: 2000 Years of Planting, April 14th, *Arizona State Museum*, Tucson, AZ.
- 2017 **Johnson, M.K.**, What if we farmed like a Hopi? June 6-8th, *Native Youth Summer Summit*, Fayetteville, AR
- 2017 **Johnson, M.K.**, General Hopi Agricultural Techniques., March 12th, *Change Maker High School*, Tucson, AZ
- 2017 **Johnson, M.K.**, Dryland Conservation Management: A Unique Perspective, *Verde Valley High School*, May 31st, Sedona, AZ
- 2017 **Johnson, M.K.**, Dryland Farming Techniques of the Hopi, March 17th, *Arizona Master Naturalist Program: Pima County Chapter*, Tucson, AZ
- 2017 **Johnson, M.K.**, What if we farmed like a Hopi?, *Biosphere 2*, April 15th, Oracle, AZ
- 2017 **Johnson, M.K.**, What if we farmed like a Hopi? August 13th, *EXO Coffee House*, Tucson, AZ
- 2016 **Johnson, M.K.**, Conservation of the Hopi: Steep in tradition., April 10th, *DOCENTS, Arizona State Museum*, Tucson, AZ
- 2016 **Johnson, M.K.**, What if we farmed like the Hopi, April 5th, *Tohono Odham Community College (TOCC) Sells*, AZ
- 2016 **Johnson, M.K.**, Lessons of a Hopi farmer- April 1st, *Arizona Historical Society*, Tucson, AZ
- 2013 **Johnson, M.K.**, EQIP on the Hopi Reservation., March 23rd., *Arizona Association of Conservation Districts*, Prescott, AZ
- 2011 **Johnson, M.K.**, Farming the Hopi way. March 12th., *Tucson Archeology Organization*, Tucson, AZ
- 2011 **Johnson, M.K.**, Hopi dryland farming., April 12th, *Indian Societies, Pima Community College*, Tucson, AZ

POSTER PRESENTATIONS

- 2023 **Johnson, M.K., et al.** December 11, 2023, Fifth Climate Assessment: Chapter 16-Tribes and Indigenous Peoples, *AGU Annual Meeting 2023: Wide Open Science*, San Francisco, CA.

- 2023 **Johnson, M.K.**, August 2, 2023, Natural Resource Issues of American Indian Tribes: Building A Bridge of Equity and Inclusion., *2023 Arizona Cooperative Extension Conference*, Tucson, AZ.
- 2016 **Johnson, M.K.**, October 2016, A Manual to Preserve Hopi Agriculture Conservation Techniques for an Era of Climate Change., *Fall Poster Contest: Institute of the Environment*, Tucson, AZ.
- 2016 **Johnson, M.K.**, The Anomaly of Hopi Agriculture: Does Climate Change Really Matter? Poster. September 2016, *UA Arid Lands Poster Session: Cross-disciplinary Symposium on Arid Environments Research*, Tucson, AZ.

TEACHING

- 2011 Graduate Teaching Assistant: Natural Resource Management in Native Communities. Undergraduate and Graduate Course. University of Arizona
- 2009 Graduate Teaching Assistant: Study American Indian Literature. Undergraduate and Graduate Course. University of Arizona

COMMUNITY SERVICE and OUTREACH

- 2023 Worked with Hopi Tribe on various aspects of the new community water pipeline and the Village of Old Oraibi on agriculture interests.
- 2023 Guest Lecture, Hopi Farming. 5th Grade Class, Manzanita Elementary School, November 8th, Tucson, AZ.
- 2023 Incorporated tribal colleges in meeting concerning a National Science Foundation Cultural Transformation in the Geoscience Community grant by attending a workshop on the matter in November.
- 2023 Hosted a site visit to a group from the Environmental Defense Fund, Australia and New Zealand to learn about Hopi Culture and Agriculture at my farm on Hopi in July.
- 2023 I have had various meetings with Meridian Institute about providing guidance on USDA Natural Resource Conservation service program to incorporate policy and implementation for American Indian Tribes.
- 2023 Had several meetings to develop plans for tribal participation in the University Corporation for Atmospheric Research (UCAR) in agriculture including crop modeling.
- 2023 Hosted sited visit and learning opportunity at my Hopi house to Hopi children involved in summer youth programs in June.

- 2023 Worked with Tucson Village Farm to incorporate more Indigenous participation in their activities including building them a corn roasting pit.
- 2023 Hosted Native Food, Energy, and Water Systems (FEWS) faculty, staff, and participants at my farm on Hopi to learn about Hopi culture and farming in July.
- 2023 Consulted with the Executive Director from the Watershed Conservation Resource Center on plans to incorporate tribes into their potential development sites.
- 2023 Consulted with Colorado League of Women Voters on the use of herbicides for areas surrounding Boulder Colorado in February.
- 2022 Meetings with White House Office and Technology Policy on incorporating Indigenous Traditional Ecological Knowledge into Federal Agencies, Tucson, AZ.
- 2021 Tribal Advisor Board Member for Natural Resource Conservation Districts
- 2018 Advocate: Talked to Member of Congress about issues concerning American Indian Farmers and Ranchers on behalf of the National Young Farmers Coalition, Washington, D.C.
- 2017 Advisor Committee Board Member: Engaging Native Boys in Education, Tribal Lifeways and Environmental Stewardship Project, Tucson, AZ
- 2017 Advocate: Native American High School Students, University of Arizona, Department of Optics, Tucson, AZ
- 2016 Advisor: Native American College Bound Students, University of Arizona, Department of Optics, Tucson, AZ
- 2016 Advocate: Native American High School Student, University of Arizona, Outreach Discussion, Tucson, AZ
- 2016 Advocate: Native American Undergraduate Students and Teachers, University of Arizona, Academic Research Discussion, Tucson, AZ
- 2014-2017 Advisor: Hopi Work Session-Students Sedona Verde Valley School, Kykotsmobi, AZ

WORKSHOPS & TRAINING

- 2023 Hosted University of Arizona's CIELO staff and students on Hopi traditional agriculture and house building techniques from June 5th to 8th on the Hopi Reservation.

- 2023 Co-Hosted Workshop with Coconino County Extension Agent at a planting site at Arcosanti, AZ on April 1st.
- 2023 Put together a workshop on related to Hopi agriculture for plots at the Campus Agriculture Center on April 6th in Tucson, AZ.

SEARCH COMMITTEES & ADVISORY BOARDS

- 2023-Present Advisory Board Member Dunya Analytics
- 2023-Present School of Natural Resources and the Environment Assistant Specialist Search Committee
- 2023 Review Committee for All RII Institutes and Centers
- 2023 University of Arizona Cooperative Extension Strategic Planning Committee
- 2023-Present Regenerate America Science Advisory Board
- 2022-Present Native American Food Sovereignty Alliance Advisory Board

DOCTORAL, MASTERS, and UNDERGRADUATE COMMITTEES

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|------|---|------------------------|
| 2023 | Grant Hemminger-Arizona State University | Honor Thesis Committee |
| 2023 | Lindsay Marzulla-University of Arizona | Doctoral Committee |
| 2024 | Taina Diaz-Reyes-Arizona State University | Doctoral Committee |

PROFESSIONAL ORGANIZATIONS & AFFILIATIONS

- 2023-Present Arid Land Resource Sciences Affiliate
- 2023-Present American Indian Studies Affiliate
- 2022-Present Indigenous Resilience Center Affiliate
- 2022-Present University of Arizona Cooperative Extension Affiliate
- 2020-Present Designated Campus Colleague- University of Arizona School of Law

- 2019-2022 American Geophysical Union
- 2018-2022 U.S. Indigenous Food Sovereignty Network
- 2005-2022 American Indian Science and Engineering Society (AISES)
- 2005-2022 Soil, Water, & Conservation Society (SWCS)
- 2013-2022 Advancing Hispanic/ Chicanos & Native Americans in Science (SACNAS)

PROFESSIONAL DEVELOPMENT

- 2023 Title Completing Your APR Using Faculty Portfolio
- 2024 Title Extension Onboarding Experience for Faculty: Part I