

CURRICULUM VITAE

JOHN H. VANDERMEER

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Summary (2020)

John Vandermeer is Asa Gray Distinguished University Professor and Arthur R. Thurnau Professor of Ecology and Evolutionary Biology and a professor in the Program in the Environment at the University of Michigan. He teaches three courses, 1) food, energy and environmental justice, 2) the ecology of agroecosystems, and 3) complex systems in ecology. His research focuses on the coffee agroecosystem for which he delves into recent advances in complex systems in attempting to understand the biological, social, and political aspects of this important ecosystem. He is author or editor of 16 books and over 250 scientific publications. He is also a political activist, a founding member of the New World Agriculture and Ecology group, a current member of the revived organization “Science for the People,” and a founding member of the University of Michigan “Sustainable Food System Initiative.”

Academic and Professional Experience

Visiting Professor, Universidad de Valle, Cali, Colombia, 2017

Visiting Professor, University of Florence, Florence, Italy, 2016

Visiting Professor, Universität für Bodenkultur Wien (BOKU), Vienna Austria, 2015

Professor, Program in the Environment, University of Michigan, 2015 – present

Chair: Ecology and Evolutionary Biology, University of Michigan, 2013-2014

Visiting scholar, Centre D’Ecologie Fontionelle y Evolutive, CNRS, Montpellier, France 2012.

Senior Fellow, Michigan Society of Fellows, University of Michigan, 2010 – 2014.

Asa Gray Distinguished University Professor of Ecology and Evolutionary Biology, University of Michigan, 2009 – present.

Professor in the School for Environment and Sustainability (Courtesy Appointment) 2003- present.

Margaret Davis Collegiate Professor of Ecology and Evolutionary Biology, University of Michigan, 2002 - 2009.

Arthur F. Thurnau Distinguished Professor, University of Michigan 1994 - present.

Faculty Associate, Program in American Culture, University of Michigan, 1994 - present.

Faculty Associate, Michigan Center for Theoretical Physics, University of Michigan, 2001 – present

Faculty Associate, Center for the Study of Complex Systems, University of Michigan, 2000 – present.

Faculty Associate, Program in Latin American and Caribbean Studies, University of Michigan, 1993 - present.

Acting Chair, Department of Ecology and Evolutionary Biology, 2006 –2007 .

Visiting Professor, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, 2004.

Fullbright Scholar, Department of Ecological Agriculture, Wageningen Agricultural University, the Netherlands, 1996-1997.

Sokal Scholar, University of Michigan, 1996-1997.

Visiting professor, University of Central America, Managua, Nicaragua, August, 1994

Visiting Professor, Centro de Investigaciones Ecologicas del Sureste, Chiapas, Mexico. January, 1991.

Collegiate Fellow, University of Michigan, 1989 - 1990.

Coordinator for field course, *Agroecología*, Organization for Tropical Studies, Costa Rica, summers, 1988, 1989.

Visiting Professor of Agroecology, Instituto Superior de Ciencias Agropecuarias (ISCA), Managua, Nicaragua, 1986-1987.

Fullbright Scholar, Instituto Superior de Ciencias Agropecuarias, Nicaragua, 1986-1987.

Chair, Department of Ecology and Evolutionary Biology, University of Michigan, 1985-1986.

Visiting Professor -- Autonomous University of Nicaragua, March 1984.

Full Professor of Biology, University of Michigan, 1981 - present.

EVIST Fellow, Interdisciplinary Incentive Award NSF, 1981.

Visiting lecturer , Colegio Superior de Agricultura Tropical, Tabasco, Mexico, 1978.

Associate Professor of Biology, University of Michigan, 1974-1981.

Visiting scientist , INPA, Manaus, Brazil, 1974.

Professor in special seminar for professors of Latin American Universities, Turrialba, Costa Rica, 1971.

Assistant Professor of Zoology, U. of Michigan, 1970-1974.

Visiting Scholar, Princeton University, 1969.

Assistant Professor of Biology, SUNY, Stonybrook, N.Y., 1969-1970.

Coordinator, full-time faculty, visiting scientist, various courses, Organization for Tropical Studies, 1969-1999.

Post Doctoral Fellow: Sloan Foundation, University of Chicago, 1969.

Grants and Awards

Rackham Faculty Research Grant (Laboratory Studies of the ecology of *Paramecium*) \$5000, 1972-1973.

Rackham Faculty Research Grant (Demographic studies of *Welfia georgii* and *Socratea durrissima* in Costa Rica) \$5000, 1974.

National Science Foundation (Ecology) Demography of *Welfia georgii* in Costa Rica) \$50,000, 1975-1977.

National Science Foundation (International Program) (Overyielding in a traditional corn-bean-squash system in southern Mexico) \$45,000, 1979-1981.

Ethics and Values in Science (NSF), Interdisciplinary Incentive Award (Social consequences of Agricultural Mechanization) \$20,000, 1981-1982.

National Science Foundation (Ecosystems) (Ecology of yield advantage in two intercrop ecosystems) \$109,000, 1982-1984.

National Science Foundation (International Program) (Plant competition theory and intercropping), \$16,000, 1983-1985.

Fullbright Award (Intercropping Studies), \$25,000, 1986-1987.

Research Partnership grant (University of Michigan) (with K. Nelson) \$ 21,000, 1989-1990.

Office of Vice President for Research University of Michigan (Coupled Predator Prey Equations), \$10,000, 1991-1992.

National Science Foundation (Rainforest Dynamics), \$160,000, 1989-1993.

Office of Vice President for Research, University of Michigan (Bridging funds for rain forest dynamics) \$10,000, 1994 - 1995.

Arthur Thurnau Distinguished Professorship. \$20,000, 1994.

National Science Foundation (Continued studies of rain forest dynamics) \$250,000, 1995 -1999.

Sokal Distinguished Faculty Award. \$25,000, 1996

Fullbright Senior Fellowship, the Netherlands, 1996-1997

Semper Verdens award (awarded to CIDCA from Ministry of Natural Resources) for best natural resources research project in Nicaragua, 1997

National Science Foundation (Role of agroecosystems in post agricultural succession). \$200,000. 1999 - 2002.

National Science Foundation (Continuing studies of hurricane-damaged rain forests in Nicaragua \$210, 000, 2002 - 2006.

Margaret Davis Collegiate Professor. 2002 - 2009.

MacIntyre Stennis grant (co PI with I. Perfecto, Forest succession in oak-dominated Michigan forests) -- \$10, 000, 2002 - Active.

National Science Foundation (co PI with I. Perfecto, Spatial scaling with an unusual food web structure: The case of *Azteca* spp. ants in the coffee agroecosystem of southern Mexico), \$500,000, 2004 - 2009 .

Sarah Goddard Power Award (for distinguished service award recognizing the status of women within the University of Michigan), 2008.

Imes and Moore Faculty Award (for exceptional contributions toward recruiting and mentoring graduate students in the natural sciences who come from disadvantaged and non-traditional backgrounds), 2009.

Special recognition from La Sociedad Científica Latinoamericana de Agroecología, 2011.

National Science Foundation (with co PIs J. Kurdziel and C. Badgley) ED-QUEST: Enhancing diversity, quality, and Understanding of the Ecological Sciences for Tomorrow. \$226,000, 2010-2012.

Harold R. Johnson Diversity Service Award, 2013.

U.S. Department of Agriculture (with co PI Ivette Perfecto) -- Understanding multifunctional landscapes within the model forest of Puerto Rico. \$500,000, 2017 - 2020.

U. S. Department of Agriculture (with co PI Ivette Perfecto) -- Post hurricane effects in the coffee system of Puerto Rico -- \$100,000, 2018 - 2021.

Graham Sustainability Institute, -- Reimagining Puerto Rico's Energy and Food Systems Through Community Engagement and Industrial Symbiosis (with co PIs Ivette Perfecto and Jose Alfaro), \$199,000, 2018 – 2024.

National Science Foundation (with co PI Ivette Perfecto). The ecology of critical transitions in pest control in Mexican coffee agroecosystems. \$500,000, 2019 – 2022.

Department of Health and Human Services, US. Incorporating biochar into urban agroecology. 2019 – 2022. \$14,140.

Editorial Positions

Associate Editor: Theoretical Population Biology, 1970-1978.

Consulting Editor: Journal of Mathematical Biology, 1974-1979.

Associate Editor: Capitalism, Socialism, and Nature, 1989 - 1991.

Associate Editor: Agroforestry Systems, 1998 - 2001

Consulting Editor: Agriculture and Human Values, 1986 - present.

Consulting Editor: Wani, (Nicaragua), 1991 – 2000.

Board of editors: Sustainable food systems and agroecology, 2011 – present.

Recent advisory boards and consultantships

Advisory Member, Biodiversity Program, Centro de Investigaciones y Documentación de la Costa Atlántica (CIDCA - Nicaragua) -- 1995 - 2009.

Michigan Representative for Agriculture, Midwest University Consortium for International Activities (MUCIA) -- 1992- 2009.

Group Leader (co leader with C. Ong), Biodiversity in Agriculture Focus, Global Change in Terrestrial Ecosystems (GCTE) -- 1994 - 1999.

Board of Trustees, Institute for Food and Development Policy, San Francisco -- 1998 - 2003.

Board Member, Organization for Tropical Studies (OTS) -- 1990 - 1999.

Advisory Board, Institute for Responsible Genetics -- 1987 - present.

Advisory Board, Institute for Central American Development Studies -- 1987 - present.

Associated faculty – Interdisciplinary Training Program in Infectious Disease (School of Public Health, University of Michigan). 2002 - present.

STRIDE committee (Science and Technology Recruiting for Diversity and Excellence), University of Michigan. 2002-2010.

Faculty associate, Agrarian University of Havana (Program on Agrarian Reform and Rural Development). 2005 – present.

Advisory Board, ADVANCE program, University of Michigan, 2010 - present

Recent Invited Seminars and Symposia (2000-2018)

Michigan State University (Department of Plants and Plant Pathology Seminar) 2000

University of Guelph, Guelph Ontario (Department of Zoology seminar) 2000

University of Miami, Miami Florida (Department of Biology seminar) 2000

William College, William Mass (General Seminar) 2000

- International Crop Science Society Meetings, Hamburg, Germany (Plenary Speaker) 2000
- University of Minnesota (Sustainable development program – General seminar) 2000
- University of California at Santa Cruz, (General Seminar, Environmental Studies) 2001
- Center for agricultural research and development (Havana, Cuba) – (Plenary talk on agricultural development in the Third World), 2001.
- Colegio de la Frontera Sur (San Cristobal de las Casas, Mexico) – Plenary talk on Biodiversity 2001
- Colegio de la Frontera Sur (Tapachula, Mexico) -- (Diplomado en Cafecultura) 2002
- Ecological Society of America (Symposium on Agroecology) 2002
- Ecological Society of America (Workshop on Chaos in Ecological Systems) 2002
- University of Michigan (Shipman series – Rainforest preservation) 2002
- University of Amsterdam (Biodiversity and ecosystem dynamics group) – (Symposium on complex dynamics in ecosystems), 2002
- University of Florence (Department of Animal Biology) (Lecture series on Biodiversity), 2003.
- University of Florence (Department of Applied Mathematics) (Ecosystems as coupled oscillators), 2003.
- Miami of Ohio (Department of Biology) Public lecture on biodiversity and agroecosystems, March 2003
- Andrews University (Departments of Biology and Mathematics) – General seminar on complex systems in ecology, 2003.
- McGill (Department of Biology) – General seminar on ecosystems as coupled oscillators, 2003.
- Bodoin College (Department of Biology) – General seminar on conservation in agroecosystems 2003.
- International Symposium on Complex Systems (Havana, Cuba), Invited speaker on coupled oscillators. 2004.

Agrarian University of Havana (Program on Agrarian Reform and Rural Development), Plenary Talk on agroecology and rural development. 2004.

Universidade Federal de Minas Gerais (Ecology Department), Brazil -- general seminar on conservation. 2004.

Universidade Federal de Vicosa, Minas Gerais (Agronomy Department), Brazil -- general seminar on conservation. 2004.

EMBRAPA (Brazilian Ministry of Agriculture), Seropégica, Brazil -- general seminar on matrix quality and agroforestry. 2004.

National Agroecological Meetings of Brazil, Porto Alegre, Brazil -- plenary speaker on conservation and agroecology. 2004.

University of Texas, general seminar on Women in Science, 2006.

Hope College (Joint Mathematics and Biology Seminar), 2006.

Colegio de la Frontera Sur, Tapachula, Mexico – general seminar, 2006.

Ecological Society of America, Annual Meeting – Symposium on Environmental Justice, 2006.

Colorado College – general seminar, 2006.

Rice University – General Seminar Biology Dept, 2007.

University of Minnesota – Seminar on Women in Science to Chairs and Directors of the Institute of Technology, 2007.

Howard University – General Seminar, Biology Department, 2007.

Ecological Society of America, Annual Meeting – Symposium on Agricultural Landscapes, 2007.

Wright State University -- Seminar on Women in Science. 2007.

EcoSummit, 2007, Beijing, China – Symposium on ecology in agricultural landscapes, 2007.

Association for Tropical Biology and Conservation – Plenary Speaker – Ecological theory, political reality and a new conservation paradigm, 2007.

Ohio State University – School of Environment and Natural Resources – General Seminar, 2007.

ATREE (Bangalore, India) – General Seminar. Ecological theory, political reality and a new conservation paradigm, 2008.

University of Chapingo – Texcoco Mexico -- Ecological theory, political reality and a new conservation paradigm, 2008.

University of Veracruz – Xalapa, Mexico -- Ecological theory, political reality and a new conservation paradigm, 2008.

University of Indiana – General seminar, Biology Dept. Agroecosystem complexity and pest control. 2008.

University of Vermont – Dept of Plant and Soil General seminar – agroecosystem complexity – 2008.

Eastern Michigan University – Dept of Biology General Seminar Agroecosystem complexity and pest control, 2008

University of Illinois – Deans and Dept. Chairs College of Engineering, Role of Women in Science – 2008

University of Illinois – Provost's special seminar, Role of Women in Science – 2008

Melbourne Australia – Plenary Speaker at the Encountering Darwin Symposium – 2009

Queensland University, Melbourne – General seminar, Biology Department – 2009

Michigan Technological University – Role of Women in Science -- 2009

ECOSUR -- General seminar to University Community – 2009

Morehouse College – General Seminar, Biology Department – 2009

University of Toledo – Graduate Student special speaker, Environmental Studies – 2009

Tropical Biology and Conservation Biology Symposium, Marburg, Germany – 2009

University of Kansas – Presentation of book “Nature's Matrix” -- 2010

University of Chapingo – Symposium: biodiversity in agriculture – 2010

Agriculture and global change symposium, Ecological Society of America – 2010

Michigan State University – Entomology department general seminar -- 2010

Oakland University, General Seminar, Physics Department – 2010

University of California, Berkeley, Natural Resources – 2011

CSIRO, Queensland, Australia, general seminar – 2011

University of Michigan, Distinguished University Professor lecture – 2011

SOCLA (Latin American Scientific Society for Agroecology) symposium – 2011

University of Michigan, Saturday Morning Physics lecture -- 2011

CNRO, France. Symposium on human-dominated ecosystems, Paris. – 2011

Centre D'Ecologie Fontionelle y Evolutive, general seminar, Montpellier, France – 2012

Ecological Society of America, Portland, Organized oral Session, -- 2012

Association of Tropical Biology and Conservation annual meeting, San Jose Costa Rica, invited symposium – 2013

INTECOL annual meeting, London, England, invited symposium -- 2013

Scripts College, invited seminar -- 2013

University of Mexico, invited seminar – 2013

Kellogg Biological Station, invited seminar – 2013

Barnard College (Columbia University), invited seminar -- 2013

University of Mass, Symposium on Science for the People, Plenary Talk – 2014

Presentation to FAO workshop on Coffee Rust (Panama) – 2015

Universität für Bodenkultur Wien (BOKU), Vienna Austria, invited seminar, -- 2015

Instituto de Ecologia, Xalapa, Veracruz, Mexico, invited seminar – 2015.

Ecological Society of America, Symposium on agroecology – 2015

Ecological Society of America, Organized oral session on theory in ecology – 2015

University of Florence, invited seminar – 2016

Presentation to ‘Coffee Rust Summit,’ Guatemala – 2016

Symposium on Coffee Rust, University of Puerto Rico – 2016

Earth day symposium on responsibility of scientists, Kalamazoo College – 2016

Symposium on intransitive loops, British Ecological Society annual meetings, 2016

Encuentro ConCiencias, Zapatista organization, Chiapas, Mexico, seminar on the nature of science, 2016

Universidad de Valle, Cali Colombia, Symposium on Agroecology, 2017

Cornel University, Crop and Soil Science, Dept. Seminar, 2017

Cornell University, Ecology and Evolution, special seminar, 2017

University of Oregon, Ecology and Evolution, 2017

University of Chapingo, Texcoco, Mexico, Dept of Agroecology, 2017.

Encuentro ConCiencias, Zapatista organization, Chiapas, Mexico, 2017

University of Mexico, general seminar, 2018.

University of Chicago, general seminar, 2018.

University of Zurich, general seminar, 2018.

Ecological Society of America, Symposium on ecological theory in agroecosystems -- 2018.

IMERA – Institute of Advanced Study, Marseille, France, General Seminar, 2018.

University of Vermont – Graduate Student invited seminar, 2018.

University of Kansas, Armitage Seminar, 2019.

Former Doctoral Students and Current Positions

William Durham	Stanford University, Prof. of Anthropology (retired)
Marlene Palmer	Formerly with IBM (lost contact)
Les Real	Emory University, Prof. of Biology
Catherine Bach	Eastern Michigan University, Prof. of Biology (retired)
Steven Risch	University of California, Berkeley (deceased)

Robert Glesener	Brevard College, Prof. of Biology
Diane DeSteven	Univ. of Wis. at Milwaukee, Prof. of Biology
Kay Dewey	Univ. of Calif. at Davis, Prof. of Nutrition
Katherine Yih	Mass. Dept. of Pub. Health. (Epidemiologist)
Michael Hansen	Institute for Consumer Policy Studies
Brian Schultz	Professor, Hampshire College
Peter Rosset	Professor, ECOSUR, Chiapas, Mexico
Hugh McGuinness	The Ross School, East Hampton, NY
Katherine Savoie	Analyst, The Ecology Center, Detroit
Margaret Reeves	Coordinator, Latin American Program of Pesticide Action Network
Eduardo Somarriba	CATIE, Costa Rica, Professor of agroecology
Ed Russel	University of Kansas, Professor of History
Kristen Nelson	Associate Professor of Natural Resources, University of Minnesota
Gerald Urquhart	Asst. Prof., Lyman Briggs College, Michigan State Univ.
Chris Picone	Assistant Professor, Mount Holyoke College
Bruce Ferguson	Professor, ECOSUR, Chiapas, Mexico
Dan Griffith	Post Doc, World Wildlife Institute, Nicaragua
Stacy Philpott	Professor, University of California, Santa Cruz
Krista McGuire	Associate Professor, University of Oregon
Javier Ruiz	Visiting Professor, URACCAN, Nicaragua
Jahi Chappell	Senior Research Fellow, Coventry University
Zach Miller	Post Doc, Montana State University
Shalane Jha	Associate Professor, University of Texas
Heidi Liere	Assistant Professor, University of Seattle
David Allen	Assistant Professor: Middlebury College
Doug Jackson	Senior Analyst, Eastern Research Group
Aaron Iverson	Assistant Professor, St. Lawrence University
Senay Yitbarek	Post Doc, UC Berkeley
Theresa Ong	Assistant Professor, Dartmouth College
Mariana Valencia	Lecturer, Loyola University, Chicago
Paul Glaum	Post Doc, University of Michigan
Beatriz Otero Jimenez	Post Doc, SUNY, Stonybrook.

Current Graduate Students

Gordon Fitch	PhD, EEB (chair)
Chatura Venata	PhD, EEB (chair)
Zachary Hijian-Forooshani	PhD, EEB (chair)
Nicholas Medina	PhD, EEB (chair)
Alexa White	PhD, EEB (co-chair)
Simone Oliphant	Masters (chair)

Recent teaching activities

Ecology of Agroecosystems (Co-taught with Ivette Perfecto and Zachary Hijian-foorooshani) at the University of Puerto Rico, Utuado campus – a one-week intensive course for undergraduate students in the agroecology program)/./

Ecological Complexity and Agroecology (Co-taught with Ivette Perfecto in 2018 in El Colegio de la Frontera Sur (ECOSUR), San Cristobal, Chiapas Mexico -- a one-week intensive course for graduate students in the agroecology program)

Food, energy and environmental justice (large, 180+ student undergraduate non-majors course dealing with sociopolitical issues surrounding food and energy, offered every year, 1980 - present)

The ecology of agricultural ecosystems (undergrad/graduate course offered every other year, 1990 - present).

Complex systems in ecology (undergrad/graduate course offered every other year, 1993-2004; 2019 - present).

Ecological Complexity (Co-taught with Ivette Perfecto in 2017 in the Universidad del Valle, Cali, Colombia)

Ecological Theory in agroecosystems (Co-taught with Ivette Perfecto in 2016 in the University of Florence, Florence, Italy)

Field Ecology (Co-taught with Ivette Perfecto, undergrad/graduate field course, offered every year, 1997 – 2003; 2006 - 2016)

Ecological Theory in agroecosystems (Co-taught with Ivette Perfecto in 2015 in Universität für Bodenkultur Wien (BOKU), Vienna Austria)

Biodiversity: Principles and applications (Co-taught with Ivette Perfecto, offered in 2001, 2002, 2003 and 2005 at the Colegio de la Frontera Sur, Chiapas, Mexico;; University of Florence, 2003; Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, 2004; University of Prague, Prague, Czech Republic, 2005; Chapingo, Mexico, and ECOSUR, Mexico, 2008; University of Puerto Rico, Casa Puebla, Puerto Rico, 2009).

Dynamics of neotropical rainforests (Co-taught with Ivette Perfecto, 2 week field course, taught in Spanish in Nicaragua, offered every year, 1989 - 2007).

Issues on Women in Science (co-taught with Abby Stewart) – 2006.

Elementary Biology (Bio 162) – Elementary course for Bio majors. 2001.

The ecology of populations (graduate course, offered every year, 1997 - 2000)

Books

- Perfecto, I., J. Vandermeer, and Angus Wright 2019. Nature's Matrix: Linking Agriculture, Conservation and Food Sovereignty, 2nd Edition, Earthscan, London.
- Vandermeer, J. and Perfecto, I., 2017. Ecological Complexity for Agroecology. Routledge, London.
- Perfecto, I., and J. Vandermeer. 2015. Coffee Agroecology. Routledge, London.
- Vandermeer, J. and D. E. Goldberg. 2013. Elementary Population Ecology, 2nd Edition, Princeton University Press.
- Vandermeer, J., 2010. The ecology of Agroecosystems, Bartlett and Jones, Sudbury, MA.
- Perfecto, I., J. Vandermeer, and Angus Wright 2009. Nature's Matrix: Linking Agriculture, Conservation and Food Sovereignty, Earthscan, London.
- Vandermeer, J., and I. Perfecto. 2005. A breakfast of biodiversity: The true causes of rain forest destruction (second edition). (Vandermeer and Perfecto). Institute for Food and Development Policy.
- Vandermeer, J., and D. Goldberg. 2003. Elementary Population Ecology (with D. Goldberg) Princeton University Press.
- Vandermeer, J., (ed). 2003. Tropical Agroecosystems (edited volume). CRC Press, Boca Raton.
- Vandermeer, J., 1996. Reconstructing Biology: Genetics and Ecology in the New World Order. 478 pgs. Wiley and sons, NY.
- Vandermeer, J. and I. Perfecto. 1995. A breakfast of biodiversity: The true causes of rain forest destruction 180 pgs. Institute for Food and Development Policy.
- Carroll, R., J. Vandermeer and P. Rosset. 1990. Agroecology (coedited with Carroll and Rosset), 641 pgs., MacMillan.
- Vandermeer, J. 1989. The Ecology of Intercropping Systems. Cambridge University Press. 237 pgs.
- Rosset, P., and J. Vandermeer. (eds) 1986. Nicaragua: Unfinished Revolution. Grove Press, 505 pgs.

Rosset, P., and J. Vandermeer (eds). 1983. *The Nicaraguan Reader. Documents of a Revolution Under Fire.* Grove Press, 362 pgs.

Vandermeer, J. 1981. *Elementary Mathematical Ecology.* 294 pgs. Wiley and Sons.

Boucher, D., K. Dewey, S. Schneider, J. Stout and J. Vandermeer (eds). 1977. *Biology as a social weapon.* Burgess Press, Minneapolis. (1977)

Book reviews

Perspectives in ecological theory, Ramon Margalef. *Quart. Rev. of Biol.* 45:214-216. (1970)

Mathematics for biologists. Crow and Crow. *Quart. Rev. of Biol.* 45:231-232. (1970)

Geographical Ecology. MacArthur (Janzen and Vandermeer). *J. Ecol.* 61:621-622. (1973)

Theoretical Ecology: Principles and Applications. May, *Mathematical Biophysics*, 1978. (1978)

Environment, Principles and Applications. *Bioscience* 33:222. (1983)

Community Structure and the Niche. *Quart. Rev. of Biol.* 60:531-532. (1985)

Ecology of Tropical Food Crops. Norman et al. *Quart. Rev. of Biol.* 61:109-110. (1986)

An ecosystem worthy of study. Multiple cropping systems. Francis, *Ecology* 69:293-294. (1988)

Crop Ecology. Loomis and Conner, *Quarterly Review of Biology*, (1994)

Long-term Experiments in Agricultural and Ecological Sciences, Leigh, R. A. and A. E. Johnston (eds). *Quarterly Review of Biology*, 71:288-289 (1996).

Tree-Crop Interactions: A Physiological Approach. Ong and Huxley. *Quarterly Review of Biology*, 73:78-79 (1998).

Biodiversity in agroecosystems, Collins and Qualset, *Quarterly Review of Biology*, 75:210-211 (2000).

Chaos in ecology, Cushing et al. *Quarterly Review of Biology*, 79:104-106 (2004).

Niche construction. Olding-Smee et al., *Science* 303:472-474 (2004).

Yes, Ecology is Hard. *Bioscience* 61:485-487 (2011).

Climate Change Mitigation and Agriculture by Eva Wollenberg, Alison Nihart, Marja-Liisa Tapio-Biström and Maryanne Grieg-Gran, Routledge, New York, Earthscan, Routledge, 2011, 456 pages, ISBN 978-1-84971-393-1: *Journal of Peasant Studies*, in press

Laura Lappé. 2012. Diet for a small planet. The climate crisis at the end of your fork and what you can do about it. *Journal of Agricultural and Environmental Ethics*, 25:927-928.

Wallace, Robert. "Big farms make big flu: dispatches on infectious disease, agribusiness, and the nature of science." *Quarterly Review of Biology* (2017): 345-346.

Book chapters

Ecological determinism. In: *Biology as a Social Weapon*, Burgess Pub. Co., Minneapolis, Minn. (1977)

An ecological overview of the agroecosystems of Costa Rica and their potential use for studies. (Boucher et al.) in Janzen ed. *Costa Rican Natural History*, 66-73. Univ. Chic. Press. (1983)

Mathematical Ecology. *McGraw Hill Encyclopedia of Science and Technology*. 274-277. (1983)

African Oil Palm. in Janzen ed., *Costa Rican Natural History*, pp. 73-75. Univ. of Chic. Press. (1983)

Banana. in Janzen, ed., *Costa Rican Natural History*, pp. 75-77. Univ. of Chic. Press. (1983)

Coconut. in Janzen, ed., *Costa Rican Natural History*, pp. 85-86. Univ. of Chic. Press. (1983)

Pejibaye Palm. in Janzen, ed., *Costa Rican Natural History*, pp. 98-101. Univ. of Chic. Press. (1983)

Welfia georgii. in Janzen, ed., *Costa Rican Natural History*, pp. 346-349. Univ. of Chic. Press. (1983)

The evolution of mutualism. in Shorrocks, ed. *Evolutionary Ecology*. Blackweell. (1984)

Indirect mutualism (Vandermeer et al.). in D. Boucher, ed. *Mutualism*. Croom Helm, London. pp. 326-343. (1985)

Climate and the geography of agriculture (Rice and Vandermeer) in Carroll et al. eds. *Agroecology*. MacMillan (1990)

The origin of agriculture (Minc and Vandermeer). in Carroll et al. eds. *Agroecology*. MacMillan (1990)

The theory of intercropping. in Carroll et al. eds. *Agroecology*. MacMillan (1990)

The agroecosystem embedded in a complex system. (Levins and Vandermeer) in Carroll et al. eds. *Agroecology*. MacMillan (1990)

Variability, stability, and risk in intercropping: some theoretical explorations (Vandermeer and Schultz). in S. Gliessman (ed) *Current topics in agroecology*, Plenum Press. (1990).

Intercropping and Agroforestry: A perspective from ecological theory. Shinosi, ed. *Ecological Processes in Agro-Ecosystems*, Nat. Inst. of Agro-Environmental Sciences, Tukaba, Japan. (1993).

Agroecosystem complexity, productivity and sustainability (Anderson, Ong, and Vandermeer) in Swift, M. J. and J. S. I. Ingram (eds) *Effects of Global Change on Multi-species Agroecosystems*. GCTE Focus 3 office, Wallingford, UK (1996).

The human niche and rainforest preservation in southern Central America. in Sponsel, L. E., T. H. Headland, and R. C. Bailey (eds) *Tropical Deforestation: The Human Dimension*. Columbia Univ. Press, New York (1996).

Monitoring health risks and environmental change (Epstein, Dobson and Vandermeer) pp 60-86 in Grifo, F. and J. Rosenthal (eds), *Biodiversity and Human Health*. Island Press, Washington DC. 379pp. (1996)

Biodiversity loss in and around agroecosystems. pp. 111-127 in Grifo, F. and J. Rosenthal (eds), *Biodiversity and Human Health*. Island Press, Washington DC. 379pp. (1996)

Biological diversity and ecosystem processes. (Swift, Vandermeer, Ramakrishnan, Anderson, Ong, and Hawkins) In: Mooney, H. A., J. Lubchenco, R. Dirzo, and O. E. Sala (eds) *Biodiversity and ecosystem functioning: Ecosystem analyses*. pp. 433-443. *Global Diversity Assessment*, Cambridge Univ. Press. (1996)

The agroecosystem: The modern vision in crisis, the alternative evolving. in Singh, R., C. Krimbas, D. Paul, and J. Beatty (eds) *Thinking about evolution: Historical, philosophical and political perspectives* Cambridge University Press, Cambridge (2000).

Effect of biodiversity on ecosystem function in managed ecosystems (Vandermeer, Lawrence, Symstad, Hobbie) in Laureau, Naem, and Inchausti (eds) “Biodiversity and Ecosystem Functioning” Oxford U. press, (2002)

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