




Rosamond Naylor

William Wrigley Professor, Senior Fellow at the Woods Institute for the Environment and at the Freeman Spogli Institute for International Studies and Professor, by courtesy, of Economics

Earth System Science

 NIH Biosketch available Online

 Curriculum Vitae available Online

Bio

BIO

Rosamond (Roz) Naylor is the William Wrigley Professor of Earth System Science, Professor (by courtesy) in Economics, and founding Director of the Center on Food Security and the Environment (FSE) at Stanford University. She received her PhD from Stanford University in applied economics, her Masters in economics from the London School of Economics, and her Bachelors degree(s) in economics and environmental science from the University of Colorado.

ACADEMIC APPOINTMENTS

- Professor, Earth System Science
- Senior Fellow, Freeman Spogli Institute for International Studies
- Senior Fellow, Stanford Woods Institute for the Environment
- Professor (By courtesy), Economics
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Director of Studies, Goldman Interschool Honors Program in Environmental Science, Technology, and Policy, Stanford, (1992- present)
- Julie Wrigley Senior Fellow, Center for Environmental Science and Policy, Stanford University, (2000-2007)
- Associate Professor by courtesy, Department of Economics, Stanford University, (2000- present)
- Director, Center in Food Security and the Environment, Stanford University, (2005-2018)
- William Wrigley Senior Fellow, Freeman Spogli Institute for International Studies & Stanford Woods Institute for the Environment, (2007-2014)
- Professor, Environmental Earth Systems Science, Stanford University, (2009- present)
- William Wrigley Professor, School of Earth Sciences, (2014- present)

HONORS AND AWARDS

- McNamara Post-doc Fellowship, The World Bank (1990 - 1991)
- Pew Fellow in Environment and Conservation, . (1994)
- Aldo Leopold Leadership Fellow, . (1999 - Present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Science Advisor, United Nations' Secretary General Ban Ki-Moon initiative on Sustainable Development (2013 - present)
- Trustee, The Nature Conservancy, California Chapter (2012 - present)
- Associate Editor, Journal on Food Security (2012 - present)

- Editorial Board, Global Food Security (2012 - present)
- Member, Search Committee for Director of Freeman Spogli Institute, Stanford University (2012 - 2013)
- Member, Scientific Board of the Beijer Institute, Stockholm (2011 - present)
- Member, Advisory Panel for the African Human Development Report at UNDP (United Nations Development Program) (2011 - present)
- Member, U.S. National Committee for the Pacific Science Association, National Academy of Sciences (2010 - 2011)
- Member, Oversight Committee, International Relations Program, Stanford University (2010 - present)
- Member, Faculty Advisory Council, The Bill Lane Center for the American West, Stanford University (2009 - present)
- Editorial Board, Aquaculture Environment Interactions (2009 - present)
- Member of the Steering Committee, Freeman Spogli Institute for International Studies, Stanford University (2008 - present)
- Member, Executive Committee, Earth Systems Science Program, Stanford University (2008 - present)
- Member, Advisory Committee, E-IPER, Stanford University (2008 - present)
- Editorial Board, Environmental Research Letters (2007 - 2011)
- Editorial Board, Reviews in Aquaculture (2007 - 2011)
- Member of the Advisory Board, Pew Fellows Program in Marine Science (2007 - 2010)
- Judge, Risser Environmental Journalism Prize for the American West (2006 - 2006)
- Environmental Ventures Program, Woods Institute of the Environment, Stanford University (2006 - 2009)
- Member, Faculty Steering Committee, International Policy Studies Program, Stanford University (2006 - present)
- Member, Selection Committee, Aldo Leopold Leadership Program (2005 - 2009)
- Member, Scientific Advisory Board, COMPASS (Communication Partnership for Science and the Sea) (2005 - 2009)
- Co-Chair, Environmental Ventures Program, Woods Institute of the Environment, Stanford University (2004 - 2006)
- Editorial Board, Annual Review of Environment and Resources (2004 - 2008)
- Member, NRC Committee on "Alaska Yukon Salmon: Research and Restoration Priorities". National Academy of Sciences (2003 - 2005)
- Member, Oversight Committee for the Collaborative Crop Improvement Program, McKnight Foundation (1998 - 2009)
- Undergraduate Advisor, International Relations Program, Stanford University (1996 - present)
- Undergraduate Advisor, Human Biology Program, Stanford University (1996 - present)

PROGRAM AFFILIATIONS

- Center for East Asian Studies
- Center for Latin American Studies
- Program in International Relations

PROFESSIONAL EDUCATION

- PhD, Food Research Institute, Stanford University , Applied Economics (1989)
- MSc, London School of Economics , Economics (1981)
- MA, University of Colorado Boulder , Economics and Environmental Conservation (1980)

LINKS

- Center on Food Security and the Environment: <http://fse.fsi.stanford.edu/>
- Freeman Spogli Institute for International Studies: <http://fsi.stanford.edu/people/rosamondnaylor/>
- Stanford Woods Institute for the Environment: <https://woods.stanford.edu/about/woods-faculty/rosamond-naylor>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Research Activities:

My research focuses on the environmental and equity dimensions of intensive food production systems, and the food security dimensions of low-input systems. I have been involved in a number of field-level research projects around the world and have published widely on issues related to climate impacts on agriculture, distributed irrigation systems for diversified cropping, nutrient use and loss in agriculture, biotechnology, aquaculture and livestock production, biofuels development, food price volatility, and food policy analysis.

Teaching Activities:

I teach courses on the world food economy, food and security, aquaculture science and policy, human society and environmental change, and food-water-health linkages. These courses are offered to graduate and undergraduate students through the departments of Earth System Science, Economics, History, and International Relations.

Professional Activities:

William Wrigley Professor of Earth Science (2015 - Present); Professor in Earth System Science (2009-present); Director, Stanford Center on Food Security and the Environment (2005-2018); Associate Professor of Economics by courtesy (2000-present); William Wrigley Senior Fellow, Freeman Spogli Institute for International Studies and the Woods Institute for the Environment (2007-2015); Trustee, The Nature Conservancy CA program (2012-present); Member of the Scientific Advisory Board for the Beijer Institute for Ecological Economics in Stockholm (2011-present), for the Aspen Global Change Institute (2011-present), and for the Aldo Leopold Leadership Program (2012-present); Aldo Leopold Leadership Fellow in Environmental Science and Public Policy (1999); Pew Fellow in Conservation and the Environment (1994). Associate Editor for the Journal on Food Security (2012-present). Editorial board member for Aquaculture-Environment Interactions (2009-present) and Global Food Security (2012-present).

PROJECTS

- Solar Market Gardens as a Tool for Rural Development - Stanford University (7/1/2010 - present)
- Rural Health & Development at the Food-Water Nexus - Stanford University (July 1, 2011 - present)
- Aquaculture in China and its Role in Global Markets and Resources - Stanford University (9/1/2012 - August 31, 2014)
- Globalization, Trade, and the Environment: The case of Brazil - Stanford University
- Lead Contaminated Topsoil and Food in Rural Bangladesh - Stanford University (July 1, 2013 - present)
- Climate Variability and Global Food Security - Stanford University (September 1, 2013 - present)
- The Importance of Marine Fisheries and Ecosystems for Food In China - Stanford University (September 1, 2013 - present)

Teaching

COURSES

2019-20

- Human Society and Environmental Change: EARTHSYS 112, EARTHSYS 212, ESS 112, HISTORY 103D (Aut)
- World Food Economy: EARTHSYS 106, EARTHSYS 206, ECON 106, ECON 206, ESS 106, ESS 206 (Spr)

2018-19

- World Food Economy: EARTHSYS 106, EARTHSYS 206, ECON 106, ECON 206, ESS 106, ESS 206 (Win)

2017-18

- Food and security: EARTHSYS 61Q, ESS 61Q, INTNLREL 61Q (Aut)
- Human Society and Environmental Change: EARTHSYS 112, EARTHSYS 212, ESS 112, HISTORY 103D (Aut)
- Why are Scientists Engineering Our Food?: EARTHSYS 106C (Spr)

2016-17

- Human Society and Environmental Change: EARTHSYS 112, ESS 112, HISTORY 103D (Aut)
- World Food Economy: EARTHSYS 106, EARTHSYS 206, ECON 106, ESS 106, ESS 206 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Advisor (AC)

Ju Young Lee

Doctoral Dissertation Co-Advisor (AC)

Cesar Lopez, Casey Maue

Doctoral (Program)

Ju Young Lee, Sudatta Ray