Judaism and Climate Change: Science, Theology, and Ethics

Judaism, Science and Medicine Group Annual Conference

online via Zoom | jewishstudies.asu.edu/science

10 a.m.–5:30 p.m. (MST)
10–10:15 a.m. welcome
Hava Tirosh-Samuelson, Director of Jewish Studies
Arizona State University

10:15–11:15 a.m. The Dr. Michael Anbar Memorial Keynote Lecture in Judaism, Science and Medicine
chair: Evan Berry | Arizona State University

keynote address
The Environmental Crisis: What Do We Have to Teach?
What Do We Have to Learn?
Roger S. Gottlieb | Worcester Polytechnic Institute

11:15–11:30 a.m. break

11:30 a.m.–12:45 p.m. Planetary Habitability: Earth and Beyond
chair: Forrest Clingerman | Ohio Northern University

Science as a Complex System: What We Need to Know
Ariel Anbar | Arizona State University

Alone in the Universe: Why We and Our Planet Earth Are Exceptional
Howard Smith | Harvard University

Climate Science and Public Policy: The Challenge of Science as an Ongoing Process
Peter Rez | Arizona State University

12:45–1 p.m. break
afternoon sessions | 1–5:30 p.m. (MST)

1–2:15 p.m.  
**Climate Change and Environmental Health**  
chair: David Eisenman | UCLA

- **Climate Change and the Future of Our Cities**  
  Bernice R. Rosenzweig | Sara Lawrence College

- **One Health Movement: Human Health, Animal Health and Environmental Health**  
  Dr. Michael Kosoy | KB One Health LLC

- **Earth, Climate, and Public Health: Judaism and the Sacred**  
  Rabbi and Dr. Nancy E. Epstein | Drexel University

2:15–2:30 p.m.  
**break**

2:30–3:45 p.m.  
**Environmental Theology and Ethics**  
chair: Joel Gereboff | Arizona State University

- **A Biblical Eco-Theology**  
  Rabbi Ellen Bernstein | Founder of Shomrei Adamah

- **Voices from Tradition: Modern Jewish Spirituality and Theological Responses to Climate Change**  
  Professor and Rabbi Ariel Evan Maise | Stanford University

- **The Environment in Halakhic Decision Making: Self Interest and Compassion**  
  Tanhum Yoreh | University of Toronto

3:45–4 p.m.  
**break**

4–5:15 p.m.  
**Environmental Activism: Judaism, Ecology, and Social Change**  
chair: Hava Tirosh-Samuelson | Arizona State University

**panelists**
- Rabbi Fred Scherlinder Dobb | Adat Shalom Reconstructionist Congregation, Bethesda, Maryland/ Interfaith Power and Light
- Dr. Mirele Goldsmith | co-chairperson, Jewish Earth Alliance
- Rabbi Jenny Rosenn | Dayenu, Jewish Call for Climate Action
- Rabbi Sophia Motzkin Rubenstein | Temple Beth Israel, Eugene, Oregon
- Rabbi Shmuly Yanklowitz | Valley Beit Midrash, Phoenix, Arizona

5:15–5:30 p.m.  
**closing discussion**
The Judaism, Science and Medicine Group (JSMG), is an international organization of natural and social scientists, philosophers, historians, physicians, rabbis, theologians and educators acting to promote and facilitate a close relationship between Jewish religion, cultures and values and the sciences for mutual benefit. The organization seeks to increase the knowledge and appreciation of the sciences, Judaism and their interrelation and to offer a forum to reflect and deliberate on the implications of scientific advances from Jewish perspectives. Working across denominational lines, the organization will disseminate its mission in academic and non-academic venues using a variety of media.

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