

Islam and Ecology Bibliography

Bibliography by: Richard Foltz, *University of Florida*
and The Forum on Religion and Ecology

Abdul-Matin, Ibrahim. *Green Deen: What Islam Teaches About Protecting the Planet*. San Francisco, CA: Berrett-Koehler Publishers, 2010.

In this book, Ibrahim Abdul-Matin draws on research, scripture, and interviews with Muslim Americans to trace Islam's dedication to humankind's collective role as stewards of the Earth. Abdul-Matin points out that the Prophet Muhammad declared that "the Earth is a mosque." *Deen* means "path" or "way" in Arabic. The author offers several examples of how Muslims can follow, and already are following, a Green Deen in four areas: "waste, watts (energy), water and food." While this book is focused on Islam, it is intended to address people of all beliefs so that everyone can appreciate the contributions that Islam and Muslims bring to the environmental movement.

Abu-Sway, Mustafa. "Toward an Islamic Jurisprudence of the Environment" (*Fiqh al-Bi'ah f'il-Islam*). Lecture presented at Belfast mosque, February 1998. Updated 20 June 1999 <http://homepages.iol.ie/~afifi/Articles/environment.htm> (cited 14 August 2001).

_____. *Islam: The Environment and Health*. Qualbert, SA: Islamic Medical Association of South Africa, 1999.

Ackerman, Denise, and Tahira Joyner. "Earth-Healing in South Africa: Challenges to Church and Mosque." In *Women Healing Earth: Third World Women on Ecology, Feminism, and Religion*, ed. Rosemary Radford Ruether, 121–34. Maryknoll, N.Y.: Orbis, 1996.

Aftab, Tahera. "Text and Practice: Women and Nature in Islam." In *Custodians of the Earth? Women, Spirituality and the Environment*. Alaine Low and Soraya Tremayne, eds. Oxford, UK: Berghahn Books, 2001.

This essay links the ethical framework of the Qur'an and the misinterpretation of that framework by males in positions of authority. Though, as the author makes clear, the Qur'an is clear in setting out an ethic of equity and justice for all, sadly it has been perverted, especially by Muslim fundamentalists, into an ideology of hatred, oppression and violence against women. The author suggests that Muslim women must regain access to the land and to nature in order to enjoy and attain true freedom. In some areas women are taking active roles in reestablishing this link through the Qur'an and Islam and through a variety of women's organizations.

Agwan, A. R. ed. *Islam and the Environment*. New Delhi: Institute of Objective Studies, 1997.
Ahmad, Ali. *A Cosmopolitan Orientation of International Environmental Law: An Islamic Law Genre*. Lanham, Md.: University Press of America, 2001.

From the Publisher: The process of regulation in the field of international

environmental law belies the complexity of environmental issues that need to be addressed in managing global environmental resources. Although the regulatory process has succeeded in elevating the acknowledgement of a new set of ideas and concepts toward sustainable development, it has not had success in elevating those concepts into a set of determinative norms or rules. This book, written by an international lawyer, stresses the futility of a state-centric approach to a planet-wide phenomenon that the environmental issue presents.

_____. "Islamic Water Law as an Antidote for Maintaining Water Quality." *University of Denver Water Law Review* 2, no. 2 (Spring 1999): 170–88.

Ahmad, Akhtaruddin. *Islam and the Environmental Crisis*. London: Ta-Ha Publishers, 1998.

Ajmal, Mohammed. "Islam and Ecological Problems." In *Quest for New Science*, eds. Rais Ahmed and S. Naseem Ahmed, 215–20. Aligarh: Centre for Studies on Science, 1984.

Al-Amin, Hi'at Muhammad. *Al-fiqhah al-b'at*. Beirut: Mu'assasat al-wa 'i al-islami, 1420 (2000).

Alhilaly, Tajuddin H. "Islam and Ecology," trans. Keysar Trad, 1993. updated n.d. <http://www.speednet.com.au/~keysar/ecology.htm> (cited 14 August 2001).

Al-Jayyousi, Odeh Rashed. *Islam and Sustainable Development: New Worldviews*. Surrey, England: Gower Publishing, 2012.

This book addresses the social, human, and economic dimensions of sustainability from an Islamic perspective. Islam is sometimes viewed as a challenge, threat and risk to the West, but here we are reminded that the celebration of cultural diversity is a key component in Islamic values. Promoting common understanding between East and West, this American-educated, Middle Eastern-based author offers something broader and deeper than conventional Western ways of thinking about sustainability and presents new insights inspired by Islamic worldviews.

Al-Safa, Ikhwan. *The Animals' Lawsuit Against Humanity: An Illustrated 10th Century Iraqi Ecological Fable*. Translated by Anson Laytner. Louisville, KY: Fons Vitae, 2005.

This book is an illustrated presentation of a fable that is relevant to interfaith and multicultural perspectives on animals and the environment. The fable involves a trial in which humans and animals testify before a Spirit King about whether the human treatment of animals is fair. The ancient antecedents of this tale are thought to have originated in India, with the first written version penned in Arabic sometime before the 10th century in what is now Iraq. This English translation includes twelve original color illumination plates.

Ammar, Nawal H. "Islam and Deep Ecology." In *Deep Ecology and World Religions: New Essays on Sacred Ground*, eds. David Landis Barnhill and Roger S. Gottlieb, 193–211. Albany, N.Y.: State University of New York Press, 2001.

_____. "An Islamic Response to the Manifest Ecological Crisis: Issues of Justice." In *Visions of a New Earth: Religious Perspectives on Population, Consumption, and Ecology*, eds. Harold Coward and Daniel C. Maguire, 131–46. Albany, N.Y.: State University of New York Press, 2000.

Utilizing a revelatory methodology, Ammar proposes the concept of *hay'a* (shyness with reverence and respect) as a guiding principle for Muslim environmental action. She focuses on issues such as Muslim economic and political livelihood, distributive justice, rights of the community over the individual, just leadership, attitudes toward women, and women's relationship to population control.

_____. "Islam and the Environment: A Legalistic and Textual View." In *Population, Consumption, and the Environment: Religious and Secular Responses*, eds. Harold Coward and Daniel C. Maguire, 67. Albany, N.Y.: State University of New York Press, 1995.

With no intention to present the Islamic view, Ammar introduces an Islamic ethical paradigm supported by the Qur'an, Hadiths, Sunnah, and Sharia'h. She explains that the meaning of "ethics" can be understood in Islamic terms as *hay'a*, the state of respect and/or practice of good deeds. Ammar provides clear ethical guidelines regarding natural resources (conservation, sharing, treating with kindness), and protected and preserved land designations. She concludes with the suggestion that any discussion on the environmental crisis should remain sensitive to cultural issues.

Asmal, Abdul Cader, and Mohammed Asmal. "As Islamic Perspective." In *Consumption, Population, and Sustainability: Perspectives from Science and Religion*, eds. Audrey Chapman, Rodney Peterson, and Barbara Smith-Moran, 157–65. Washington, D.C.: Island Press, 2000.

Ayduz, Davud. "The Approach to the Environment Question of the Qur'an and its Contemporary Commentary, the Risale-i Nur." Paper presented at the Fourth International Symposium on Bediuzzaman Said Nursi: A Contemporary Approach Toward Understanding the Qur'an: The Example of Risale-i Nur, Istanbul, Turkey, 20–22 September 1998.

Ba Kader, Abou Bakr Ahmed. *Environmental Protection in Islam*. Washington, D.C.: Island Press, 1995.

Originally prepared for the Kingdom of Saudi Arabia in English, French, and Arabic, this document was later considered to have international appeal. Beginning with a description of an Islamic attitude toward the universe and human/nature relations, the document broadens its scope to include topics on conservation of natural resources, protection from harmful impacts of products and processes generated by humans, and viable legislative principles, policies, and institutions.

Ba Kader, Abou Bakr Ahmed, Abdul Latif Tawfik El Shirazy Al Sabagh, Mohamed Al Sayyed Al Glenid, and Mawil Y. Izzi Deen. *Islamic Principles for the Conservation of the Natural Environment*. 2d ed. Gland, Switzerland: International Union for Conservation of Nature and Natural Resources, 1983.

Ba Ubaid, Ali Yeslam. "Environment, Ethics, and Design: An Inquiry into the Ethical Underpinnings for a Contemporary Muslim Environmentalism and its Environmental Design Implications." Ph.D. diss., University of Pennsylvania, 1999.

This dissertation begins with a survey of historical shifts in the idea of nature in Western thought and the frustrations of the prevailing paradigms of modernism. Building on the dynamic nature of Islam as a framework for thought and life, the author then re-constructs some relevant Islamic precepts in support of a higher sensitivity towards nature and environment and still relevant to contemporary living. The final product of the study depicts actual and potential applications for the aforementioned set of ecological design principles and themes in the recent experience of Riyadh, Saudi Arabia. The conclusions point out a future direction for local environmental design thinking and practice.

Bagader, Abubakr Ahmed, Abdullatif Tawfik El-Chirazi El-Sabbagh, Mohamad As-Sayyid Al-Glayand, Mawil Yousuf Izzi-Deen Samarrai, and Othman Abd-ar-Rahman Llewellyn. "Environmental Protection in Islam." International Union for the Conservation of Nature (IUCN) Environmental Policy and Law Paper No. 20. 2nd Revised Edition. Gland, Switzerland and Cambridge, UK: IUCN, 1994. http://cmsdata.iucn.org/downloads/eplp_020reven.pdf

Bagir, Zainal Abidin, and Najiyah Martiam. "Islam" in *Routledge Handbook of Religion and Ecology*. Edited by Willis Jenkins, Mary Evelyn Tucker, and John Grim, 79-87. London and New York: Routledge, 2017.

This chapter provides an overview of the ways in which Islam and Muslims conceive of ecology and human-Earth relations, highlighting Islamic concepts including khalifa, shari'a, and hadith. Along with this chapter, the *Routledge Handbook of Religion and Ecology* includes several other chapters, many of which address Islam and ecology or related topics.

Ban, E.G. *The Constant Feud: Forest vs. Desert*. New York, NY: Gefen, 1999.

From the Publisher: This controversial book argues that human history is determined by the environment and human behaviors alone. As a result of the last ice age, a once verdant garden of Eden was transformed into the barren deserts of today's North Africa and the Middle East, while Europe's glacier cover to be gradually replaced by thick, fertile forests. According to author, it is this environmental shift - which spurred the advent of agriculture, civilization and modern religion - that is the root cause of today's conflict between Islam and the West.

Barnhill, David, and Roger Gottlieb, eds. *Deep Ecology and World Religions: New Essays on Sacred Ground*. Albany, NY: SUNY, 2001.

This is a collection of thirteen new essays on the relationship between world religions and deep ecology. In examining how deep ecologists and the various religious traditions can both learn from and critique one another, the following traditions are considered: indigenous cultures, Hinduism, Buddhism, Taoism, Confucianism, Judaism, Catholicism, Islam, Protestantism, Christian ecofeminism, and New Age spirituality.

Contributors include Nawal Ammar, David Landis Barnhill, John E. Carroll, Christopher Key Chapple, John B. Cobb Jr., Roger S. Gottlieb, John A. Grim, Eric Katz, Jordan Paper, Rosemary Radford Ruether, Mary Evelyn Tucker, and Michael E. Zimmerman.

Bivins, Mary W. "Women, Ecology, and Islam in the Making of Modern Hausa Cultural History." Ph.D. diss., Michigan State University, 1994.

This dissertation is a study of Islamic Hausa women in the West African Republics of Nigeria and Niger from the 1800s to the present, and the unique roles they played in shaping, even at times defining, modern Hausa culture. The dissertation concludes that the blending of Hausa notions of gender, ethnicity and Islam empowered Hausa women's participation in the economic transformation of the nineteenth century Hausa landscape and the Hausa response to European conquest. The historical connections between women, gender, ethnicity and Islam are essential to understanding the influence of the past on the present in Hausa culture and political movements.

Bousquet, G. "Des animaux et de leur traitement selon le Judaïsme, le Christianisme et l'islam." *Studia Islamica* 9 (1958): 31–48.

Bousquet distinguishes the religions of the Far East and India from those of the West by virtue of their understanding of human and animal nature. However, while there are fundamental similarities among the Western religions, Bousquet states that there can be large differences in their details. He draws on the legal, scriptural, and philosophical texts of the Jewish, Christian, and Islamic traditions in order to support his observation that Christianity has less to say about the treatment of animals than either Islam or Judaism.

Bryer, Jenny Banks. "Science and the Environment Symposium II: The Black Sea in Crisis." *Islam and Christian-Muslim Relations* 10(March 1999): 69-76.

This article explores the history of the "Religion, Science, and The Environment" initiative in the Eastern Mediterranean/Black Sea region, which dates to 1988. This initiative brings Jews, Muslims, and Christians (Orthodox, Catholic, and Protestant), and environmental scientists together to discuss how best to protect and rehabilitate the ecosystem of the Black Sea (and the Rivers that feed into it, especially the Danube). This article focuses on the outcome of the September 1997 conference, at which a set of principles for protecting the Black Sea was articulated.

Callicott, J. Baird. "The Historical Roots of Western European Environmental Attitudes and Values: Islam." In *Earth's Insights: A Multicultural Survey of Ecological Ethics from the Mediterranean Basin to the Australian Outback*, 30–36. Berkeley, Calif.: University of California Press, 1994.

Analyzed in terms of the despotic, stewardship, and citizenship models introduced by Callicott, Islam is found to be "unambiguously" anthropocentric. In this short section, he focuses on one tenth-century manuscript, *The Case of the Animals versus Man Before the King of the Jinn*, in order to demonstrate its environmental ethic based on

an Islamic understanding of humankind's rule over the earth guided by virtues of obedience to God, good character, and good works.

Canan, Ibrahim. *Environmental Ethics in the Light of the Hadiths* (In Turkish). Istanbul: New Asia Press, 1995.

_____. "Environment in Islam." *Yeni Turkiye* 5 (July-August 1995): 27–38.

Canatan, Kadir. "The Paradigmatic Background to the Ecological Crisis and Said Nursi's Cosmological Teachings." Paper presented at the Fourth International Symposium on Bediuzzaman Said Nursi: A Contemporary Approach Toward Understanding the Qur'an: The Example of Risale-i Nur, Istanbul, Turkey, 20–22 September 1998.

Chee Yoke Ling. *Humanity Must Protect Nature: What Islam, Taoism, Hinduism, and Christianity Have to Say about Environmental Protection*. Penang, Malaysia: Third World Science Movement, Consumers Association of Penang, n.d.

Chittick, William. "God Surrounds All Things: An Islamic Perspective on the Environment." *The World and I* 1, no. 6 (June 1986): 671–78.

Damad, Mostafa Mohaghegh. "A Discourse on Nature and Environment from an Islamic Perspective." Tehran: Department of the Environment, 2001. updated n.d. <http://www.ir-doe.org/hamaiesh/pub2.htm> (cited 24 August 2001).

Department of Environmental Protection. *Majmu 'e-ye maqalat-e avalin hamayesh-e eslam va mohit-e zist*. Papers from the first conference on Islam and the Environment. Tehran: Department of Environmental Protection, 1378 (1999).

Dutton, Yasin. "Islam and the Environment: A Framework for Inquiry." *Faiths and the Environment: Conference Papers*, 46–70. Faith in Dialogue, no. 1. London: Centre for Inter-Faith Dialogue, 1996.

Dwivedi, O. P., ed. *World Religions and the Environment*. New Delhi: Gilanjal Publishing House, 1989.

El-Malik, Walied M. H. *Minerals Investment Under Shari'a Law*. Kluwer Law International, 1993.

Starting with a survey of the sources of Islamic law, this book questions the capacity of Islamic law to develop and to adapt itself to the exigencies of time and place using the holy Q'uran. The author argues that, although private ownership of minerals is permissible under Islamic law, it is the consensus of the Muslim dilemma that state ownership of minerals is the best concept to be adopted by states in the public interest.

Erdur, Oguz. "Reappropriating the 'Green': Islamist Environmentalism." *New Perspectives on Turkey* 17 (fall 1997): 151–66.

Erdur demonstrates how the American environmental movement began as a radical

critique of Western modernity and was subsequently absorbed into it. He proceeds by illustrating how the struggle against Western modernity and its secular values is actually at the root of the Turkish Islamist environmental agenda. He provides an analysis of both the Islamist stance on overconsumption and population control as well as their proposed collectivist counter-economics which he finds in direct response to Western capitalism.

Faruqui, Naser, Asit Biswas, and Murad Bino, eds. *Water Management in Islam*. Tokyo, Japan: United Nations University Press, 2001.

This edited volume presents Islamic perspectives on a number of proposed water-management policies, including water demand management, wastewater reuse, and fair pricing. The book adds to our knowledge of some of the influences on formal policy and informal practice, and makes these ideas available to a broader public. It dispels common misconceptions about the Islamic view on water-management practices, and serves as a concrete example of the benefit of examining development in the context of values and culture. Contributors Include: Odeh Al-Jayyousi, Hussein Amery, Walid Abderrahman, and Dante Caponera. It can be found online at: http://www.idrc.ca/en/ev-9425-201-1-DO_TOPIC.html.

Feitelson, Eran and Marwan Haddad, eds. *Management of Shared Groundwater Resources: The Israeli-Palestinian Case with an International Perspective*. New York: Springer Science and Business Media, 2012.

In the water-scarce Middle East, and especially in the Israeli-Palestinian case, both sides are heavily reliant on a shared aquifer, the Mountain aquifer. This book is the outcome of a seven-year effort to find ways to manage the Mountain aquifer, perhaps the most important resource shared by Israelis and Palestinians. Some chapters explicitly address the way that resource management and the natural environment are understood in terms of cultural values in general and Islam in particular.

Findly, E. "Jahangir's Vow of Non-Violence." *Journal of American Oriental Society* 107, no. 2 (1987): 245–56.

Foltz, Richard. "Ecology in Islam." In *Encyclopedia of Sciences and Religion*. Edited by Anne L. C. Runehov and Lluiz Oviedo, 661-677. The Netherlands: Springer, 2013.

This chapter gives an overview of ecological themes in the Qur'an, in Islamic law, and in conceptions of Allah. Islam is a religion that was born in the desert, and as such the first Muslims seem to have had a keen sense of the fragile balance that existed in the harsh ecosystem that made their lives possible. This awareness is abundantly reflected in the Qur'an, which contains many references to water and other vital natural resources and lays down clear guidelines for their conservation and equitable distribution.

_____. *Animals in Islamic Traditions and Muslim Cultures*. Oxford, UK: Oneworld Publications, 2006.

This is the first comprehensive study of the role of animals in the Islamic tradition. Drawing on a wide range of sources, including classic texts in philosophy,

literature and mysticism, Foltz traces the development of Islamic attitudes towards animals over the centuries and confronts some of the key ethical questions facing Muslims today.

_____. ed. *Environmentalism in the Muslim World*. New York, NY: Nova Science Publishers, 2005.

This edited volume provides an overview of how Muslim activists are responding on the ground to the global environmental crisis. Chapters by Muslim environmentalists survey environmental initiatives in Egypt, Turkey, Iran, Pakistan, Nigeria, and Malaysia. Issues are detailed pointing out both successes and failures and describing the unique challenges facing the world's very diverse Muslim societies in striving to balance development and social justice with preserving the integrity of the earth's life support systems. Contributors include: Ibrahim Özdemir, Safei al-din Hamed, Ali Raza Rizvi, Ali Ahmad, Fazlun Khalid, and Ayman Ahwal.

_____. *Worldviews, Religion, and the Environment*. Belmont, CA: Thomson/Wadsworth, 2003.

This anthology explores current environmental and ecological issues amidst the various worldviews, cultures, and traditions that constitute the world's major religions. Part one presents the global conceptual landscape with selections that focus on the spiritual and environmental crises associated with modernity. Part two distills all of the major world religions' perspectives--Eastern, Western, and newly emerging--on contemporary ecological issues. Part three rounds out this collection with an exploration of other cross-cutting motifs in today's enviro-cultural criticism, including radical environmentalism, ecofeminism, ecojustice, and the rising voice of the Global South.

_____. "Is There an Islamic Environmentalism?" *Environmental Ethics* 22, no. 4 (2000): 63–72.

Foltz briefly outlines the scriptural foundation for an Islamic environmentalism and proceeds directly into a critique of the Islam subsection of the World Religions and Ecology conferences held at Harvard Divinity School's Center for the Study of World Religions. He finds the majority of Muslim scholars more focused on social rather than environmental injustices. Giving examples of environmental legislation implemented by the governments of Saudi Arabia, Iran, and Pakistan in order to illustrate the Islamic tradition of *aql* (rational intelligence), Foltz contrasts this litigation with what he observes as unbalanced and passive responses of *tawakkul* (trust in Allah) to the present environmental crisis experienced by Muslims in other parts of the world.

Foltz, Richard C., Azizan Baharuddin, and Frederick M. Denny, eds. *Islam and Ecology: A Bestowed Trust*. Cambridge, Mass.: Center for the Study of World Religions, Harvard Divinity School, 2003; Distributed by Harvard University Press.

This edited volume, part of the World Religion and Ecology Series, presents a series of 23 essays reinterpreting Islam from an environmental perspective. Many essays draw on the idea of "vice regency" and connect the Islamic understanding of "justice" with

ecological concerns. Sections include: "God, Humans and Nature", "The Challenge of (Re)interpretation", "Environmental and Social Justice", "Toward a Sustainable Society", and "The Islamic Garden as Metaphor for Paradise." Contributors include: Abraham Ozdemir, L. Clarke, Saadia Khawar Khan Chishti, Seyyed Hossein Nasr, S. Nomanul Haq, Nawal Ammar, and Farzaneh Milani.

Forward, Martin, and Mohamed Alam, "Islam." In *Attitudes to Nature*, eds. Jean Holm and John Bowker, 79–100. London: Pinter, 1994.

This chapter is an introduction to an Islamic understanding of sacred order, the anthropocentrism of Islam, and the notion of nature's temporality. Forward and Alam emphasize the Qur'anic revelation that all creation is a sign of Allah and essentially Muslim (submitted to Allah). Other topics include: the spirit-world, science, rights of ownership, human vicegerency, and Allah's sovereignty.

Gÿrsel, D. , *evresizsiniz* (You Are Environmentless). Istanbul: Insan Yayincilik, 1989 (In Turkish).

Haleem, Harfiya Abdel, ed. *Islam and the Environment*. London: Ta-Ha Publishers, 1998.

Hamed, Safei El-Deen. "Seeing the Environment Through Islamic Eyes: Application of Shariah to Natural Resources Planning and Management." *Journal of Agricultural and Environmental Ethics* 6, no. 2 (1993): 145–64.

Haq, S. Nomanul. "Islam." In *A Companion to Environmental Philosophy*, ed. Dale Jamieson, 111–29. London: Blackwell, 2001.

Hashem, Mazen. "Contemporary Islamic Activism: The Shades of Praxis." *Sociology of Religion* 67.1(Spring 2006): 23-41.

Helminski, Camille, ed. *The Book of Nature: An Anthology of Spiritual Perspectives on Nature*. Chicago, IL: Independent Publishers Group, 2006.

This is an anthology of spiritual perspectives on nature and the environment, highlighting the human role in honoring and maintaining the balance. While themes from the Qur'an introduce each chapter, it also includes the wisdom of other faith traditions. Part One looks at the "Basic Principles" of Unity, Interdependence, Power & Beauty, Communication, Adaptability, Creativity & Transformation, Endurance & Rejuvenation. Part Two includes sections on the Four Elements and The Communities (Species) of Life. The Final Section is "Caring for God's Creation."

Helmy, N. *Islam and Environment 2–Animal Life*. Kuwait: Environment Protection Council, 1989.

Hope, Marjorie, and James Young. "Islam and Ecology." *Cross Currents* 44.2(Summer 1994): 180-193.

This article explores the work done in Islam and Ecology by Seyyed Hossein Nasr.

Nasr argues that any Environmental understanding founded in Islam must include: the notion of transcendence, a correspondence between the microcosm and macrocosm, a critique of the dogma of Darwinian evolution (which he argues destroys any notion of nature as sacred), a critique of fundamentalist versions of Islam, and a better understanding of the human place in nature through the concept of vice regency. Finally the authors compare Nasr's ecological "way" with that of Thomas Berry.

Hrynkow, Christopher. "Ecology and Islam." In *Muhammad in History, Thought, and Culture: An Encyclopedia of the Prophet of God, Volume 1*. Edited by Coeli Fitzpatrick and Adam Hani Walker, 157-161. Santa Barbara, CA and Oxford: ABC-CLIO, 2014.

This chapter serves as a general reference of the area of study known as Islam and ecology, which is part of the broader field of religion and ecology. This overview contextualizes this topic within the life and themes of the prophet Muhammad.

Husaini, S. Waqar Ahmad. *Islamic Environmental Systems Engineering*. London: Macmillan, 1980.

Husaini provides a brief background on the role of revelation and reason in the Qur'an linking each with systems of personal and social ethics as well as with *shari'a* (revealed) and *fiqh* (substantive) law. He proceeds to focus in detail on the relationship of environmental engineering systems planning with Islamic philosophy of knowledge and education, jurisprudence, state and comparative politics, and welfare economics. Husaini concludes by evaluating the possibility of a socio-cultural rejuvenation of developing Muslim countries with regard to primary values found in *shari'a* and secondary values provided by *fiqh*, thereby suggesting that a humanistic-social science component derived from an Islamic ideological perspective be included in engineering education.

I-Abbas, Fakhar. *Animal's Rights in Islam: Islam and Animal Rights*. Saarbrücken, Germany: VDM Verlag, 2009

This book is an effort to highlight the importance and treatment of wildlife according to Islamic injunctions. The need for compiling this work was felt during a country wide campaign that was supervised by the author on behalf of the World Society for the Protection of Animals (WSPA). The campaign was aimed at assessing and curbing bear abuses such as bear baiting, dancing etc. A common Muslim may not know that Islam strictly prohibits unnecessary loss of wildlife and there are many Hadith of Prophet Muhammad (SAW) that highlight the conservation of this important aspect of nature. This is an effort to make people understand the importance and rights of animals in the light of Islamic teachings.

Ibrahim, F. *Ecological Imbalances in the Republic of Sudan*. Bayreuth: Druckhaus Bayreuth Verlagsgesellschaft, 1984.

Idris, Jaafar Sheikh. "Is Man the Vicegerent of God?" *Journal of Islamic Studies* 1 (1990): 99–110.

Ikhwan al-Safa (The Brethren of Purity). *The Case of the Animals versus Man Before the*

King of the Jinn. Translated by Lenn Evan Goodman. Boston: Twayne Publishers, 1978.

Goodman's thorough introduction to this translation shows how contemporary concepts such as ecosystems, eco-niche, succession, and interdependence are hidden in this moral tale about animals' dissatisfaction with the actions of humankind. He also provides the historical background and philosophical underpinnings of the Brethren of Purity.

International Union for the Conservation of Nature (IUCN)-Pakistan. *The Pakistan National Conservation Strategy*. Karachi: IUCN, 1992.

Izz al-Din, Muil Yusuf. *The Environmental Dimensions of Islam*. Cambridge: Lutterworth, 2000.

Given that "environmental ethics" is often seen as a Western import in the Muslim world, this book develops an Islamic understanding of environmental issues based upon the Qu'ran and Hadith. The author argues that the concepts of hima [protected zones], shumul [comprehensiveness], tarazan [balance], waqi'iyya [positivism], and "purity in all things," provide support for the conclusion that Islam teaches an inherent respect for nature.

_____. "Islam and the Environment: Theory and Practice." *Journal of Beliefs and Values* 18, no. 1. (1997): 47–58.

_____. "Islamic Environmental Ethic, Law, and Society." In *Ethics of Environment and Development: Global Challenge and International Response*, eds. J. Ronald Engel and Joan Gibb Engel, 189–98. Tucson, Ariz.: University of Arizona Press, 1990.

Izzi Deen illustrates an environmental strategy found within the relationship between Islamic ethics and law. After giving eight reasons for protecting the environment, he discusses the traditional Islamic land and resource management practices of *hima* and *harim*. He concludes by stressing that humankind is a "maintainer" and not an "owner" of creation and by urging that environmental education be offered with attention to both science and Islamic belief.

Izzi Dien, Mawil. "Islamic Concepts of Creation and Environmental Sustainability." In Neil Spurway, ed. *Creation and Abrahamic Faiths*. Cambridge Social Publishing: Cambridge, 2008, 119-135.

Why are we here and why is there a here for us to inhabit? This question is the focus of the book. Bringing together perspectives from both religion and science, this book draws attention to creation stories from the monotheistic religions, drawing out the science behind religious stories.

Jazayery, Hashem Najy. *Hemayat az heyvanat dar eslam* (The Importance of Animals in Islam). Qom: Dar al-saqalin, 1379 (2000).

Johnson-Davies, D. *The Island of Animals, Adapted from an Arabic Fable*. Austin, Tex.: University of Texas Press, 1994.

Johnston, David. *Earth, Empire, and Sacred Text: Muslims and Christians as Trustees of Creation*. Oakville, CT: Equinox Publishing, 2010.

This book examines the Muslim-Christian theology of creation and humanity, aiming to construct a dialogue to enable both faiths to work together to preserve our planet, to bring justice to its most needy inhabitants, and to contribute to peace-building. The author opens with an analysis of the influential shift from the Cartesian view of the autonomous, disembodied self to a self-defined in discourse, community and culture. The idea of Adam's God-mandated trusteeship is then outlined, from Islamic commentaries of the classical period to writings of Muslim scholars in the modern and postmodern periods. This is examined alongside the concept of human trusteeship/stewardship under God in Christian and Jewish writers. The book concludes by highlighting the essential elements for a Muslim-Christian theology of human trusteeship.

_____. "Toward Muslims and Christians as Joint Caretakers of Creation in a Postmodern World." Ph.D. diss., Fuller Theological Seminary, 2001.

This dissertation develops a Muslim-Christian theological discourse about humanity and creation. A first section makes explicit issues surrounding the transition from modernity to postmodernity. The second section presents quranic data surrounding the vision of humankind as God's mandated trustee of creation and then looks to the Bible's understanding of the imago. The Genesis account of humanity's dominion over the earth and their creation in the image of God neatly parallels the quranic concept of the human caliphate. The third section deals development theory, finding that whereas the goal of "sustainable development" is inevitable to some extent, "earth community" is a more appropriate paradigm. In concluding, the author suggests that working on these problems together, Muslims and Christians will find common ground.

Joma, Hesam Addin Abdul Salam. "The Earth as a mosque: Integration of the traditional Islamic environmental planning ethic with agricultural and water development policies in Saudi Arabia." Ph.D. diss., University of Pennsylvania, 1991.

Abstract: An ethical system must do two things: It must envision a particular way of life and it must work out a path to the realization of that way of life that is internally consistent, yet workable in the real world. Surprisingly, recent ecological ethics have failed to realize these two components of an ethical system. From Leopold's Land Ethic to Deep Ecology, no coherent ethical system was born. Most of the prevailing ecological ethics suffer from being too abstract or utopian in principle. The dissertation asserts that Islam, as a religion and a way of life, is capable of providing man with a comprehensive ethical system. Islamic environmental values represent the theoretical part while the Islamic Institutions and laws provide the operational component of the ethical system. "Earth as a Mosque" ideal is a proposed concept that combines theoretical and operational principles, and can provide an alternative Islamic environmental ethic. The dissertation deals with major policy conflicts that have arisen in developing agriculture and water resources in Saudi Arabia. Recently, the Kingdom's strategy for achieving self-sufficiency in food commodity has created serious environmental conflicts. Severe groundwater depletion, soil salinity, inefficient use of irrigation technology, lack of land

use management and control, and inefficient administrative organization are all symptoms of policy and decision-making conflicts. The assertion is that the integration of Islamic environmental planning principles--derived from the Islamic Shari'ah--with the existing Saudi policies for agriculture and water development can generate many solutions to these problems. Tazkiah, an Islamic alternative to conventional Western "development" concept, is introduced as an integral part of Islamic environmental principles. The dissertation proposes a new Ministry for the Environment in Saudi Arabia. The new Ministry is inspired by the traditional Islamic institution of Hisbah. The consolidation of relevant environmental affairs within the proposed Ministry is a response to the existing sectoral approach dealing with the environmental problems. The proposed Ministry is based on the holistic Islamic approach and the Islamic values of justice, modernation and equilibrium. The proposed ministry is responsible for producing an environmental impact statement based on the Shari'ah injunctions.

Kaplan, Jeffrey. "Review of Mawil Izzi Dien's *The Environmental Dimensions of Islam*." *Worldviews: Environment, Culture, Religion* 5, no. 1 (2001): 110–12.

Khalid, Fazlun. *Qur'an: Creation and Conservation*. Birmingham, United Kingdom: IFEES, 1999.

Khalid, Fazlun, and Joanne O'Brien, eds. *Islam and Ecology*. New York: Cassell, 1992.

This volume includes a significant number of Qur'an and Hadiths references illustrating Islam's spiritual perspective on nature. Other topics include: ethics and the environment, science, natural resources, trade, commerce, desert reclamation, and notions of conservation in Islamic texts/practices.

Kilic, Sadik. "The Message of the Risale-i Nur in the Ecological Context." Paper presented at the Fourth International Symposium on Bediuzzaman Said Nursi: A Contemporary Approach Toward Understanding the Qur'an: The Example of Risale-i Nur, Istanbul, Turkey, 20–22 September 1998.

Kula, Erhun. "Islam and Environmental Conservation." *Environmental Conservation* 28, no. 1 (2001): 2–9.

Llewelyn, Othman. "Desert Reclamation and Conservation in Islamic Law." *The Muslim Scientist* 11, no. 9 (1982): 9–29.

Lovejoy, Paul. *Ecology and Ethnography of Muslim Trade in West Africa*. Trenton, NJ: Africa World Press, 2005.

Manzoor, S. Parviz. "Environment and Values: An Islamic Perspective." In *Touch of Midas Scientific Values and the Environment in Islam and the West*, ed. Ziauddin Sardar, 150–70. Manchester: Manchester University Press, 1984.

Masri, Al-Hafiz. *Animal Welfare in Islam*. Markfield: Islamic Foundation, 2007.

This pioneering modern classic examines the Islamic principles of kindness and compassion toward animals. It compares animal sacrifice as practiced by the world's major religions and highlights the ethical issues that the mass production of meat raises, advocating alternative ways to produce halal meat in an appropriate manner.

_____. *Islamic Concern for Animals*. Petersfield, Hants, England: The Athene Trust, 1987.

While lamenting the fact that scripture in all religions has ceased to be taken seriously, Masri utilizes Qur'an and Hadiths extensively. Drawing particular attention to animal consciousness, Masri suggests that animal consciousness, although not like human consciousness, is significantly more than simply instinct and intuition. Masri also elaborates on other important concepts such as the "homogeneous organism" of life and "joint tenancy." This text is provided in both English and Arabic.

_____. "Animal Experimentation: The Muslim Viewpoint." In *Animal Sacrifices: Religious Perspectives on the Use of Animals in Science*, ed. Tom Regan, 171–98. Philadelphia, Pa.: Temple University Press, 1986.

Masri addresses the moral implications of the religious claim that humans are the apex of value in the world. His essay reflects on animal psyches and communities, humanity's place in the order of species, and animal welfare (e.g., the preservation of species, fair share in natural resources, Islamic law, traditional slaughter, cruelty to animals, and pain and disfigurement in animal experimentation).

McKay, Jeanne E., Fachruddin M. Mangunjaya, Yoan Dinata, Stuart R. Harrop, and Fazlun Khalid. "Practise What You Preach: A Faith-based Approach to Conservation in Indonesia." *Oryx* FirstView (2013): 1-7.

Abstract: Faith-based teachings on the environment have been identified as a potentially effective form of conservation outreach but one that remains largely untested. Indonesia contains 10% of the world's tropical rainforests and is the most populous Muslim country. A faith-based approach to conservation could therefore yield significant conservation benefits here. Within Islam several key principles in the Qur'an underpin and outline the role of humans in nature conservation. Here, we report on a Darwin Initiative project component that sought to assess the applicability of Islamic teachings to conservation action in West Sumatra. We developed water-conservation-themed sermons that were delivered by project-trained religious leaders in 10 mosques and nine Islamic boarding schools during the holy month of Ramadan. We conducted entry–exit questionnaire surveys to assess levels of concern, awareness and intent to act amongst male (n = 389) and female (n = 479) worshippers. The results revealed that greater attention should be paid to raising awareness of the linkages between Islam and conservation rather than on conservation principles alone, which were already adequately understood. This study provides the first insights into the important role that women could play within a faith-based project. Female respondents demonstrated greater knowledge and understanding of Islamic teachings about the environment and the services provided by watershed forests. They were also more likely to contribute to conservation activities, suggesting that future projects should seek to involve this often marginalized stakeholder group fully, as well as

provide practical ways for men and women to transform words into action.

Meier, Fritz. "The Problems of Nature in the Esoteric Monism of Islam," trans. R. Mannheim. In *Spirit and Nature: Papers from the Eranos Yearbooks*, ed. Joseph Campbell, 149–203. New York: Pantheon, 1954.

Mikhail, Alan. *The Animal in Ottoman Egypt*. New York: Oxford University Press, 2014.

In this book, historian Alan Mikhail puts the history of human-animal relations at the center of transformations in the Ottoman Empire from the sixteenth to the nineteenth centuries. Mikhail uses the history of the empire's most important province, Egypt, to explain how human interactions with livestock, dogs, and charismatic megafauna changed more in a few centuries than they had for millennia. Including specific attention to the role of Muslim values and practices, the book highlights the importance of integrating Ottoman history with issues in animal studies, economic history, early modern history, and environmental history.

_____. *Under Osman's Tree: The Ottoman Empire, Egypt, and Environmental History*. Chicago & London: The University of Chicago Press, 2017.

This book discusses the environmental history of the Ottoman Empire—the longest-lasting empire in the history of Islam. Underlying every aspect of the Ottoman Empire's epic history, from the fourteenth century to the twentieth century, is its successful management of natural resources. *Under Osman's Tree* analyzes this rich environmental history to understand the most remarkable qualities of the Ottoman Empire—its longevity, politics, economy, and culture.

Musselman, Lytton John. *Figs, Dates, Laurel, and Myrrh: Plants of the Bible and the Quran*. Portland, OR: Timber Press, 2007.

This book celebrates the plants of the scriptures of Abrahamic faiths (Islam, Christianity, and Judaism), including the Hebrew Bible, the New Testament, the Apocrypha, and the Quran. The descriptions include the plants' botanical characteristics, habitat, uses, and literary context. Presenting a variety of quotations and interpretations, this book provides numerous sources for developing more intimate knowledge of plants.

Narayan, Rajdeva, ed. *Ecology and Religion: Ecological Concepts in Hinduism, Buddhism, Jainism, Islam, Christianity, and Sikhism*. Muzaffarpur: Institute for Socio-Legal Studies, 2003.

Nasif, Abdullah Omar. "The Muslim Declaration of Nature." *Environmental Policy and Law* 17, no. 1 (1987): 47.

Nasr, Seyyed Hossein. *Man and Nature: The Spiritual Crisis in Modern Man*. Rev. ed. Chicago, Ill.: Kazi Publishers, 1997, c1967.

Based on his University of Chicago lectures (1966), this book describes how the positivist tradition has de-ontologized science. Nasr provides a history of the

environmental crisis, its intellectual and historical causes, the metaphysical principles of nature, and their application to the contemporary situation. He emphasizes the possibility of remaining true to revelation while also meeting the rigorous demands of intellectual pursuit.

_____. *Religion and the Order of Nature*. New York: Oxford University Press, 1996.

Compiled from the University of Birmingham's Cadbury Lectures (1994), this book gives a historical critique of the orientations toward nature found within world religions and various Western philosophical traditions. Nasr stresses that studying across religious frontiers has the potential to enrich and/or remind one of the sacred encounter with nature.

_____. "Islam and the Environmental Crisis." In *Spirit and Nature*, eds. Steven C. Rockefeller and John C. Elder, 83–108. Boston: Beacon Press, 1992.

Taken from an address given at the Middlebury College "Spirit and Nature Symposium" (1990), this text argues that religion has both an ethical and intellectual component. Succinctly elucidating the history of scientific method in both Western and Islamic scholarship, Nasr suggests that the environmental crisis can only be cured through the spiritual healing of humankind.

_____. "The Ecological Problem in Light of Sufism: The Conquest of Nature and the Teachings of Eastern Science." In *Sufi Essays*. 2d ed., ed. Seyyed Hossein Nasr, 152–63. Albany, N.Y.: State University of New York Press, 1991.

Nasr argues that Islam has served as an intermediary between Western and Eastern epistemologies. This conjunction of thought, expressed best in the Sufi tradition, provides the basis for a qualitative/quantitative science that Nasr believes would unveil the unicity and interrelationship of nature, thereby providing potential solutions to the ecological crisis.

_____. "Islam and the Environmental Crisis." *The Islamic Quarterly* 34, no. 4 (1991): 217–34.

_____. "Islam and the Environmental Crisis." *Journal of Islamic Science* 6, no. 2 (1990): 217–34.

Othman, Fadil, and Johan Sohaili. "Man's Duty to Protect the Environment." *The New Straits Times*, 10 December 1998, 2.

Ozdemir, Ibrahim. "Bediuzzaman Said Nursi's Approach to the Environment." Paper presented at the Fourth International Symposium on Bediuzzaman Said Nursi: A Contemporary Approach Toward Understanding the Qur'an: The Example of Risale-i Nur, Istanbul, Turkey, 20–22 September 1998.

_____. *The Ethical Dimension of Human Attitude Toward Nature*. Ankara: Ministry of Environment, 1997.

_____. *Cevre ve Din* (Environment and Religion). Ankara, Turkey: Ministry of Environment, 1997.

Palmer, Martin, and Victoria Finlay, eds. *Faith in Conservation: New Approaches to Religions and the Environment*. Washington, DC: World Bank Publications, 2003.

This book draws extensively upon joint World Bank and ARC/WWF projects worldwide. It shows, through stories, land management, myths, investment policies, legends, advocacy and celebration, the role the major faiths play in ecological well-being. The book explores issues of climate change, forestry, asset management, education and biodiversity protection and does so using the techniques of the great faiths - storytelling, example and celebration. Part II offers "Faith Statements on Ecology" by many of the world's religious traditions. The challenge of living with integrity in a pluralist world underlies the book and it offers models of how diversity is crucial in attempting to ensure we have a sustainable world.

Peirone, Federico. "Islam and Ecology in the Mediterranean Muslim Kulturkreise." *Hamdard Islamicus* 5, no. 2 (1982): 3–31.

Pusch, Barbara. "The Greening of Islamic Politics: A Godsend for the Environment?" In *Environmentalism in Turkey: Between Democracy and Development*. Fikret Adaman and Murat Arsel, eds. Aldershot, UK: Ashgate, 2005.

_____. "The Ecology Debate Among Muslim Intellectuals in Turkey." *Les Annales de l'Autre Islam* 6 (1999): 195–209.

Quadir, Tarik M. *Traditional Islamic Environmentalism: The Vision of Seyyed Hossein Nasr*. Lanham, MD: University Press of America, 2013.

Focusing on the groundbreaking work of Seyyed Hossein Nasr, this book examines the relevance of traditional Islamic thought and practices for a lasting solution to the current environmental crisis. The book argues that only a revival of the traditional worldview which perceives all entities of nature as signs of God can effectively respond to the crisis our planet faces.

Rafiq, M., and Mohammad Ajmal. "Islam and the Present Ecological Crisis." In *World Religions and the Environment*, ed. O. P. Dwivedi, 119–37. New Delhi: Gilanjal Publishing House, 1989.

Rahman, M. K. "Environmental Awareness in Islam." *MAAS Journal of Islamic Science* 2, no. 1 (1986): 99–106.

Raskhy, Fruzan. "Ertebat-e ensan va tabi'at az negah-e eslam va Ayin-e Da'o" (The Relationship between Man and Nature in Islam and Daoism). *Haft Asman* 1, no. 2 (1387/1999): 87–117.

Sajoo, Amyn. *Muslim Ethics: Emerging Vistas*. London, UK: Institute for Small Studies, 2004.

Recent political and social events as well as advances in science and technology have posed challenges to the traditional Muslim discourse on ethics. In this book produced by the Institute of Ismaili Studies, the author examines these challenges, and through a critical analysis of the implications of emerging initiatives in political pluralism and civic culture, in bio-medicine and environmental conservatism, considers how the contours of public ethics in Islam may be redefined to provide shared conceptions of the good in pluralist societies.

Sardar, Ziauddin, ed. *An Early Crescent: The Future of Knowledge and the Environment in Islam*. London: Mansell, 1989.

This edited volume is divided into two sections: thought and epistemology, and science and the environment. After questioning the epistemological and methodological foundations of modern natural and social sciences, Sardar proposes an Islamization of knowledge that would help develop conceptual categories and values from within Islam. Other essays include: S. Parvez Manzoor, on the crisis of Muslim thought and the future of the Ummah (Muslim community); Seyyed Hossein Nasr, on Islam and the problem of modern science; Hussein Mehmet Ateshin, on urbanization and the environment, and Ayyub Malik, on the recent history and possible future of Muslim cities.

_____. "Toward an Islamic Theory of the Environment." In *Islamic Futures: A Shape of Ideas to Come*, ed. Ziauddin Sardar, 224–37. London: Mansell, 1985.

_____. *Touch of Midas: Scientific Values and the Environment in Islam and the West*. Manchester: Manchester University Press, 1984.

Schimmel, Annemarie. *Islam and the Wonders of Creation: The Animal Kingdom*. London: Al-Furqān Islamic Heritage Foundation, 2003.

Annemarie Schimmel focuses in this book on the extent to which Islamic culture has taken interest in the animal kingdom. The author surveyed the mention of animals and birds by Muslim authors and reviewed such mentions in a number of languages (Arabic, Turkish, Sindi and Persian), especially in works of poetry. Schimmel holds that animals form an important part of the Islamic heritage and that animals can be symbolic for profound spiritual truths.

Selin, Helaine, ed. *Nature Across Cultures: Views of Nature and the Environment in Non-Western Cultures*. Boston, MA: Kluwer Academic Publishers, 2003.

This book consists of 25 essays dealing with the environmental knowledge and beliefs of cultures outside of the United States and Europe. In addition to articles surveying Islamic, Chinese, Native American, Aboriginal Australian, Indian, Thai, and Andean views of nature and the environment, among others, the book includes essays on Environmentalism and Images of the Other, Traditional Ecological Knowledge, Worldviews and Ecology, Rethinking the Western/non-Western Divide, and Landscape, Nature, and Culture. The essays address the connections between nature and culture and relate the environmental practices to the cultures which produced them.

Shafaat, Ahmad. "Ecological Implications of an Islamic View of God, Universe, and Human Beings." *Ecumenism* 134(1999): 18-21.

Shankland, David. *Islam and Society in Turkey*. Huntington: Eothen Press, 1999.

Shankland provides a thorough historical background of how Islam functions politically, institutionally, and legislatively in secular Turkey. More specifically, Shankland follows the rise and fall of Erbakan, the leader of the widely-supported Islamist party, as well as other minority groups such as the Alevis and various *tarikats* (religious orders). This book provides insights into environmental issues through its exploration of the complex relationship between morality, religious and secular agendas, and policy implementation.

Shroder, John and Sher Jan Ahmadzai. "Water in Islam." In *Transboundary Water Resources in Afghanistan*. Cambridge, MA & The Netherlands: Elsevier, 2016, 361-375.

Water in Islam is of the utmost importance, in large part because of its scarcity in so many Muslim countries. Sharia law actually began in pre-Islamic time in relation to water. Issues of Islamic law and equity include rights of thirst and of irrigation, as well as protection of the environment, and water rights under Islam. Water conservation is seen as essential and educating about water through the mosques has been a new effort in some places in Afghanistan and elsewhere.

Stewart, Philip J. "Islamic Law as a Factor in Grazing Management: The Pilgrimage Sacrifice." In *Proceedings of the First International Rangeland Congress, Denver, Colorado, August 14–18, 1978*, ed. D. N. Hyder, 119–20. Denver, Colo.: Society for Range Management, 1978.

Stewart searches for a religiously informed management strategy which would relieve the stress of large flocks of livestock on sensitive lands during Muslim holy times. He describes contemporary problems such as: the lack of diversity in livestock due to a focus on the numbers of sacrificial animals, the problems of human population increase coupled with the breakdown of extended families producing more heads of household and therefore more stock per unit area, and the expansion of grazing lands into forests and agricultural lands. Stewart concludes by offering technical solutions such as improving range management, reducing flock size to only sacrificial animals, improved marketing, and conserving meat to spread out the period of availability. He also suggests religious solutions, however admittedly out of his field, by drawing on the Qur'an, Hadiths, and the history of Islamic law in which he finds the possibility of reducing the number of people obligated to make an animal sacrifice under Qur'anic law.

Swearington, Will D., and Abdellatif Bencherifa, eds. *The North African Environment at Risk*. Boulder, Colo.: Westview Press, 1996.

Taneja, Anand Vivek. *Jinnealogy: Time, Islam, and Ecological Thought in the Medieval Ruins of Delhi*. Palo Alto, CA: Stanford University Press, 2017.

In the ruins of a medieval palace in Delhi, a unique phenomenon occurs: Indians of all castes and creeds meet to socialize and ask the spirits for help. The spirits they entreat are Islamic jinns, and they write out requests as if petitioning the state. At a time when a Hindu right wing government in India is committed to normalizing a view of the past that paints Muslims as oppressors, Anand Vivek Taneja's *Jinneology* provides a fresh vision of religion, identity, and sacrality that runs counter to state-sanctioned history.

Timm, Roger E. "The Ecological Fallout of Islamic Creation Theology." In *Worldviews and Ecology*, eds. Mary Evelyn Tucker and John A. Grim, 83–95. Lewisburg, Pa.: Bucknell University Press, 1993.

Timm asserts that the sovereignty of Allah in Islamic creation theology is fundamental to any hermeneutic on the role and duties of human vicegerency (stewardship). He challenges the widespread opinion that monotheistic creation theologies implicitly support exploitation of the environment. He finds that socioeconomic and colonial factors, such as poverty and the influx of Western science and technology with its concomitant secularization, account for environmental degradation found in contemporary Islamic countries.

Tlili, Sarra. *Animals in the Qur'an*. New York & Cambridge: Cambridge University Press, 2012.

The Islamic tradition has always held animals in high esteem, deserving the same level of consideration as humans. The Qur'an opines that "there is not an animal in the earth nor a flying creature flying on two wings, but they are people like you." This book examines the status and nature of animals as they are portrayed in the Qur'an and in adjacent exegetical works, in which animals are viewed as spiritual, moral, intelligent, and accountable beings. In this way, the study presents a challenge to the prevalent view of man's superiority over animals and suggests new ways of interpreting the Qur'an.

Tolu-e-Islam Movement. "Man and His Environment. In *Islam: A Challenge*." Lahore: Tolu-e-Islam, 2000. Updated 15 August 2001
http://www.toluislam.com/pub_online/islam_a_challenge/chapter17.htm (cited 14 August 2001).

Uslu, I. *The Environmental Problems: From Transformation in the Conception of Cosmos to the Ecological Catastrophe* (In Turkish). Istanbul: Insan Press, 1995.

Wellman, David J. *Sustainable Diplomacy: Ecology, Religion, and Ethics in Muslim-Christian Relations*. New York, NY: Palgrave, 2004.

Wersal, Lisa. "Islam and Environmental Ethics: Tradition Responds to Contemporary Challenges." *Zygon* 30, no. 3 (1995): 451–59.

Wersal surveys ecological works written by Muslim scholars in order to demonstrate the centrality of Qur'an and Sunnah in the Islamic decision-making process. She cites Islam's emphasis on community and consensus and the synthesis of fact and value in traditional Islamic science as potential paradigms for a world community that faces mounting global environmental challenges.

Wescoat, James L., Jr. "Muslim Contributions to Geography and Environmental Ethics: The Challenges of Comparison and Pluralism." In *Philosophy and Geography I: Space, Place, and Environmental Ethics*, eds. Andrew Light and Jonathan M. Smith, 91–116. Lanham, Md.: Rowman and Littlefield, 1997.

_____. "The 'Right of Thirst' for Animals in Islamic Law: A Comparative Approach." *Environment and Planning D: Society and Space* 13, no. 6 (1995): 637–54.

Wescoat outlines the doctrinal underpinnings of the "right to thirst" in Islamic law by utilizing traditional terminology found in the Qur'an, *hadiths*, and *fiqh* (jurisprudence) about pollution and purity, as well as historical precedents set in the seventh to the eighth century CE. He highlights the themes of Allah's beneficence, creaturely dependence on Allah, and the moral imperative for humans to recognize these facts in Islamic law, and examines their relevance in Pakistan and Colorado. With his comparative approach, Wescoat argues that it will be difficult to implement Islamic law in Pakistan due to its colonialist history and politics. Wescoat also suggests that the moral depth of Islamic law can provide a way for Colorado residents to assess the adequacy of their own water laws.

_____. "From the Gardens of the Qur'an to the Gardens of Lahore," *Landscape Research* 20 (1995): 19–29.

Observing the emphasis in Mughal studies on the physical attributes of gardens and paradise, Wescoat hopes to further the study of landscape and religion with his exploration of the relationship between aesthetics and theology. Drawing on Qur'anic garden references, he investigates not only garden form but also the faith and conduct that admits humans into the Garden. Wescoat focuses his attention on the gardens of Lahore, distinguishing between Mughal and Sufi shrine gardens. He argues that while the former is exemplative of Qur'anic descriptions of paradise, the latter is an example of the theological meaning of paradise because of its ability to stimulate religious experience.

Wilkinson, John C. "Muslim Land and Water Law." *Journal of Islamic Studies* 1 (1990): 54–72.

Zaidi, Iqtidar H. "On the Ethics of Man's Interaction with the Environment: An Islamic Approach." *Environmental Ethics* 3, no. 1 (spring 1981): 35–47.

Zaidi argues that the ecological crisis is actually a moral crisis and he demonstrates why the ecological crisis warrants an ethic grounded in a religious matrix that acknowledges a law with divine principles. Zaidi concludes by stating that faith in Islam translates into action, through what he terms "the process of decision-action"—a process that encompasses characteristics such as justice, piety, and knowledge.