



**Colegio de San Juan de Letran**  
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Library and Media Services

## **RESEARCH GUIDE: ENVIRONMENTAL SCIENCE**

### **TABLE OF CONTENTS**

#### **I. Scope Note**

#### **II. Search Aids**

#### **III. Information Resources**

##### **A. Library Resources**

###### **a. E-Journals**

###### **b. E-Theses**

##### **B. Open Access**

###### **a. Free E-Books**

###### **b. Free E-Journals**

###### **c. Free E-Theses**

##### **C. Professional Organizations**

##### **D. Other Related Web Portals**

##### **E. Related Research Guides**

#### **IV. Tutorials**

## RESEARCH GUIDES

### ENVIRONMENTAL SCIENCE

#### I. SCOPE NOTE

*It is an interdisciplinary academic field that draws on ecology, geology, meteorology, chemistry, engineering, and physics to study environmental problems and human impacts on the environment. [britannica.com](http://britannica.com)*

#### II. SEARCH AIDS (BT: Broader Term, RT: Related Term, NT: Narrow Term)

##### BT:

- Science

##### RT:

- Environment
- Ecology
- Natural Resources
- Natural History
- Environmental Protection
- Environmental Mitigation
- Environmental Issues
- Environmental Research
- Environmental Management
- Global Environment
- Environmental Ethics
- Environmental Engineering
- Ecosystem
- Environmental Chemistry
- Atmospheric Sciences
- Geosciences
- Social Sciences
- Geology
- Biological Science
- Physical Science
- Biotic Environment

##### NT:

- Climate Change
- Air Pollution
- Water Pollution
- Biodiversity
- Deforestation
- Soil Conservation
- Energy

- Air Quality
- Agriculture
- Population Growth
- Waste Production
- Acid Rain
- Overfishing
- Urban Sprawl
- Genetic Modification of Crops
- Polar Ice Caps
- Transportation
- Nitrogen Cycle
- Governance
- Sustainable Development
- Globalization
- Economic Integration
- Global Corporations
- Tourism

### III. INFORMATION RESOURCES

#### A. LIBRARY RESOURCES

*Note: For the appropriate access credentials, please contact the Letran Bataan Library*

#### ➤ E-JOURNALS

- Environmental Research Letters.  
[https://www.proquest.com/publication/publications\\_4998671](https://www.proquest.com/publication/publications_4998671)
- Organization & Environment.  
[https://www.proquest.com/publication/publications\\_46791](https://www.proquest.com/publication/publications_46791)
- International Journal of Environmental Research and Public Health.  
[https://www.proquest.com/publication/publications\\_54923](https://www.proquest.com/publication/publications_54923)
- GeoHealth. [https://www.proquest.com/publication/publications\\_4370313](https://www.proquest.com/publication/publications_4370313)
- Nature Ecology & Evolution.  
[https://www.proquest.com/publication/publications\\_4669716](https://www.proquest.com/publication/publications_4669716)
- Environment, Development & Sustainability.  
[https://www.proquest.com/publication/publications\\_25739](https://www.proquest.com/publication/publications_25739)
- International Journal of Environment & Pollution.  
[https://search.proquest.com/publication/publications\\_26452?accountid=190548](https://search.proquest.com/publication/publications_26452?accountid=190548)
- Journal of Environmental Education.  
[https://search.proquest.com/publication/publications\\_34493?accountid=190548](https://search.proquest.com/publication/publications_34493?accountid=190548)
- Journal of Natural Resources and Life Sciences Education  
[https://search.proquest.com/publication/publications\\_33242?accountid=190548](https://search.proquest.com/publication/publications_33242?accountid=190548)
- Environmental Science & Technology.  
[https://search.proquest.com/publication/publications\\_45412?accountid=190548](https://search.proquest.com/publication/publications_45412?accountid=190548)
- Management of Environmental Quality.

[https://search.proquest.com/publication/publications\\_27885?accountid=190548](https://search.proquest.com/publication/publications_27885?accountid=190548)

- Environmental Conservation.

[https://search.proquest.com/publication/publications\\_33256?accountid=190548](https://search.proquest.com/publication/publications_33256?accountid=190548)

#### ➤ E-THESES

- Johnson, A. (2020). Documentary discourses on climate change: A critical discourse analysis of An Inconvenient Truth and An Inconvenient Sequel (Order No. 27735514). Available from ProQuest Central. (2386211132). Retrieved from <https://www.proquest.com/dissertations-theses/documentary-discourses-on-climate-change-critical/docview/2386211132/se-2?accountid=190548>
- Obuekwe, C. (2019). Assessing the impact of the Global Environment Facility in World Bank environmental reform (Order No. 22589228). Available from ProQuest Central. (2301477299). Retrieved from <https://www.proquest.com/dissertations-theses/assessing-impact-global-environment-facility/docview/2301477299/se-2?accountid=190548>
- Angstadt, J. M. (2019). Green courts and global norms: Specialized environmental courts and the global governance of environmental challenges (Order No. 13813806). Available from ProQuest Central. (2272255373). Retrieved from <https://www.proquest.com/dissertations-theses/green-courts-global-norms-specialized/docview/2272255373/se-2?accountid=190548>
- Lu, N. (2019). Essays on agricultural water pollution and human health (Order No. 27549006). Available from ProQuest Central. (2384817759). Retrieved from <https://www.proquest.com/dissertations-theses/essays-on-agricultural-water-pollution-human/docview/2384817759/se-2?accountid=190548>
- Mikołajczak, K. (2019). Understanding connection with nature at an Amazonian deforestation frontier (Order No. 28277244). Available from ProQuest Central. (2471431717). Retrieved from <https://www.proquest.com/dissertations-theses/understanding-connection-with-nature-at-amazonian/docview/2471431717/se-2?accountid=190548>
- Brown, C. T. (2018). Climate change and ecotoxicology: Examining persistent organic pollutant effects on amphibians in warming environments (Order No. 10933199). Available from ProQuest Central. (2113950313). Retrieved from <https://www.proquest.com/dissertations-theses/climate-change-ecotoxicology-examining-persistent/docview/2113950313/se-2?accountid=190548>
- Vahedi, S. (2017). Three essays on environmental economics: Effects of air pollution on health and human capital (Order No. 10275977). Available from ProQuest Central. (1909953864). Retrieved from <https://www.proquest.com/dissertations-theses/three-essays-on-environmental-economics-effects/docview/1909953864/se-2?accountid=190548>
- Czerniak, Aaron S. (2019). Energy Recovery from Recycled Food Waste (Order No. 22587321). Available from ProQuest Central. (2054001483). Retrieved from <https://search.proquest.com/docview/2305530394/E574184787BE4E07PQ/11?accountid=190548>
- Friscia, Bronwyn Lewis (2018). The Political Economy of Consumption-Driven Climate Pollution (Order No. 10824857). Available from ProQuest Central. (2054001483).

Retrieved from  
<https://search.proquest.com/docview/2054001483/3887E3333AF24C4BPQ/12?accountid=190548>

- Glover, Jamila N. (2017). A Dirty Dilemma: Determinants of Electronic Waste Importation (Order No. 10686260). Available from ProQuest Central. (2016764470). Retrieved from <https://search.proquest.com/docview/2016764470/E574184787BE4E07PQ/15?accountid=190548>
- Peach, Michelle (2017). Evaluating the Role of Protected Areas in Mitigating Avian Responses to Climate and Land Use Change (Order No. 10623168). Available from ProQuest Central. (1979342783). Retrieved from <https://search.proquest.com/docview/1979342783/C6927FF1EFBF473APQ/42?accountid=190548>
- Steiner, Elyse A. (2017). Science Comprehension vs. Cultural Cognition as Predictors of Climate Change Risk Perception (Order No. 10643151). Available from ProQuest Central. (2020853849). Retrieved from <https://search.proquest.com/docview/2020853849/FC115A5806B4955PQ/19?accountid=190548>
- Kim, Moon Joon (2017). Essays on Long-Range Transport of Air Pollution and Its Health Outcomes (Order No. 10758900). Available from ProQuest Central. (2021199117). Retrieved from <https://search.proquest.com/docview/2021199117/3887E3333AF24C4BPQ/5?accountid=190548>
- Handley, Virginia Kuulei (2016). Different Disasters, Differential Impacts: The Effect of Droughts and Floods on Women's HIV Burden in Developing Nations (Order No. 10125841). Available from ProQuest Central. (1808233327). Retrieved from <https://search.proquest.com/docview/1808233327/BD5F3E06E2624631PQ/25?accountid=190548>

## B. OPEN ACCESS

### ➤ FREE E-BOOKS

- Nirmal, B.C., Singh, Rajnish, Kumar (Eds.) (2018). Contemporary Issues in International Law: Environment, International Trade, Information Technology and Legal Education. Singapore: Springer Nature; New Delhi: Satyam Law International. <https://www.pdfdrive.com/contemporary-issues-in-international-law-environment-international-trade-information-technology-and-legal-education-e187422138.html>
- Lancaster, Chuck (Ed.) (2017). Environmental Science and Engineering. New York: White World Publications. <https://www.pdfdrive.com/environmental-science-and-engineering-d58213451.html>
- Rosen, Marc A., Darabi, Mohsen (Eds.) (2016). Environment, Ecology and Exergy: Enhanced Approaches to Environmental and Ecological Management. New York: Nova Science Publishers. <https://www.pdfdrive.com/environment-ecology-and-exergy-enhanced-approaches-to-environmental-and-ecological-management-e181772263.html>
- Masters, Gilbert M., Ela, Wendell P. (2014). Introduction to Environmental Engineering and Science (3<sup>rd</sup> ed.). Essex: Pearson Education Limited.

<https://www.pdfdrive.com/introduction-to-environmental-engineering-and-science-e158336249.html>

- Monson, Rusell K. (Ed.) (2014). Ecology and the Environment. New York: Springer Science+Business Media. <https://www.pdfdrive.com/ecology-and-the-environment-e175238463.html>
- Rosen, Marc A. (Ed.) (2012). Environment, Ecology and Exergy: Enhanced Approaches to Environmental and Ecological Management. New York: Nova Science Publishers. <https://www.pdfdrive.com/environment-ecology-and-exergy-enhanced-approaches-to-environmental-and-ecological-management-e187145456.html>
- Wali, Mohan K., Evrendilek, Fatih, Fennessy, M. Siobhan (2010). The Environment: Science, Issues and Solutions. Boca Raton, FL: CRC Press. <https://www.pdfdrive.com/the-environment-science-issues-and-solutions-d157902207.html>
- Pacyna, Jozef M., Pacyna, Elisabeth G. (Eds.). (2016). Environmental Determinants of Human Health. Switzerland: Springer. <https://www.pdfdrive.com/environmental-determinants-of-human-health-e183820568.html>
- Rom, William N. (2012). Environmental Policy and Public Health: Air Pollution, Global Climate Change, and Wilderness. San Francisco, CA: Jossey-Bass. <https://www.pdfdrive.com/environmental-policy-and-public-health-air-pollution-global-climate-change-and-wilderness-public-health-environmental-health-e157201871.html>
- Gurjar, Bhola R., Molina, Luisa T., Ojha, Chandra S.P. (Eds.) (2010). Air Pollution: Health and Environmental Impacts. Boca Raton, FL: CRC Press. <https://www.pdfdrive.com/air-pollution-health-and-environmental-impacts-e159972751.html>
- Mosier, Arvin R., Syers, J. Keith & Freney, John R. (Eds.) (2004). Agriculture and the Nitrogen Cycle: Assessing the Impacts of Fertilizer Use on Food Production and the Environment. Washington: Island Press. <https://www.pdfdrive.com/agriculture-and-the-nitrogen-cycle-assessing-the-impacts-of-fertilizer-use-on-food-production-and-the-environment-e159942637.html>
- Allaby, Michael (2000). Basic of Environmental Science. (2<sup>nd</sup> ed.). London: Routledge. <https://www.pdfdrive.com/basics-of-environmental-science-e33429625.html>
- Searle, Rick (1995). Population Growth, Resource Consumption, and the Environment: Seeking a Common Vision for a Troubled World. Canada: Centre for Studies in Religion and Society. <https://www.pdfdrive.com/population-growth-resource-consumption-and-the-environment-seeking-a-common-vision-for-a-troubled-world-e157810598.html>

#### ➤ FREE E-JOURNALS

- The Environmentalist. <https://www.sciencedirect.com/journal/the-environmentalist>
- Environmental. <https://www.sciencedirect.com/journal/environmental-pollution>
- Environmental Science and Ecotechnology. <https://www.sciencedirect.com/journal/environmental-science-and-ecotechnology>
- Environmental Development. <https://www.sciencedirect.com/journal/environmental-development>
- Energy for Sustainable Development. <https://www.sciencedirect.com/journal/energy-for-sustainable-development>

#### ➤ FREE E-THESES

- Lin, W. (2021). Nourishing modern environmental ethics with Confucian philosophy. (Masters Thesis). University of Melbourne. Retrieved from <http://hdl.handle.net/11343/275645>
- Heilpern, S. (2020). Integrating food webs and food security to understand the impact of biodiversity loss on ecosystem functions and services. (Doctoral Dissertation). Columbia University. Retrieved from <https://doi.org/10.7916/d8-q56f-mv16>
- Rojas, C. A. (2019). On the virtues of a philosophically pragmatic reorientation in environmental ethics: Adaptive co-management as a laboratory. (Doctoral Dissertation). Arizona State University. Retrieved from <http://repository.asu.edu/items/53855>
- KH, K. (2018). Environmental impacts of nanomaterials. (Thesis). University of Canterbury. Retrieved from <http://hdl.handle.net/10092/16030>
- Liu, Y. (2018). Environmental health nexus: Designing predictive models for improving public health interventions. (Doctoral Dissertation). University of Minnesota. Retrieved from <http://hdl.handle.net/11299/199044>
- Rivera Casanoba, N. M. (2018). Three essays on environmental quality with polluting sectors: Mining, electricity, and transportation. (Thesis). Michigan State University. Retrieved from <http://etd.lib.msu.edu/islandora/object/etd:19415>
- Halvorson, G. C. (2017). Valuing the air: The politics of environmental governance from the Clean Air Act to carbon trading. (Doctoral Dissertation). Columbia University. Retrieved from <https://doi.org/10.7916/D80G3XF0>
- Khalaj-Teimoury, Masoud. (2018). Environmental Impacts on Guam's Water Security and Sustainable Management of the Resource (Dissertation). University of Alaska Fairbanks. Retrieved from <https://www.proquest.com/dissertations-theses/environmental-impacts-on-guams-water-security/docview/2037195950/se-2?accountid=190548>
- Oduaran, Uzezi Ernest (2016). Effects of Petroleum Oil Spillage on Traditonal Fish Farming in the Niger Delta (Dissertatio). Southern Illinois University at Edwardsville. Retrieved from <https://www.proquest.com/dissertations-theses/effects-petroleum-oil-spillage-on-traditonal-fish/docview/1957944826/se-2?accountid=190548>
- Freed, Sarah J. (2013). Social-Ecological Dynamics of Coral Reef Resource Use and Management (Dissertation). Portland State University. Retrieved from <https://www.proquest.com/dissertations-theses/social-ecological-dynamics-coral-reef-resource/docview/1430985601/se-2?accountid=190548>
- Bozzi, Laura Anne (2013). There Used to be a Mountain Here: Institutions, Advocates, and the Politics of Mountaintop Removal Mining and the Protection of Nature (Dissertation). Yale University. Retrieved from <https://www.proquest.com/dissertations-theses/thereused-be-mountain-here-institutions-advocates/docview/1496001926/se-2?accountid=190548>

### C. PROFESSIONAL ORGANIZATIONS

- Greenpeace Philippines. <https://www.greenpeace.org/philippines/contact-us/>
- Foundation for Philippine Environment. <https://fpe.ph/>
- UN EP (UN Environment Programme). <https://www.unenvironment.org/>
- IPCC (Intergovernmental Panel on Climate Change). <https://www.ipcc.ch/>

### D. OTHER RELATED WEB PORTALS

- Center for Climate and Energy Solutions. <https://www.c2es.org/>
- National Center for Environmental Information. <https://www.ncei.noaa.gov/>
- UN Environment Program. <https://www.unenvironment.org/>
- Friends of the Earth. <https://foe.org/>
- Climate Institute. <http://climate.org/>
- World Resource Institute. <https://www.wri.org/>

#### **E. RELATED RESEARCH GUIDES**

- Princeton University Library. <https://libguides.princeton.edu/environment>
- University of South California. [https://libguides.usc.edu/environmental\\_sciences](https://libguides.usc.edu/environmental_sciences)
- Regis University Library. <https://libguides.regis.edu/c.php?g=53727&p=346290>
- Dalhousie University. [https://dal.ca.libguides.com/env\\_sciences](https://dal.ca.libguides.com/env_sciences)
- American University of Sharjah. <https://aus.libguides.com/Environmental>

#### **IV. TUTORIALS**

- Environmental Science. <https://www.youtube.com/watch?v=LE9KTG9PFho>
- Environmental Systems. <https://www.youtube.com/watch?v=jfgE-LAJ8fA>
- Climate Change – We Are the Problem and the Solution. [https://www.youtube.com/watch?v=-D\\_Np-3dVBQ](https://www.youtube.com/watch?v=-D_Np-3dVBQ)
- Introduction to Waste – Waste Management 2020 – Environmental Science. <https://www.youtube.com/watch?v=NkqwMitQ8o>
- Introduction to Environmental Science. <https://www.youtube.com/watch?v=bvXrL5shxO4>
- What is Environmental Sustainability? How to Manage it? Issues, Importance and Examples. <https://www.youtube.com/watch?v=AIJBG0aGNs8>
- Environmental Econ. <https://www.youtube.com/watch?v=BlAfFgKQ5r8>
- Environmental Science. <https://www.youtube.com/watch?v=kBOJA7jsqMw>
- Humans and the Environment. <https://www.youtube.com/watch?v=RoIpCJwX7-M>
- What is Climate Change. <https://www.youtube.com/watch?v=dcBXmj1nMTQ>
- Waste Generation and Management – Sustainability. <https://www.youtube.com/watch?v=DmFGsxLcT6k>
- Biodiversity and Conservation <https://www.khanacademy.org/science/biology/biodiversity-and-conservation>

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