



Master Bibliography

Center for Health Disparities Research
University of California, Riverside

Community Health

American Lung Association. (2020, October 23). What Is Asthma? | American Lung Association. Wwww. lung.org. <https://www.lung.org/lung-health-diseases/lung-disease-lookup/asthma/learn-about-asthma/what-is-asthma>

Center for Aerosol Impacts on Chemistry of the Environment. (n.d.). "Introduction to Aerosols". NSF CAICE. <https://caice.ucsd.edu/introduction-to-aerosols/>.

David Zelman. (2020). What Is Inflammation? WebMD; WebMD. <https://www.webmd.com/arthritis/about-inflammation>

Freund, H., M. R. Maltz, M. P. Swenson, T. M. Topacio, V. A. Montellano, W. Porter, and E. L. Aronson. 2022. Microbiome interactions and their ecological implications at the Salton Sea. *California Agriculture* 76:16–26.

Frie, A. L., J. H. Dingle, S. C. Ying, and R. Bahreini. 2017. The Effect of a Receding Saline Lake (The Salton Sea) on Airborne Particulate Matter Composition. *Environmental Science and Technology* 51:8283–8292.

Frie, A. L., A. C. Garrison, M. V. Schaefer, S. M. Bates, J. Botthoff, M. Maltz, S. C. Ying, T. Lyons, M. F. Allen, E. Aronson, and R. Bahreini. 2019. Dust Sources in the Salton Sea Basin: A Clear Case of an Anthropogenically Impacted Dust Budget. *Environmental Science & Technology* 53:9378–9388.

Inflammation. (n.d.). National Institute of Environmental Health Sciences. <https://www.niehs.nih.gov/health/topics/conditions/inflammation/index.cfm>

Inflammation: What is it, causes, symptoms & treatment. (2021, July 28). Cleveland Clinic. <https://my.clevelandclinic.org/health/symptoms/21660-inflammation>

Institute for Quality and Efficiency in Health Care. (2018, February 22). What is an inflammation? Nih.gov; Institute for Quality and Efficiency in Health Care (IQWiG). <https://www.ncbi.nlm.nih.gov/books/NBK279298/>

Mayo Clinic. (2022, March 5). Asthma - symptoms and causes. Mayo Clinic. <https://www.mayoclinic.org/diseases-conditions/asthma/symptoms-causes/syc-20369653>

National Heart, Lung, and Blood Institute. (2022). What Is Asthma? Wwww.nhlbi.nih.gov. <https://www.nhlbi.nih.gov/health/asthma>

Environment of the Salton Sea

- Belén Martí-Cardona, Steissberg, T. E., S. Geoffrey Schladow, & Hook, S. J. (2008). Relating fish kills to upwellings and wind patterns in the Salton Sea. *Hydrobiologia*, 604(1), 85–95. <https://doi.org/10.1007/s10750-008-9315-2>
- Carmichael, W.W., Li, R. Cyanobacteria toxins in the Salton Sea. *Aquat. Biosyst.* 2, 5 (2006). <https://doi.org/10.1186/1746-1448-2-5>
- Caskey, L.L., Riedel, R.R., Costa-Pierce, B. et al. Population dynamics, distribution, and growth rate of tilapia (*Oreochromis mossambicus*) in the Salton Sea, California, with notes on bairdiella (*Bairdiella icistia*) and orangemouth corvina (*Cynoscion xanthulus*). *Hydrobiologia* 576, 185–203 (2007).
- Chaffin, J. D., Bridgeman, T. B., Bade, D. L., & Mobilian, C. N. (2014). Summer phytoplankton nutrient limitation in Maumee Bay of Lake Erie during high-flow and low-flow years. *Journal of Great Lakes Research*, 40(3), 524–531. <https://doi.org/10.1016/j.jglr.2014.04.009>
- Costa-Pierce BA, Riedel R. Fisheries ecology of the tilapias in subtropical lakes in the United States. In: Costa-Pierce B, Rakocy J, eds. *Tilapia Aquaculture in the Americas*. Baton Rouge, LA: World Aquaculture Society, 2000, Volume 2, pp. 1-20.
- Dexter, D. M., Dainer, J. S., Detwiler, P. M., Moreau, M. F., & Hurlbert, S. H. (2007). Decline of springtime abundance of the pileworm *Neanthes succinea* in relation to hydrographic conditions at the Salton Sea, California. *Lake and Reservoir Management*, 23(5), 570–581. <https://doi.org/10.1080/07438140709354038>
- Fernstrom, A., & Goldblatt, M. (2013). Aerobiology and Its Role in the Transmission of Infectious Diseases. *Journal of Pathogens*, 2013, 1–13. <https://doi.org/10.1155/2013/493960>
- Fogel, M., Ajami, H., Aronson, E., Roya Bahreini, Elders, W., Jenerette, D., Lo, D., Lyons, T., McKibben, M., Porter, W., Raju, A., Schwabe, K., Hung, C., & Nye, J. (2021). Crisis at the Salton Sea: The Vital Role of Science.
- Flores-Galván, M.A., Daesslé, L.W., Arellano-García, E. et al. Genotoxicity in fishes environmentally exposed to As, Se, Hg, Pb, Cr and toxaphene in the lower Colorado River basin, at Mexicali valley, Baja California, México. *Ecotoxicology* 29, 493–502 (2020). <https://doi.org/10.1007/s10646-020-02200-9>
- Hackett, J. D., Anderson, D. M., Erdner, D. L., & Bhattacharya, D. (2004). Dinoflagellates: a remarkable evolutionary experiment. *American Journal of Botany*, 91(10), 1523–1534. <https://doi.org/10.3732/ajb.91.10.1523>
- Heisler, J., Glibert, P. M., Burkholder, J. M., Anderson, D. M., Cochlan, W., Dennison, W. C., Dortch, Q., Gobler, C. J., Heil, C. A., Humphries, E., Lewitus, A., Magnien, R., Marshall, H. G., Sellner, K., Stockwell, D. A., Stoecker, D. K., & Suddleson, M. (2008). Eutrophication and harmful algal blooms: A scientific consensus. *Harmful Algae*, 8(1), 3–13. <https://doi.org/10.1016/j.hal.2008.08.006>
- Kaspereit, D. (2016). Updated Conceptual Model and Reserve Estimate for the Salton Sea Geothermal Field, Imperial Valley, California [Review of Updated Conceptual Model and Reserve Estimate for the Salton Sea Geothermal Field, Imperial Valley, California]. *GRC Transactions*, 40.
- Kjelland, M. E., & Swannack, T. M. (2018). Salton Sea days of future past: Modeling impacts of alternative water transfer scenarios on fish and bird population dynamics. *Ecological Informatics*, 43, 124–145. <https://doi.org/10.1016/j.ecoinf.2017.06.001>
- Lithium. (n.d.). Energy.gov. <https://www.energy.gov/eere/geothermal/lithium#:~:text=A%20relatively%20rare%20element%2C%20lithium>

Environment of the Salton Sea

- Lyons, D. E., Patterson, A. G. L., Tennyson, J., Lawes, T. J., & Roby, D. D. (2018). The Salton Sea: Critical Migratory Stop-over Habitat for Caspian Terns (*Hydroprogne caspia*) in the North American Pacific Flyway. *Waterbirds*, 41(2), 154–165. <https://doi.org/10.1675/063.041.0206>
- Martin, B.A., Saiki, M.K. Relation of desert pupfish abundance to selected environmental variables in natural and man-made habitats in the Salton Sea basin. *Environ Biol Fish* 73, 97–107 (2005). <https://doi.org/10.1007/s10641-004-5569-3>
- Martin, C. W., Valentine, M. M., & Valentine, J. F. (2010). Competitive Interactions between Invasive Nile Tilapia and Native Fish: The Potential for Altered Trophic Exchange and Modification of Food Webs. *PLoS ONE*, 5(12), e14395. <https://doi.org/10.1371/journal.pone.0014395>
- Mary Ann Tiffany, Wolny, J., Garrett, M., Steidinger, K., & Hurlbert, S. H. (2007). Dramatic blooms of *Prymnesium* sp. (*Prymnesiophyceae*) and *Alexandrium margalefii* (*Dinophyceae*) in the Salton Sea, California. *Lake and Reservoir Management*, 23(5), 620–629. <https://doi.org/10.1080/07438140709354041>
- Michael Beman, J., Arrigo, K. R., & Matson, P. A. (2005). Agricultural runoff fuels large phytoplankton blooms in vulnerable areas of the ocean. *Nature*, 434(7030), 211–214. <https://doi.org/10.1038/nature03370>
- Moreau, M. F., Surico-Bennett, J., Vicario-Fisher, M., Gerads, R., Gersberg, R. M., & Hurlbert, S. H. (2007). Selenium, arsenic, DDT and other contaminants in four fish species in the Salton Sea, California, their temporal trends, and their potential impact on human consumers and wildlife. *Lake and Reservoir Management*, 23(5), 536–569. <https://doi.org/10.1080/07438140709354037>
- National Geographic. (n.d.). Producers. [Education.nationalgeographic.org](https://education.nationalgeographic.org/resource/producers/). <https://education.nationalgeographic.org/resource/producers/>
- National Oceanic and Atmospheric Administration. (2019, February 1). Aquatic food webs | National Oceanic and Atmospheric Administration. [www.noaa.gov](https://www.noaa.gov/education/resource-collections/marine-life/aquatic-food-webs). <https://www.noaa.gov/education/resource-collections/marine-life/aquatic-food-webs>
- Reifel, K. M., McCoy, M. P., Tiffany, M. A., Rocke, T. E., Trees, C. C., Barlow, S. B., Faulkner, D. J., & Hurlbert, S. H. (2001). *Hydrobiologia*, 466(1/3), 177–185. <https://doi.org/10.1023/a:1014551804059>
- Riedel, R. (2016). Trends of Abundance of Salton Sea Fish: A Reversible Collapse or a Permanent Condition? *Natural Resources*, 07(10), 535–543. <https://doi.org/10.4236/nr.2016.710045>
- Sapozhnikova, Y., Bawardi, O., & Schlenk, D. (2004). Pesticides and PCBs in sediments and fish from the Salton Sea, California, USA. *Chemosphere*, 55(6), 797–809. <https://doi.org/10.1016/j.chemosphere.2003.12.009>
- Shuford, D. (2002). The Salton Sea as critical habitat to migratory and resident waterbirds [Review of The Salton Sea as critical habitat to migratory and resident waterbirds]. *Developments in Hydrobiology*, 161, 255–274.
- US EPA. (2019, May 17). What is a Wetland? | US EPA. US EPA. <https://www.epa.gov/wetlands/what-wetland>
- Xu, P., Sun, C., Ye, X., Xiao, W., Zhang, Q., & Wang, Q. (2016). The effect of biochar and crop straws on heavy metal bio-availability and plant accumulation in a Cd and Pb polluted soil. *Ecotoxicology and Environmental Safety*, 132, 94–100. <https://doi.org/10.1016/j.ecoenv.2016.05.031>

Research to Action

Biddle, T. A., Li, Q., Maltz, M. R., Tandel, P. N., Chakraborty, R., Yisrael, K., Drover, R., Cocker, D. R., & Lo, D. D. (2021). Salton Sea aerosol exposure in mice induces a pulmonary response distinct from allergic inflammation. *Science of the Total Environment*, 792, 148450. <https://doi.org/10.1016/j.scitotenv.2021.148450>

Biddle, T. A., Yisrael, K., Drover, R., Li, Q., Maltz, M. R., Topacio, T. M., Yu, J., Del Castillo, D., Gonzales, D., Freund, H. L., Swenson, M. P., Shapiro, M. L., Botthoff, J. K., Aronson, E., Cocker, D. R., & Lo, D. D. (2023). Aerosolized aqueous dust extracts collected near a drying lake trigger acute neutrophilic pulmonary inflammation reminiscent of microbial innate immune ligands. *Science of the Total Environment*, 858, 159882. <https://doi.org/10.1016/j.scitotenv.2022.159882>

Peng, X., Maltz, M. R., Botthoff, J. K., Aronson, E. L., Nordgren, T. M., Lo, D. D., & Cocker, D. R. (2019). Establishment and characterization of a multi-purpose large animal exposure chamber for investigating health effects. *Review of Scientific Instruments*, 90(3). <https://doi.org/10.1063/1.5042097>

History of the Salton Sea

Background information on the Salton Sea. (n.d.). <https://wildlife.ca.gov/Regions/6/Salton-Sea-Program/Background#:~:text=Although%20large%20seas%20have%20cyclically,flowed%20into%20the%20Salton%20Sink>

Institute, R. (2002). *Salton Sea Atlas*. ESRI, Inc.

Patten, M., McCaskie, G. & Unitt, P. (2003). A HISTORY OF THE SALTON SINK. In *Birds of the Salton Sea: Status, Biogeography, and Ecology* (pp. 1-6). Berkeley: University of California Press. <https://doi.org/10.1525/9780520929449-003>