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**References**

**What is the role of Carbon in Climate Change?**

Coffield, S. R., Hemes, K. S., Koven, C. D., Goulden, M. L., & Randerson, J. T.

(2021). Climate‐Driven Limits to Future Carbon Storage in California's

Wildland Ecosystems.*AGU Advances,*

*2*(3)<https://doi.org/10.1029/2021AV000384>

**Reference**

[Climate‐Driven Limits to Future Carbon Storage in California's Wildland Ecosystems - ProQuest Central - ProQuest](https://www.proquest.com/central/docview/2576659537/D27871C617CC4A4APQ/7?accountid=10008&sourcetype=Scholarly%20Journals)

* This article talks about the enhanced ecosystem and carbon storage and many climate mitigation pathways. The state of California has set a path of carbon neutrality by 2045. This came about through the path of doing statistical modeling for a long-term carbon sequestration in the forest and shrublands.

Works Cited

Uyar, Nehir. "Spatiotemporal Dynamics of Carbon Storage in Utah: Insights from

Remote Sensing and Climate Variables."*Sustainability*, vol. 17, no. 5, 2025,

pp. 1976*. ProQuest Central*, https://login.proxy035.nclive.org/login?url=https://www.proquest.com/scholarly-journals/spatiotemporal-dynamics-carbon-storage-utah/docview/3176370711/se-2, doi:https://doi.org/10.3390/su17051976.

[Spatiotemporal Dynamics of Carbon Storage in Utah: Insights from Remote Sensing and Climate Variables - ProQuest Central - ProQuest](https://www.proquest.com/central/docview/3176370711/D27871C617CC4A4APQ/8?accountid=10008&sourcetype=Scholarly%20Journals)

* In this article it examines the relationship between carbon storage and various climatic variables, including precipitation, temperature, humidity, and radiation. It also talk about understanding carbon storage in terrestrial ecosystems which plays a vital role in regulating the global carbon cycle and mitigating climate change. This particular research talks about the diverse ecosystems and semi-arid climate to investigate climate-carbon interactions, particularly in response to changing environmental conditions.

**What are the consequences of climate change?**

Bell, J. G., Samost, M., Wolford, L. L., Sipe, M., Starodub, R., Belanger, B., Do, G.,

Donati, C., O'Brien, L., & Nicholas, P. K. (2023). Health Consequences of

Climate Change: Continuing Education Opportunities for Health Professionals

in the United States.*The Journal of Continuing Education in Nursing, 54*(12),

561-566. <https://doi.org/10.3928/00220124-20231013-02>

**Reference**

[Health Consequences of Climate Change: Continuing Education Opportunities for Health Professionals in the United States - ProQuest](https://www.proquest.com/docview/2893973495/E8729CA1A5C54C8FPQ/1?accountid=10008&sourcetype=Scholarly%20Journals)

* This article talks about the health consequences of climate change increasingly contribute to negative health outcomes for individuals, families, communities, and population. It discusses the health impact of climate change that includes heat-related illnesses as a result to high temperature and respiratory complications caused by exposure to poor air quality. Health professionals educate on the consequences of climate change and the critical need of educating nurses.

Gianfredi, V., Mazziotta, F., Clerici, G., Astorri, E., Oliani, F., Cappellina, M.,

Catalini, A., Bernardo Maria Dell’Osso, Pregliasco, F. E., Castaldi, S., &

Benatti, B. (2024). Climate Change Perception and Mental Health. Results

from a Systematic Review of the Literature.*European Journal of*

*Investigation in Health, Psychology and Education, 14*(1),

215. <https://doi.org/10.3390/ejihpe14010014>

**Reference**

[Climate Change Perception and Mental Health. Results from a Systematic Review of the Literature - ProQuest](https://www.proquest.com/docview/2918717308/E8729CA1A5C54C8FPQ/45?accountid=10008&sourcetype=Scholarly%20Journals)

* This article talks about how climate change increased health care costs estimated to $219 million between 2000 and 2009, It discusses that climate change is due to human activities. It talks about how climate change poses a risk to food safety and security.

**How can society address climate change?**

Latkin, C., Lee, H., Srinivasan, S., Bhaktaram, A., & Dayton, L. (2025). Who Is

Taking Actions to Address Climate Change: Prevalence and Correlates of

Actions to Address Climate Change in a Nationally Representative U.S.

Sample of Adults.*Sustainability, 17*(5), 1861. <https://doi.org/10.3390/su17051861>

**Reference**

[Who Is Taking Actions to Address Climate Change: Prevalence and Correlates of Actions to Address Climate Change in a Nationally Representative U.S. Sample of Adults - ProQuest](https://www.proquest.com/docview/3176372727/69BD74658A7442D2PQ/4?accountid=10008&sourcetype=Scholarly%20Journals)

* This article talks about how policymakers can play a big part in reducing greenhouse gas emission. It also talks about certain demographic groups involvement. It mentions certain behavioral characteristics at an individual level.

Dye, A. W., Houtman, R. M., Gao, P., Anderegg, W. R. L., Fettig, C. J., Hicke, J. A.,

Kim, J. B., Still, C. J., Young, K., & Riley, K. L. (2024). Carbon, climate, and

natural disturbance: a review of mechanisms, challenges, and tools for

understanding forest carbon stability in an uncertain future.*Carbon Balance*

*and Management, 19*(1), 35. <https://doi.org/10.1186/s13021-024-00282-0>

**Reference**

[Carbon, climate, and natural disturbance: a review of mechanisms, challenges, and tools for understanding forest carbon stability in an uncertain future - ProQuest](https://www.proquest.com/docview/3115239810/69BD74658A7442D2PQ/10?accountid=10008&sourcetype=Scholarly%20Journals)

* This article talks about climate change and the forest. By maintaining or increasing forest carbon on these lands is a critical component and solution. Forest carbon storage is a critical ecosystem service.