

Review of: "Water-Energy Nexus in Power Systems: A Review"

Brenda Acevedo-Juárez¹

¹ Universidad de Guadalajara

Potential competing interests: No potential competing interests to declare.

The article conducts a literature review that aims to carry out a comprehensive and in-depth analysis of existing research on the water-energy nexus, focusing on the critical interdependence between energy and water systems to argue for the need for more research to understand the environmental and energy production implications of the water-energy nexus. Regarding the methodology carried out, a review is suggested that demonstrates the inclusion and exclusion criteria for the study, as well as the databases analyzed, demonstrating the stratification of the studies included in the review to clearly show the need for more research on the water-energy nexus. Regarding legislation, a more in-depth analysis is recommended at the international level; Latin American countries such as Brazil and Mexico are also analyzed for the importance of legislation on the nexus, as demonstrated in Torres, C. J. F., et.al. (2021). "A method to classify the interrelationship between sectoral regulatory laws and the 'water-energy-agriculture nexus concept' in Brazil." *Water Supply*, 21(5), 2158-2172. Figures are not shown in the manuscript; Figure 1 seems to have little relevance to the manuscript scope. In summary, the article is carefully written and addresses the topic and importance of the water-energy nexus and can be strengthened by clarifying the methodology and deeply addressing international legislation.