

The eighth bibliometric finding concerning a missing cultural value in soil degradation, erosion, and pollution studies

Minh-Hoang Nguyen ^{1,2}

Quy Van Khuc ³

Huyen Nguyen T. Thanh ^{1,4}

Manh-Toan Ho ^{1,4}

¹ The Centre for Interdisciplinary Social Research, Phenikaa University, Hanoi 100803, Vietnam

² Ritsumeikan Asia Pacific University, Beppu, Oita, Japan

³ Vietkaplab, Hanoi 100000, Vietnam

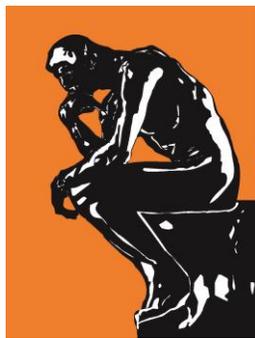
⁴ AISDL, Vuong & Associates, Hanoi 100000, Vietnam

Working Draft v2

Date: November 11, 2020

Last update: May 18, 2024

No. AISDL-ENV-BIB08



(Un-peer-reviewed draft)

*
* *

“[...] her ethereal attire earns her the title of “Dreamy Wings.” Her entire being is like an ethereal painting, a playful creation of nature using colors, lines, dots, strokes, and patches. One can only exclaim, “Absolutely enchanting. Is this real or an illusion?”

In "The Philosophy of Awakening"; [The Kingfisher Story Collection](#) [1]

Purpose

This short piece of communication has the sole purpose of identifying some evidence, supporting our view regarding a possible missing environment-nurturing cultural value [2]. Here, we attempt to examine the existence of cultural research within the boundary of soil degradation, erosion, and pollution topic.

Method

In what follows, we employ the bibliometric approach that has been presented in Nguyen & Vuong [3]. The search queries used are borrowed from the work of Guo [4]. We also integrate several additional keywords for covering the topic regarding soil degradation ("soil degradation" and "land degradation") and land erosion ("land erosion" and "soil erosion").

After completing the search, the number of publications is narrowed down according to the Research Areas structured by the Web of Science (WoS). The second collection consists of the following research areas: History, Mathematical Methods in Social Sciences, Social Sciences other topics, Public Environmental Occupational Health, Urban Studies, International Relations, Anthropology, Geography, Demography, Arts Humanities other topics, Development Studies, Education Educational Research, Business Economics, Health Care Sciences Services, Pediatrics, Area Studies, Sociology, Government Law, Public Administration, and Psychology.

Finally, we select papers categorized in the *Cultural Studies* research area from the second collection. The whole procedure is displayed in Figure 1. The search is conducted on November 11, 2020. It should be noted that we do not limit the search results by language, document type, or publication time, and utilize the 'Topic' search field when seeking the first collection in the WoS database.

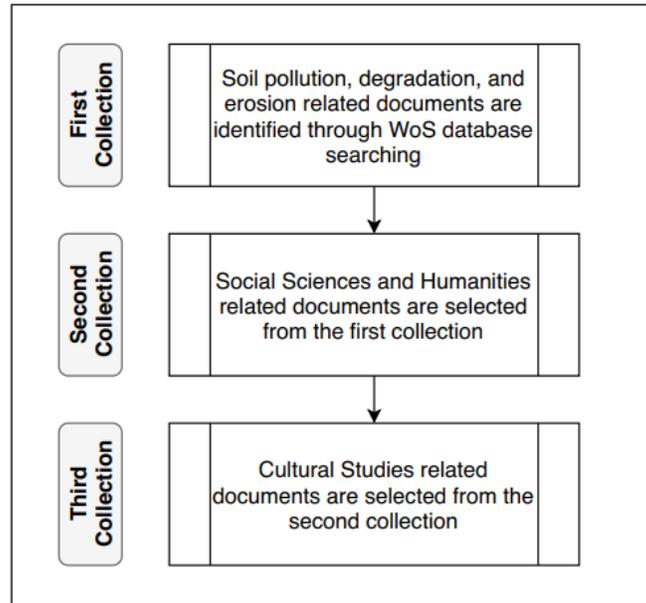


Figure 1: Searching procedure

Findings

The search yields 73,085 documents about soil contamination, degradation, erosion. However, there remain solely approximately 5%, when we limit the scope to Social Sciences and Humanities research areas (3,605 publications). Finally, We only detect two publications (0.003% of total publications) classified as 'Cultural Studies' research area (see Figure 2).

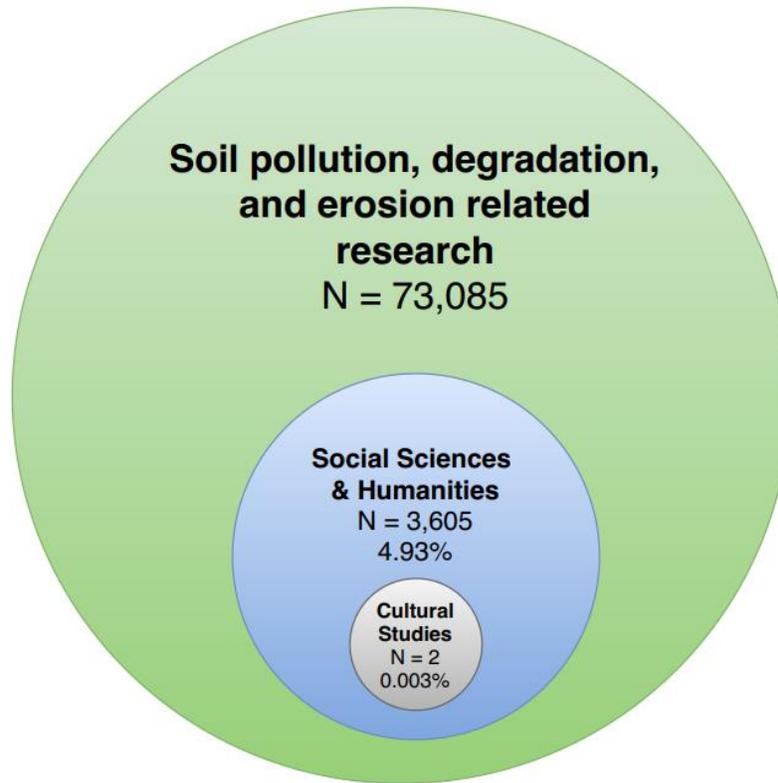


Figure 2: Percentage of Cultural Studies regarding land pollution, degradation, and erosion research

The first study is a proceeding paper presented at the 1st International Conference on Social Sciences Education. The paper's purpose is to evaluate the effectiveness of an educational methodology – Student Teams-Achievement Divisions (STAD) on students' geography learning outcomes in relation to the material of land degradation and its impact on human life [5]. Another study is to propose a strategy that facilitates the transformation of degraded public spaces into social places [6].

Remarks

Overall, we have found the existence of cultural studies within the boundary of soil contamination, degradation, and erosion research. Still, there are barely two documents which account for less than 0.003% of total publications. Compared to previous findings [7-13], this percentage is relatively small. The main aims of cultural studies in this research field are to assess the strategies that increase human awareness and involve people in restoring land. Both studies mention the dependence of land restoration and protection on actions and interactions of human; nevertheless, no studies explicitly indicate the importance of cultural elements in "healing" the land.

We are aware that this finding is preliminary, and our statement in [2] can potentially be somewhat subversive by nature. Therefore, this communication has no intention of making any conclusion. It rather keeps the finding clean and clear for later use. The effort represents our approach of enabling the mindsponge process to work better and more efficiently in discovering a new paradigm that supports the nurturing of humanistic values for natural protection and a sustainable environment [14,15]. The future research directions will consider possible limitations (data, methods, or analytical framework), in line with [16].

References

- [1] Vuong, Q. H. (2022). *The Kingfisher Story Collection*.
<https://www.amazon.com/dp/BOBG2NNHY6>
- [2] Vuong, Q. H. (2021). The semiconducting principle of monetary and environmental values exchange. *Economics and Business Letters*, 10(3), 284-290.
doi:10.17811/ebl.10.3.2021.284-290
- [3] Nguyen, M. H., & Vuong, Q. H. (2021). Evaluation of the Aichi Biodiversity Targets: the international collaboration trilemma in interdisciplinary research. *Pacific Conservation Biology*, 28(6), 517-531. doi:10.1071/PC21026
- [4] Gou, K., Liu, Y. F., Zeng, C., Chen, Y. Y. & Wei, X. J. (2014). Global research on soil contamination from 1999 to 2012: A bibliometric analysis. *Acta Agriculturae Scandinavica, Section B – Soil & Plant Science* 64(5): 377-391. doi: 10.1080/09064710.2014.913679
- [5] Arisanty, D., & Aristin, N. F. (2017). Application Of Student Teams-Achievement Divisions (Stad) On Material Of Land Degradation And Impact on Humans. *Advances in Social Science, Education and Humanities Research (ASSEHR)* 147: 44-46.
- [6] Zhouri, A. (2004). Global–Local Amazon Politics: Conflicting Paradigms in the Rainforest Campaign. *Theory, Culture & Society* 21(2): 69-89. doi: 10.1177/0263276404042135
- [7] Nguyen, M. H., & Vuong, Q. H. (2020). The first finding from a bibliometric analysis concerning a missing environment-nurturing cultural value. *OSF Preprints*. doi:10.31219/osf.io/bhju8
- [8] Nguyen, M. H., & Vuong, Q. H. (2020). The fourth finding concerning a missing cultural value: a bibliometric analysis on water pollution. *OSF Preprints*. doi: 10.31219/osf.io/6fzsd

- [9] Nguyen, M. H., & Vuong, Q. H. (2020). The third finding concerning a missing cultural value: a bibliometric analysis using the Web of Science. *OSF Preprints*. doi:10.31219/osf.io/jbcx3
- [10] Nguyen, M. H., & Vuong, Q. H. (2020). In search of a new cultural value: The second finding from a bibliometric analysis on biodiversity. *OSF Preprints*. doi:10.31219/osf.io/gzkfj
- [11] Nguyen, M. H., & Vuong, Q. H. (2020). The fifth bibliometric finding on waste management and cultural studies. *OSF Preprints*. doi: 10.31219/osf.io/dn7yw
- [12] Nguyen, M. H., Nguyen, T. T. H., & H, M. T. (2020). The sixth bibliometric finding on the missing cultural studies in groundwater depletion research. *OSF Preprints*. doi: 10.31219/osf.io/kcgjf
- [13] Nguyen, M. H., Khuc, V. Q., Nguyen, T. T. H., & H, M. T. (2020). The seventh bibliometric finding on deforestation and cultural studies. *OSF Preprints*. doi: 10.31219/osf.io/k3epx
- [14] Vuong, Q. H. (2023). *Mindsponge Theory*. Walter de Gruyter GmbH. <https://www.amazon.com/dp/B0C3WHZ2B3>
- [15] Nguyen, M.-H. (2024). Five principles to leverage the humanistic values for biodiversity conservation and climate change mitigation. <https://mindsponge.info/posts/307>
- [16] Vuong, Q. H. (2020). Reform retractions to make them more transparent. *Nature* 582(7811):149. doi:10.1038/d41586-020-01694-x