

My research focuses on exploring the psychological connection between people and nature, covering various aspects such as the content and dimensions of this connection, development of measurement tools, theoretical exploration, model building and testing. Additionally, I apply my research findings in educational contexts, specifically in developing effective teaching strategies and evaluation methods in climate change education.

Techniques (Apps) used in study

Qualitative: coding analysis (Atlas.ti, Nvivo, Maxqda).

Quantitative: scale development and validation (SPSS, Lisrel, ConQuest), theory building and verification (Lisrel, Amos, Mplus).

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Background:

PhD in Environmental Education,
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Funding:

National Science and Technology Council
Ministry of Education



Table 2. Descriptives, reliability, and validity for the Environmental Identity Scale (EID) scale in each sample.

Sample	Mean	SD	Reliability	r Concern	r Behavior
US Mturk	5.28	1.19	0.94	0.72	0.57
US zoos	6.02	0.86	0.94	0.63	–
US highschool	4.91	0.99	0.82	0.67	0.56
Russian	5.73	0.76	0.86	0.46	0.45
Swiss	5.36	0.83	0.87	0.52	0.39
Taiwanese	4.81	1.06	0.94	0.38	0.44
Peru	6.13	0.7	0.87	–	–
Overall	5.7	0.94	0.89	0.54	0.40

Cross-Cultural Validation of A Revised Environmental Identity Scale, 2021

Comparing Taiwanese and Japanese Undergraduates' Connection with Nature, 2021

Table 2-1 Multiple regression to the entire IEB in Taiwan

Model	Unstandardized coefficients		Standardized coefficients	t	p
	B	SE	β		
(intercept)	.46	.41		1.11	.27
NEP	.27	.07	.22	3.61	< .001
CWN (whole scale)	.55	.06	.53	8.61	< .001

R = .61* R² = .37 Δ R² = .36
*intention of environmental behaviors (IEB)

Table 2-2 Multiple regression to entire IEB in Japan

Model	Unstandardized coefficients		Standardized coefficients	t	p
	B	SE	β		
(intercept)	1.15	.79		1.46	.148
NEP	.05	.20	.02	.27	.79
CWN (whole scale)	.54	.11	.41	4.764	< .001

R = .42* R² = .17 Δ R² = .16
*intention of environmental behaviors (IEB)

Publications

Tseng, Y. C., Sakurai, R. & To, K. (2021). Comparing undergraduates' Connection with Nature and New Ecological Paradigm in relation to intention of environmental behaviors in Taiwan and Japan. *Japanese Journal of Environmental Education*, 31(2), 38-50.

Clayton, S., Czellar, S., Nartova-Bochaver, S., Skibins, J. C., Salazar, G., Tseng, Y.-C., Irkhin, B., & Monge-Rod, F. S. (2021). Cross-Cultural Validation of a Revised Environmental Identity Scale. *Sustainability*, 13(4), 2387.

Tseng, Y. C. (2020). An explorative research on the relationships among Taiwanese adolescents' significant life experiences and environmental behaviors with the mediation of connection with nature. *Chinese Journal of Science Education*, 28(3), 223-254.

Tseng, Y. C., & Wang, S. M. (2020). Understanding Taiwanese adolescents' connections with nature: Rethinking conventional definitions and scales for environmental education. *Environmental Education Research*, 26(1), 115-129.

Tseng, Y. C. (2019). The Development of Connection with Nature Scale for Junior-High-School Adolescents. *Chinese Journal of Science Education*. 27(4), 323-345.

