

Special Issue on

Advances in Technology-Related Psychological Scales and Measures

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The interplay between humans and technology is becoming increasingly complex, as the boundary between the online and offline worlds grows ever more porous. Currently, the measurement of this intricate relationship faces two primary challenges: one rooted in culture and language, and the other in methodology.

Culturally and linguistically, these measurements often lack universality. Their validation is frequently confined to languages spoken in economically developed nations, leading to a language bias that impedes comprehensive cross-cultural understanding. On the methodological front, advanced measurements, resulting from the integration of classical metrics with sensor-based data, often remain constrained to specific contexts, lacking the standardization required for replication and comparison. This lack of standardization contributes significantly to measurement biases.

Therefore, the objective of this Special Issue is to propel the linguistic validation of measurements designed to comprehend and model aspects of the relationship between humans and technology (e.g., digital life balance, the need for online social feedback, Internet locus of control). Notably, our focus extends to languages that have traditionally received less consideration, recognizing that professionals and researchers in regions that have been historically underrepresented still require access to validated measurement tools.

Furthermore, this Special Issue endeavors to encourage the development of measurements that explore the human-technology relationship from a more culture-aware perspective. In addition, it aims to facilitate the creation of advanced methodologies and tools that can be standardized, potentially fostering international collaboration within the realm of Open Science and Open Science Laboratories. In summary, this special issue marks a critical step toward providing validated measurement instruments to a broader spectrum of professionals and researchers. It seeks to promote a more inclusive understanding of the intricate interplay between humanity and technology. We welcome original research and review articles.

Potential topics include but are not limited to the following:

- ▶ Integration of open science practices in the development and validation of cross-cultural measurement tools
- ▶ Culture-fair approaches to technology-related measures
- ▶ Technological engagement in emerging economies
- ▶ Cross-cultural studies on human behavior and emerging technologies
- ▶ Contextual and culture-aware digital literacy assessment
- ▶ AI-enhanced psychometrics
- ▶ Validation of AI-enhanced measurement tools
- ▶ Digital well-being measurement
- ▶ Open data and sensor technologies for technology-related behavior modelling

Authors can submit their manuscripts through the Manuscript Tracking System at <https://review.wiley.com/submit?specialIssue=267707>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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