

The Report from Science Education International

Prof.Dr.Bulent Cavas
Editor

1. Executive Summary

This report provides an evaluation of *Science Education International* (SEI), the official peer-reviewed journal of the International Council of Associations for Science Education (ICASE), covering the six-year period from 2020 to 2025. The data demonstrates that SEI maintains a consistent publication volume while achieving significant growth in academic impact, citation dynamics, and global visibility. With an H-Index of 13 and a stable position in the Scopus Q3 quartile for the Education category, the journal stands as an influential global platform for disseminating science education research.

2. Key Journal Metrics & Structural Overview

During the analyzed period (2020–2025), the journal's structural output remained highly stable across its quarterly publication schedule. The core operational metrics are summarized below:

- **Total Volumes:** 6 volumes (Volumes 31 to 36).
- **Total Issues Published:** 24 issues.
- **Total Articles:** 258 papers.
- **Total Contributing Authors:** 658 researchers.
- **Geographical Spread:** 171 institutional country representations recorded across all issues.

Annual Publication Trends

The volume of published documents has shown consistent stability, with minor annual fluctuations:

- **2020:** 46 articles
- **2021:** 43 articles
- **2022:** 46 articles
- **2023:** 34 articles
- **2024:** 42 articles
- **2025:** 40 articles

3. Academic Impact & Citation Dynamics

The most notable achievement for SEI during this timeframe is the substantial increase in scientific impact and citation performance.

CiteScore and Percentile Growth

The journal's CiteScore and its relative position within the "Social Sciences: Education" category have experienced an upward trajectory:

- **2022:** CiteScore of 1.0, tracking at the 30th percentile.
- **2023:** CiteScore increased to 1.3, rising to the 37th percentile.
- **2024:** CiteScore maintained at 1.3, tracking at the 35th percentile.
- **2025:** CiteScore surged to **1.8**, climbing significantly to the **44th percentile**.

The SCImago Journal Rank (SJR) for 2025 stands at **0.33**, cementing its strong Q3 status and moving it closer to the Q2 boundary.

Citations per Document

The "Citations per Document" tracking metrics (calculated over 2, 3, and 4-year windows) converged seamlessly in 2025, reaching an all-time high of approximately **1.4 citations per document**. This indicates that articles published in SEI are being cited more rapidly and extensively by the global academic community.

4. Editorial & Author Demographics

SEI demonstrates a strong commitment to gender diversity and inclusive researcher representation. Gender Balance: The percentage of female authors has consistently remained high. It peaked in 2020 at approximately 57%, experienced a temporary drop to 33% in 2022, and strongly rebounded to 56.5% in 2025. This reflects an exceptionally strong representation of female scholars in the journal.

5. Thematic Trends & Research Content

The journal covers a wide array of fields, but the thematic analysis highlights a clear concentration in core educational domains.

Top Research Themes

- Science Education: Accommodates the largest share at 30.6% combined (Science Education: 21.4%, Science: 9.2%).
- Educational Technology: Represents 9.2% of the published volume.
- Teacher & Professional Development: Pre-Service Teachers account for 7.6% and Professional Development takes up 4.6%.
- STEM / STEM Education: Holds a combined total of 9.9% (STEM Education: 5.3%, STEM: 4.6%).
- Cognitive Skills: Critical Thinking (5.3%), Conceptual Understanding (4.6%), and Computational Thinking (4.6%) emphasize the journal's focus on modern learning methodologies.

6. Global Reach & Funding Insights

Regional Representation

Based on normalized regional point scores, Europe continues to be the dominant hub for published papers, scoring the highest at 80 points. North America and Asia follow with moderate, stable contributions, while Africa, South America, and the Australia/Pacific regions present smaller footprints.

Funding Sponsorship

A significant portion of the high-impact research published in SEI has been backed by major international funding agencies:

- European Commission & Japan Society for the Promotion of Science (JSPS): Leading sponsors with 4 documents each.
- National Science Foundation (NSF) & Fundação para a Ciência e a Tecnologia (FCT): 3 documents each.
- Erasmus+: 2 documents.

7. Strategic Recommendations for the ICASE Executive Committee

Based on the six-year bibliometric data, the editorial team suggests the following strategic actions to the Executive Committee:

1. Targeted Regional Diversification: While European representation is excellent, SEI should actively court submissions from South America, Africa, and the Asia-Pacific region to truly diversify its global footprint. Organizing special issues tied to regional ICASE chapters can bridge this gap.
2. Capitalizing on the CiteScore Surge: The leap to a 1.8 CiteScore in 2025 must be highlighted in ICASE promotional materials. This increased prestige can be leveraged to attract higher-tier institutional submissions and indexation consideration for emerging indexes.
3. Expanding Contemporary STEM & AI Themes: Given that Technology and STEM currently account for roughly 19% of themes, expanding calls for papers addressing Artificial Intelligence (AI) and Virtual Reality (VR) in science teaching will align the journal with rapid global funding trends.