

Introducing Safety and Health at Work, a world-class health and safety journal

The impact factor of *SH@W*, KOSHA's international journal, has jumped from 1.945 points in 2020 to 4.045 points in 2022, just three years after first being included in the Science Citation Index (SCI) database.



- ***Safety and Health at Work (SH@W)*** is published by the Occupational Safety and Health Research Institute (OSHRI, Director General Kim Eun-A), which operates under the auspices of the Korea Occupational Safety and Health Agency (KOSHA). The journal has seen its impact factor (IF) break into 4-point territory after just three years of SCI coverage.

➤ *SH@W* was launched in 2010, was first covered by the SCI in 2019, and was listed with an IF of 4.045 points in the most recently published SCI report.

* The impact factor list is published at the end of each June by Clarivate Analytics (a publicly traded analytics company that is among the top providers of subscription-based services in the areas of bibliometrics and scientometrics). The list is based on the number of citations from individual journals that are used in academic papers.

Changes in impact factor over 3 years after inclusion in SCI coverage

2020	2021	2022
1,945	2,707	4,405

- The impact factor is an objective indicator used to evaluate the relative importance of international journals within their respective fields.

➤ *SH@W* only publishes articles related to workers and occupational safety and health. As such the journal deals with issues that are relatively more specific and specialized than those found in academic journals on social culture, medicine, or technology, which means an IF that exceeds 2 points indicates it is a highly influential publication.

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› The journal has been publishing a Korean edition of abstracts once a year since 2021 to help promulgate outstanding papers and support young Korean researchers. Around this November, the next annual publication of abstracts in the Korean-language is scheduled for release after a strict screening of the most recently published papers.

› The guide for manuscript submission to *SH@W* can be found on the website of the Korea Institute of Occupational Safety and Health.

- Beyond publishing papers in *SH@W*, OSHRI remains focused on cultivating young researchers. As part of this effort the Institute hosts an academic conference each year to search out up-and-coming researchers in the field of safety and health.

› For example, the academic conference held at KINTEX this past July, during Safety and Health Week, attracted much attention from researchers inside and outside Korea.

- Director Kim Eun-A said, “OSHRI has gained an international reputation after years of hard work. Going forward, we will continue our effort to improve our IF and break into the top quartile(Q1) of academic journals.”

Introduction to *SH@W*

- The relationship between OSHRI and *SH@W*

The Occupational Safety and Health Research Institute has been publishing *Safety and Health at Work*, the international journal on occupational health and safety, on a quarterly basis.

- *SH@W* and SCI-indexed journals

Safety and Health at Work was launched in 2010 and in 2019 became Korea's only international journal on occupational safety, health, and the environment to be covered by both the SCI and SSCI.

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- * The Science Citation Index(SCI) and Social Science Citation Index(SSCI) represent the databases established by US-based Clarivate Analytics of the world's most impactful journals. The company's expert in-house editors use a single set of criteria to carefully select academic journals with significant contributions every year. These are widely used to review and evaluate outstanding journals worldwide.
- * *SH@W* is now covered by two of the most prestigious journal-indexing databases—SCOPUS, owned by the Dutch company Elsevier, starting in 2013, and Clarivate Analytics' SCI/SSCI starting in 2019.

Every June, Clarivate releases its Journal Citation Report, updating the impact factor for SCI-listed journals during the previous twelve months. *SH@W* received an IF score of 1.945 points within a year of being included in SCI in 2019. The score rose to 2.707 points in 2021 and on to a strong 4.045 points in 2022.

2020	2021	2022
1,945 point	2,707 point	4,405 point

The quality of SCI-grade journals in science and technology can be evaluated through the number of citations they generate. The impact factor is a measure of the frequency with which articles in the SCI-listed journals have been cited. IF is used to compare the level of scientific and technological research among countries and institutions as well as to support research funding, recognize degrees, and evaluate academic outcomes.

It should be noted that there are limitations to comparing all academic journals only with their impact factor, since the IF can vary depending on the field and scope of the research. However, the field of occupational safety and healthy covers relatively more specific and special issues than do the fields of social culture, science, and technology, so achieving an IF of 4 points in just 4 years implies that *SH@W* carries significant prestige.

Along with the IF, each subject category of SCI-grade journals is divided into quartiles: Q1 (top 25%), Q2 (top 50%), Q3 (top 75%), Q4 (the rest). *SH@W* is currently part of Q2 and is ranked within the top 25% to 50% of the world's SCI-grade journals.

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Changes in impact factor over 3 years after inclusion in SCl coverage

Academic Journal	2019 IF	2020 IF	2021 IF	Quartile	Institution	Nation
<i>Safety Science</i>	1,945 point	1,945 point	1,945 point	1,945 point	1,945 point	1,945 point
<i>Safety and Health at Work</i>	5	5	5	5	5	5
<i>Journal of Occupational Medicine and Toxicology</i>	5	5	5	5	5	5
<i>In Arch Occupational Environmental Health</i>	5	5	5	5	5	5
<i>Industrial Health</i>	5	5	5	5	5	5
<i>Journal of Occupational and Environmental Medicine</i>	5	5	5	5	5	5

- Publication fields of *SH@W*

SH@W publishes articles on science and engineering pertaining to occupational environmental medicine and epidemiology, industrial sanitation, nursing, toxicology, and occupational safety engineering; as well as articles on the humanities and social sciences, including government safety and health policy, occupational psychology, safety management and risk communication.

The journal also pays close attention to research on social issues that can affect work environments and workers' health such as the COVID-19 outbreak. Every effort is being made to respond to international safety and health issues preemptively.

- How *SH@W* works and its vision

SH@W has adopted "Subsidized Golden Open Access," allowing anyone to view and cite all studies published in the journal for free to optimize and maximize access to work by researchers around the world dedicated to the protection of workers' health.

Through this, *SH@W* aims to contribute to providing grounds for various research where experts, emerging researchers, and researchers from both advanced and developing countries can actively exchange and utilize ideas and data on protecting and improving workers' health and safety by eliminating occupational hazards.