

# Journal of Safety Science and Fire Research



# **Journal of Safety Science and Fire Research**

## **Glimpse of NSC**

The National Safety Council of India (NSCI), set up by the Ministry of Labour & Employment, Govt. of India on 4th March, 1966 is an independent, non-commercial, non-profit making, non-political and autonomous society. It is registered as a society under the Societies Registration Act, 1860 and a Trust under the Bombay Public Trusts Act, 1950. The Management and control of the affairs of NSCI are vested in a multi-partite Board of Governors. NSCI has a wide network of over 8,600 members comprising of Corporate, Individual, Life Members and trade Unions with 17 State Chapters across the country. NSC serves as a high quality resource centre for all services on Safety, Fire Safety, Health and Environment including a large variety of information, communication and educational material throughout the country. The NSC-Kerala Chapter was founded on 1970 and is governed by an Executive Committee representing employers, life members, trade union and the Government. The Hon'ble Minister for Labour, Govt. of Kerala is the patron of the Chapter.

## **About the Journal**

The “Journal for Safety Science and Fire Research (JSSFR)” is a new endeavor initiated by NSC-Kerala Chapter in order to promote publications which consist of research papers, review papers and case studies related to the field of safety science and fire research. The aim of this journal is to provide a national level platform for promoting academic and research activities for development of this engineering discipline. This journal will serve as a national medium for research in the field of safety, health, environment and fire science and technology. The scope of this journal includes the safety of people covering the entire spectrum of the workplace, such as transport, leisure, and home, as well as every other field including Process Safety, Biological Hazards, Biomechanics, Ergonomics, Occupational Health Management, Environment Management, Fire Safety, Personal Protective Equipment, Quantitative Risk Assessment, Safety of Machinery, Sustainable Safety practices and H&S in the circular economy.

JSSFR will enable academic researchers, engineers and decision makers in companies, Government agencies and National bodies to augment their information level on the latest trends in the field from policy makers and management scientists and engineers. The journal focuses primarily on original research papers across its whole scope, but also welcomes state-of-the-art review papers and first hand case histories on accidents and disasters of special significance. Topics eligible for consideration by the journal are given below. We are currently inviting articles for the following themed subject categories:

- Process safety
- Incident investigation
- Environment management
- Safety in non-process industry sectors
- Fire science and technology
- Occupational health and safety
- Transportation of hazardous materials

## Editorial Board Members

S.No.	Editors	S.No.	Associate Editors
1	<b>Dr. V. R. Renjith</b> Professor & Head, Division of Safety & Fire Engineering, School of Engineering, CUSAT	1	<b>Sri. Dilip Madhavan</b> Manager (Fire) Petronet LNG Limited Kochi
2	<b>Dr. Ramesh V M</b> Hon. Secretary NSC-KC & Sr.Manager (Fire & Safety), Retd. BPCL Kochi-Refinery	2	<b>Sri. Abdul Manaf A</b> AGM (Safety) Cochin Shipyard Limited Kochi
3	<b>Dr. G Madhu</b> Professor & Head, Division of Chemical Engineering, School of Engineering, CUSAT	3	<b>Sri. Jayakumar G</b> AGM (Safety) Retd. FACT-UC Eloor
4	<b>Dr. Bikarama Prasad Yadav</b> Associate Professor, Division of HSE & Civil Engineering, UPES , Dehradun	4	<b>Smt. Priscilla George</b> Research Scholar, School of Engineering, CUSAT
5	<b>Engr. G Swaminathan</b> Retired Director Grade Scientist, Cell for Industrial Safety & Risk Analysis, Central Leather Research Institute, Chennai	5	<b>Smt. Meenu Vijayan</b> Safety Engineer, National Safety Council – Kerala Chapter, Kochi
		6	<b>Smt. Arya Dinesh</b> Safety & Loss Prevention Engineer SBM Nauvata, Bangalore
6	<b>Engr. SreeRaj R Nair</b> Process Risk Engineer Chevron, Angola LNG, Soya, Angola	7	<b>Smt. Athira E</b> M.Tech Scholar, SOE, CUSAT
7	<b>Dr. Angayar Pavanasam</b> Independent Researcher, HOD, HSEM, International College of Engineering & Management (UCLan UK affiliation)	8	<b>Sri. Kailas Raj R S</b> M.Tech Scholar, SOE, CUSAT
		9	<b>Sri. Mathew Babu</b> M.Tech Scholar, SOE, CUSAT

## Guide for Authors

### 1. Types of Papers/Articles

Author can submit papers/articles in any of the three categories as given below:

- Research paper:** Paper with newly collected or analyzed data, experimental or survey results, or a proposed new theory or model supported by analysis and arguments.
- Review paper:** Paper with a comprehensive review of the literature on a specified topic, which updates previously published reviews, or proposes new interpretations of the current state-of-the-art on the topic.
- Case study of accident/incident:** Description and analysis of a single accident or incident, or a small number of these, providing some depth of understanding about the causes and/ or consequences.

### 2. Submission Guidelines

All articles shall be checked for plagiarism and submitted only if similarity percentage is below 10 percent. Article structure shall follow the guidelines mentioned below:

- **Subdivision - numbered sections:** The article shall be divided into clearly defined and numbered sections. Subsections shall be numbered 1.1 (then 1.1.1, 1.1.2 ...), 1.2, etc.
- **Abstract:** A concise and factual abstract is required. The abstract shall state briefly the purpose of the research, the principal results and major conclusions.
- **Introduction:** Shall include objectives of the work and provide an adequate background.
- **Material and methods:** Sufficient details shall be provided to allow the work to be reproduced by an independent researcher.
- **Theory/calculation/Description of Study:** This section shall extend, not repeat, the background to the article already dealt with in the 'Introduction' and lay the foundation for further work. A 'Calculation' section represents a practical development from a theoretical basis. Description of study shall provide all sufficient and relevant information about the case study under consideration.
- **Results:** Results shall be clear and concise.
- **Discussion:** This section shall explore the significance of the results of the work, not repeat them. A combined 'Results and Discussion' section is often appropriate.
- **Conclusions:** The main conclusions of the study shall be presented in a short 'Conclusions' section, which may stand alone or form a subsection of a 'Discussion' or 'Results and Discussion' section.
- **References:** Every reference cited in the text shall be present in the reference list (and vice versa). Harvard referencing style shall be followed. ([www.nielstoolbox.com](http://www.nielstoolbox.com))

## Essential Title Page Information

- **Title:** Shall be concise and informative.
- **Author names and affiliations:** The given name(s) and family name(s) of each author shall be clearly indicated and accurately spelled. The authors' affiliation addresses (where the actual work was done) shall be presented below the names. All affiliations shall be indicated with a lower-case superscript letter immediately after the author's name and in front of the appropriate address. The full postal address of each affiliation shall be provided, including the country name and, if available, the e-mail address of each author.
- **Corresponding author:** The co-author who will handle correspondence at all stages of refereeing and publication, also post-publication, shall be clearly mentioned.

## Formats

- The tables shall be submitted as editable text and not as images. Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end. The tables shall be numbered consecutively in accordance with their appearance in the text and any table notes shall be placed below the table body.
- Each figure shall have a caption below it. The captions shall be supplied separately, not attached to the figure. The caption shall comprise of a brief title.
- Uniform lettering and sizing shall be followed.
- 'Times New Roman' font shall be used with following font sizes: 16 point size for main title, 14 point size for subtitles, 12 point size for text body and 10 point size for table/figure captions.
- The page limit shall not exceed 10 pages.

## 3. Peer Review

All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then typically sent to a minimum of two independent expert reviewers to assess the scientific quality of the paper. The editor is responsible for the final decision regarding acceptance or rejection of articles.