

# Hygiene Science Today



*A Journal of  
Reflective Practice  
Linking Hygiene to  
Health*

*A knowledge management tool  
in the hygiene sciences  
Stanier Institute/Institute Stanier*



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**Manuscript Submission Guidelines:** Welcome to the pre-issue of the inaugural journal of reflective practice in the hygiene sciences in Canada, *Hygiene Science Today* (HST). The goal of this publication is to focus on the sharing of both research and experiential knowledge of hygiene practitioners in Canada and around the world. A secondary goal is to serve as a forum for the systematic examination of a broad range of ideas, philosophies, voices, perspectives, and approaches to the practical elements of hygiene science today. We welcome and encourage your submissions. We can be contacted by email at [stanier@mco.ca](mailto:stanier@mco.ca) or by mail at: Hygiene Science Today, Stanier Institute, c/o MCO Business Group Inc., 11 Rosemount Ave., Suite 400, Ottawa ON K1Y 4R8, ATTN: Editor Hygiene Science Today.

**General articles and research manuscripts.** Manuscripts must be submitted by email to [stanier@mco.ca](mailto:stanier@mco.ca) to allow the editorial team to maintain an efficient submission and review process.

**Manuscript Criteria.** The fitness of a manuscript for publication in HST is carefully reviewed based on each of the dimensions listed below:

1. Significance/relevance to the practical application of hygiene sciences to professionals
2. Quality of Presentation
3. Content and Philosophical Consistency
4. Originality
5. Scientific Soundness
6. Interest to the Readership

Authors submitting to the journal should not simultaneously submit the manuscript to another journal, nor should the manuscript have been published elsewhere in substantially similar form or with substantially similar content.

**Typing.** The acceptable format for electronic submission is MS Word. All text, including title, headings, references, quotations, figure captions, and tables, must be typed, double-spaced, with one-inch margins all around. Please use a 12-point font (see website template).

**Length.** A manuscript, including all references, tables, and figures, should not exceed 10,000 words. Submissions exceeding this limit may not be accepted for review. Authors should keep tables and figures to a minimum and include them at the end of the text.

**Style.** For writing and editorial style, authors must follow guidelines in the *Publication Manual of the American Psychological Association* (5th edition, 2001). Authors should number all text pages.

**Abstract and keywords.** All manuscripts must include an abstract and a 5-10 keywords. Abstracts describing the essence of the manuscript must be 150 words or less.



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## OPENING LETTER FROM THE EDITOR

The diversity and complexity that exists in the various branches of hygiene science today is a testament to the “messiness and sophistication” of the problems that professionals working in the field must face. The ability to acquire knowledge and adapt to challenges is a critical competency of those working in public, environmental and occupational health. In addition, researchers who seek to enlighten practitioners about options for finding solutions to the daily rigors of professional practice, require accessible and affordable means to share knowledge.

With this in mind, the Stanier Institute / Institut Stanier ([www.stanier.ca](http://www.stanier.ca)), has developed a new tool to assist professionals in their desire to access timely and credible peer-reviewed information on issues related to hygiene science today, through the development of a new online journal. This journal seeks to improve the translation and synthesis of knowledge from academia to practitioners as well as from practitioners to academia and practitioners to researchers. It is a means to share insights, support decision-making, glean from the past experiences of others and promote effective and appropriate interventions in the field.

In order to achieve these lofty goals, the journal will be accessible from the Stanier Institute Website. As elucidated, the editorial team will be seeking contributions from the field and academia and will be evaluating submissions based on the following criteria:

1. Significance/relevance to the practical application of hygiene sciences to professionals
2. Quality of Presentation
3. Content and Philosophical Consistency
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6. Interest to the Readership

We encourage submissions of all types including: qualitative, quantitative, mixed method reviews, case studies, opinion articles, letters to the editor, novel findings, summaries of current knowledge and new directions in the field. These are all welcome additions to extend the knowledge base of current and future practitioners of hygiene science.

Within this pre-issue, our goal is to solicit submissions as well as highlight upcoming and recent work of the institute. Included in this issue are links to the unedited proceedings of the First International Symposium on “The role of the environment in the interface between microorganisms and humans Environmental organisms pathogenic for humans which was held in Saint Etienne, France. This provides a sample of the various, yet relevant, areas of hygiene science that are of interest to the readership of this journal.

Shawna Bourne-Shields, PhD Student, CPHI (C), Editor, Hygiene Science Today



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## OPENING LETTER FROM THE PRESIDENT FOR THE FIRST EDITION OF THE 'HYGIENE SCIENCE TODAY' JOURNAL IN THE FORM OF A PRE-ISSUE

The Stanier Institute / Institut Stanier ([www.stanier.ca](http://www.stanier.ca)) is named after Roger Stanier, the world renowned Canadian thinker and biological scientist whose exceptional insight led him to trace the adaptation of organisms from anoxygenic (anaerobic) to oxygenic (aerobic) life forms. The Institute encourages the pursuit of higher education and research in Hygiene Science. As science advanced, hygiene moved on to particular disciplines with the proviso that it had to become well acquainted with the physical, chemical, biological, social and environmental dangers to human health. In fact, the aspirations of hygiene are intended to be proactive more than reactive with prevention as the key element.

Hygiene will always be a vital area of activity and an important link to health of individuals and populations. The Institute has decided to produce a journal which provides a voice to explore the scientific criteria of hygiene but also makes use of broad analyses for visualizing the countering of existing and foreseeable problems. Through the theme of environment and health, the data of Hygiene Science requires a penetrating appraisal so that the essential common sense will prevail.

The 'Hygiene Science Today' journal invites articles or reports on all aspects of hygiene. These include regular articles on modern-day problems and resolutions involving hygiene and related public health giving precise evaluations, reports on laboratory studies or field studies and their influences or consequences, commentaries on controversial situations regarding the state of hygiene and related public health, well thought-out opinions affecting hygiene and public health concerns, novel ideas to improve hygiene and related public health, and any unusually-interesting stories about the practice of hygiene.

The journal will be more than pleased to receive your submissions because it is felt that these will provide an up-to-date view of the importance of the state and practice of hygiene and related public health.

With all best wishes to the journal and future contributors,

Morris Goldner, PhD, President, Stanier Institute / Institut Stanier.



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First International Symposium on  
“The role of the environment in the interface between microorganisms and humans”

**Environmental organisms pathogenic for humans**

April 13, 2007 – Saint Etienne (France)

**Dr Syed A. Sattar**, Centre for Research on Environmental Microbiology, University of Ottawa, Ontario, Canada

**“The changing influence of the environment on the fate and transmission of infectious agents”**

**Dr Marilyn Lee**, Ryerson University, Toronto, Ontario, Canada

**“Water and food as sources of infections”**

**Dr Harvey Artsob**, Zoonotic Diseases and Special Pathogens, National Microbiology Laboratory, Health Canada, Winnipeg, Manitoba, Canada

**“Influence of biodiversity and environmental factors on Zoonoses”**

**Dr Tom Edge**, National Water Research Institute, Environment Canada, Burlington, Ontario, Canada

**“Occurrence of waterborne pathogens at bathing beaches”**

**Dr Jean-Francois HUMBERT**, INRA de Thonon-les-Bains et Institut Pasteur de Paris, France

**“Impact of the environment on toxin production by cyanobacteria in freshwater ecosystems”**

These and other presentations offered by the Stanier at previous symposia can be accessed at [http://stanier.ca/symposia\\_e.htm](http://stanier.ca/symposia_e.htm)

