



PROSPECTUS

Canadian Young Scientist Journal

ABOUT THE JOURNAL

The *Canadian Young Scientist Journal* is a unique, peer-reviewed scientific publication entirely dedicated to original high-school and undergraduate student research. It attracts independent thinkers and introduces them to the professional and academic communities.

Since 2008, our non-profit organization has provided students with an opportunity to publish innovative ideas in various science and engineering fields.

PURPOSE

The Journal is a great source of student motivation and enrichment of high school curricula. It is released semiannually; hard copies are distributed to every secondary school in Canada. Electronically it is available worldwide. The Journal has become a major point of interest for the best and the brightest students and teachers in Canada and around the world.

GOALS

Canadian Young Scientist Journal sees its goals in:

- Fostering a new generation of innovative thinkers - sparking interest in science and engineering careers among young people.
- Offering young talents a unique platform to present and discuss their ideas with their peers and with the national and international academic communities.
- Stimulating and supporting research-based education in Canada.

Editor-in-Chief, Executive Director

Dr. Alexandre (Sacha) Noukhovitch is an educator, international risk management consultant and mediator, and LEAD International Fellow who is passionate about the future generation of engineers and scientists. He brings a wealth of expertise in various disciplines ranging from nuclear power generation to government regulation of brain-drain and public education.

Editorial and Peer Review Structure

All manuscripts submitted to the *Canadian Young Scientist Journal* are subjected to a two-level peer review process.

Initially academic papers are considered by the International Student Editorial Board (ISEB). Its editors analyse submissions and collect multiple opinions on the quality of research ideas and work from across the board. ISEB forms a shortlist of the papers recommended for publication. For every selected article the ISEB appoints a member to work with the author/s and prepare an introduction of the author/s and their research as well as a translation of the abstract into French or English.

Papers selected by the ISEB go for PhD reviews. The PhD reviews are published along with the original research paper. The *Canadian Young Scientist Journal* steps aside from the traditional format of most peer-reviewed journals and openly publishes reviews along with the scientific papers. We believe that this format serves more than just the purpose of displaying scientific ideas and thoughts; the journal also functions as an educative resource.

Section Editors

Bioscience Review:

Dr. Dennis McCormac, Director of Platform Development with the Ontario Genomics Institute and the Centre for Applied Genomics at the Hospital for Sick Children.

Clinical Research & Medical Education Review:

Dr. Zain Kassam, Chief Gastroenterology Resident at McMaster University.

Mathematics Review:

Dr. Jacob Tsimmerman, Research Fellow and Professor at Department of Mathematics, Harvard University.

Computer Science Review:

Dr. Nicolas Grose, Senior R&D Engineer, Synopsys Inc. and Lecturer at the University of Montreal.

Chemistry Review:

Dr. Sergei Manzhos, Assistant Professor, Department of Mechanical Engineering, Faculty of Engineering, National University of Singapore.

Dr. Cynthia Morin, Postdoctoral researcher in the Inorganic Chemistry and Catalysis Group, University of Utrecht, Holland.

Dr. Yaser Dahman, Assistant Professor, Department of Chemical Engineering, Ryerson University.

Aerospace Review:

Dr. David Zingg, Professor, Director University of Toronto Institute for Aerospace Studies Canada Research Chair in Computational Aerodynamics.

Environmental Studies Review:

Susan Reed Tanaka, LEAD Canada, Manager - Engineering Department, Toronto Transit Commission.

Physics Review:

Dr. Valeri Kapoustine, Faculty of Science, University of Ontario Institute of Technology.

Dr. Bruno Hartmann, Max Planck Institute for Gravitational Physics, Perimeter Institute for Theoretical Physics.

International Student Editorial Board

The International Student Editorial Board (ISEB) is the only of its kind in the world.

It unites young intellectuals who dedicate their time and energy to selecting and reviewing articles from all over the world. ISEB members collectively decide which manuscripts are selected for PhD review and future publication in the *Canadian Young Scientist Journal*.

The ISEB represents the vanguard of the future cohort of scientists and researchers.



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