

International Council of Associations for Science Education

_

Science Education International

The Online Journal of the International Council of Associations for Science Education

Volume 20 * Number 1 * December 2009

ISSN: 2077-2327

SCIENCE EDUCATION INTERNATIONAL

DECEMBER 2009

Volume 20 - Issue 1/2

Prof. Dr. Jack Holbrook President

> **Dr. Bulent Cavas** Editor

ISSN: 2077-2327

Science Education International (SEI) is published by International Council of Associations for Science Education (ICASE)



President: Prof.Dr.Jack Holbrook, *Estonia* Editor: Dr.Bulent Cavas, *Turkey*

Editorial Board

Jack Holbrook, *Estonia* Miia Rannikmae, *Estonia* Janchai Yingprayoon, *Thailand* Peter Russo, *Australia* Ben Akpan, *Nigeria* Gabriela Inigo, *Argentina* Azian Abdullah, *Malaysia* Norman Lederman, *USA* Beverley Cooper, *New Zealand* Ken Roy, *USA* Declan Kennedy, *Ireland* Robin Groves, *USA* Ian Milne, *New Zeland* Bulent Cavas, *Turkey*

Science Education International (SEI) is published by International Council of Associations for Science Education (ICASE).

<u>Contact person for SEI</u> Dr. Bulent Cavas <u>bulentcavas@gmail.com</u>, <u>bulent.cavas@deu.edu.tr</u>

http://www.icaseonline.net/sei

ISSN: 2077-2327

SCIENCE EDUCATION INTERNATIONAL Volume 20, No.1/2, December 2009

Contents

Editorial Jack Holbrook, Bulent Cavas	4
Environmental literacy comparison between eco-schools and ordinary schools in Slovenia	Ę
Dušan Krnel, Stanka Naglič	
Secondary School Science Classrooms	
Helen Ngozi ibe	
Identifying Chemistry Teachers' Beliefs Katrin Vaino	
Meeting Challenges to Sustainable Development through Science and Technol Education	logy
Jack Holbrook	
Strengthening Peace Building through Science and Technology Education Joseph G.M. Massaquoi.	60
Turkish Students' Views on Environmental Challenges with respect to Gender Analysis of ROSE Data	r: An
Bulent Cavas, Pinar Cavas, Ceren Tekkaya, Jale Cakiroglu, Teoman Kesercioglu	69



International Council of Associations for Science Education

Supporting and promoting science education internationally

Editorial

Science Education International, the official journal of ICASE, is now on-line. After 19 years as a printed journal in hard copy, it became clear from the falling circulation and difficulties in reaching the target audience that a new strategy was needed.

The target audience remains officials of science teacher associations, science societies and those who are involved in continuous professional education in science, or science subjects for primary and secondary school teachers. Nevertheless, it is expected the journal will be of interest to Masters and PhD students in science education and others interested in developments in the field of science education.

Originally the journal was intended to bring the gap between research in science education on the one hand, and material directly useful for classroom practice on the other. Initially it had sub-sections linked to the philosophy of education, curriculum development, classroom practice, teacher education, assessment and non-formal and informal education. It was not always possible to include articles in all these areas and in particular, assessment proved one area of difficulty. But slowly the journal moved more towards research, as authors became more and more University staff.

This on-line journal, in trying to reach out to the original intended audience, seeks a cross-section of authors. Although the journal will be refereed and the articles balanced from a worldwide perspective, it will also strive for more practicing teacher sharing of experiences, where the focus of the articles is "what experienced practitioners say to the science teacher." At the same time the journal will also reserve a place for articles related to "what research says to the science teacher."

We hope this focus gives the journal a particular unique orientation, which is neither a fully fledged research journal, nor a copy of the national journal, or bulletin of many national science teacher associations, As such ICASE hopes the journal will cater to a wide audience and that the online version will find favour among the ICASE member organisations in both developed and developing countries.

May we end this editorial by encouraging STAs and other member organisations to use this journal to share experiences and to make others aware of developments in other regions of the world. The success of the journal depends on this.

Jack Holbrook, ICASE President Bulent Cavas, ICASE Online Journal

Submission to the journal can be made to: http://www.icaseonline.net/sei