

ISSN 1308-7711

**ENERGY EDUCATION SCIENCE AND
TECHNOLOGY, PART B**
Social and Educational Studies



Volume 7. Issue 1
January 2015



SILA SCIENCE

ENERGY EDUCATION SCIENCE & TECHNOLOGY, PART B

Social and Educational Studies

An International Journal

Editor-in-Chief

PROFESSOR A. DEMIRBAS
Sila Science, University Mahallesi, Bilisim Sok No 24
Trabzon, TURKEY

Editorial Assistant M. BALAT

Editorial Board

ASSOCIATE PROFESSOR A. ARISTOVNIK
University of Ljubljana, Ljubljana, SLOVENYA

PROFESSOR B.V. BABU
Department of Chemical Engineering, Birla Institute of Technology and Science
Pilani 333031(Rajasthan), INDIA

M. BALAT
Sila Science, University Mah Mekan Sok No 24, Trabzon, TURKEY

PROFESSOR P. KALAČ
University of South Bohemia, Faculty České Budějovice, CZECH REPUBLIC

PROFESSOR M. M. KUCUK
YY University, Educational Faculty, Van, TURKEY

Publishing Office: SILA SCIENCE, Universite Mahallesi, Bilişim Sok. No: 24, Trabzon, Turkey.

Frequency: Energy Education Science & Technology Part B (ISSN 1308-7711) is published 4 times per year.

Aims and scope: Energy Education Science & Technology Part B is dedicated to detailed and comprehensive investigations and appropriate reviews of the interdisciplinary aspects of energy education, chemical education, physical education, mathematical education, biological education, science and education, environmental education, health science and education, all social educational topics, social and behavioral sciences, and political and economic studies.

Publication information: Please address all your requests regarding orders and subscription queries to: A. Demirbas. Email: ayhandemirbas@hotmail.com, demirbas2002tr@yahoo.com or ayhan.demirbas@hotmail.com

ENERGY EDUCATION SCIENCE & TECHNOLOGY, PART B

Social and Educational Studies

ISSN 1308-7711

Notes and Instructions to Contributors

Submission of Papers

Manuscripts for publication may be sent to the Editor-in-Chief or a member of the Editorial Board. Manuscripts can also be sent to any member of the Editorial Board (see inside front cover for addresses). Although this journal is international in scope, all articles must be in the English language. Potential contributors whose first language is not English are urged to have their manuscript competently edited prior to submission. Papers should be written in the third person in an objective, formal and impersonal style. Manuscript should be sent to the Editor-in-Chief, Professor Ayhan Demirbas. E-mail: ayhandemirbas@hotmail.com or <http://www.silascience.com>. The authors propose three reviewers including their e-mail addresses.

Manuscript Preparation

General: Manuscripts must be typewritten, double-spaced with page margins (each margin 2.5 cm) on one side of white paper with one column. Good quality printouts with a font size of 12 pt are required. The corresponding author, tel. and fax numbers should be identified (include an E-mail address). Full postal addresses must be given for all co-authors.

Abstracts: Each manuscript must be included a brief abstract and a short list of keywords (For example: **Keywords:** Education; Child; Playing; Nutrition).

Text: Follow this order when typing manuscripts: Title, Authors, Affiliations, Abstract, Keywords, Introduction, Main text, Conclusion, Acknowledgements, Appendix, References, Vitae and Figure Captions followed by the Figures and Tables. Pages should be numbered consecutively. The corresponding author should be identified with an asterisk and footnote.

Formulas and Equations: Each formulas and equations must be written with computer equations tools. They not be shown in picture formats as jpeg, png and other formats.

Symbols and Units: All Greek letters and unusual symbols should be identified by name in the margin, the first time they are used. SI units should be used wherever possible, as recommended in ISO 1000 and BS 5555.

References: All publications cited in the text should be presented in a list of references following the text of the manuscript. In the text refer to references by a number in square brackets on the line (i.e. In the earlier work [1]), and the full reference should be given in a numerical list at the end of the paper.

For papers:

[1] Ayas A, Demirbas A. Secondary students' conceptions of introductory chemistry concepts in Turkey. *J Chem Educ* 1997;74:518-521.

For books:

[2] Driver R, Squires A, Rushworth P, Wood-Robinson V. *Making Sense of Secondary Science: Research into Children's Ideas* (2ndEd.), Routledge, London, 1994.

For conferences, symposiums, scientific activities:

[3] Tsagliotis N. Hands-on Science Activities for the Teaching and Learning of Mechanical Energy with 6th Grade Primary School Children in Greece. *Hands-on Science: Science in a changing Education*, University of Crete campus at Rethymno, Greece, July 13-16, 2005.

For theses:

[4] Man MF. Student's Use of Formal and Informal Knowledge About Energy and The Human Body. Ph.D. Dissertation, Curtin University of Technology, 2003.

Illustrations: All illustrations should be provided in camera-ready for m, suitable for reproduction (which may include reduction) without retouching. Photographs, charts and diagrams are all to be referred to as "Fig(s)" and should be numbered consecutively in the order to which they are referred. They should be accompany the manuscript, but should not be included within the text.

Tables: Tables should be numbered consecutively and given a suitable caption and each table typed on a separate sheet. Footnotes to tables should be typed below the table and should be referred to by superscript lowercase letters.

Referees: Please submit, with the manuscript, the names, addresses and e-mail addresses of 3 potential referees. These referees should be internationally renowned experts in the field, and should not be from the same institute or ideally the same country as the authors of the manuscript. Note that the editor retains the sole right to decide whether or not the suggested reviewers are used.

Proofs: Proofs will send to the author and should be returned 72 hours of receipt. Corrections should be restricted to typesetting errors; any others may be charged to the author. Any queries should be answered in full.

Reprints: The authors should pay USD 20 per page (approximately 400-500 words) for printing fee and other costs. PDF files of papers will be supplied free of charge by e-mail.

Copyright: Papers are considered for publication on the understanding that they have not been submitted to any other publisher. With the exception of review papers, the work described must be original and, generally speaking, not previously published. Authors who wish to reproduce illustrations that have been published elsewhere must obtain the permission of the copyright holder.

Annual subscription price: USD 1100

WEB SITE: <http://www.silascience.com>

E-mail addresses: ayhandemirbas@hotmail.com, demirbas2002tr@yahoo.com,
ayhan.demirbas@hotmail.com or **contact@silascience.com**

Volume (issue) 7(1)
January 2015

CONTENTS

Determinants on research productivity: A Malaysian case study in a public university	1-16
<i>A. Jusoh, C. S. Long, A. A. Senin, N. M. Salleh, M. S. Ramli</i>	
Design and implementation of a PV laboratory for engineering students	17-30
<i>J. A. Hernández, C. L. Trujillo, F. Santamaría</i>	
Construction of network education platform of ideological and political in college	31-38
<i>H-M. Li, G-J Li, Z-M. Feng</i>	
The examination of narcissistic personality tendencies in terms of some variables of primary school students	39-46
<i>N. Inci</i>	
Psychological indices of social safety of educational environment	47-54
<i>P. Kislyakov, E. Shmeleva, L. Maltseva, N. Priyatkina, O. Silaeva</i>	
Research and improvement of ordered multisignature algorithm in random oracle model	55-68
<i>Y. Tang</i>	
What is Social entrepreneurship?	69-76
<i>K. Ismail, M. H. Sohel, M. Shamsuddoha, W. Z. bin Wan Omar</i>	
Moderating effects of substitutes for leadership on leadership styles and followers' outcomes	77-88
<i>W. K. Wan Ismail, S. Z. Abdul Rasid, G. Hussain</i>	