CONTENTS, VOLUME 5, 2004

Title and author	Issue	Pages		
EDITORIAL Securing a future for CERP G. Tsaparlis	3	209-212		
Invited Special Section: CONTRIBUTIONS OF EDUCATIONAL RESEARCH TO THE PRACTICE OF CHEMISTRY EDUCATION				
EDITORIAL Has educational research made any difference to chemistry teaching? <i>G. Tsaparlis</i>	1	3-4		
Securing a future for chemical education J.K. Gilbert, R. Justi, J.H.Van Driel, O. De Jong, & D.F. Treagust	1	5-14		
What research tells us about using analogies to teach chemistry <i>M. Orgill & G. Bodner</i>	1	15-32		
Preface to the Special Section G. Tsaparlis	3	213-214		
Pedagogical content knowledge as a way forward: Applied research in chemistry education <i>R. Bucat</i>	3	215-228		
The future shape of chemistry education <i>P. Mahaffy</i>	3	229-245		
The laboratory in chemistry education: Thirty years of experience with developments, implementation, and research <i>A. Hofstein</i>	3	247-264		

STANDARD SECTION (REVIEWED CONTRIBUTIONS)

RESEARCH REPORTS				
Analogies in chemistry teaching as a means of attainment of cognitive and affective objectives: A longitudinal study in a naturalistic setting, using analogies with a strong social content <i>P. Sarantopoulos & G. Tsaparlis</i>	1	33-50		
Group discussions as a tool for investigating students' concepts <i>H. Eybe & HJ. Schmidt</i>	3	265-280		
Changes in concentration and in partial pressure in chemical equilibria: Students' and teachers' misunderstandings J. Quilez	3	281-300		
Can final examinations amplify students' misconceptions in chemistry? T.L. Nahum, A. Hofstein, R. Mamlok-Naaman, & N. Bar-Dov	3	301-325		
THE PRACTICE OF CHEMISTRY EDUCATION: PAPERS				
L' équation de réaction: Un nœud d'obstacles difficilement franchissable A. Laugier & A. Dumon	1	51-68		
A historical approach to the development of chemical equilibrium through the evolution of the affinity concept: Some educational suggestions J. Quilez	1	69-87		
The chemical equation: A cluster of problems which are difficult to overcome A. Laugier & A. Dumon	3	327-342		
Theme Issue: CHEMISTRY AND ENVIRONMENTAL EDUCATION (Guest Editors : Uri ZOLLER & Michael SCOULLOS)				
EDITORIAL				
Chemistry and environmental education <i>U. Zoller</i>	2	95-97		
RESEARCH REPORTS (EMPIRICAL STUDIES)				
The influence of computer-assisted education on environmental knowledge and environmental awareness <i>İ. Morgil, S. Arda, N. Seçken, S. Yavuz, & Ö. Özyalçin Oskay</i>	2	99-110		

Learning beyond school: Establishing a laboratory for sustainable education M. Schallies & Claudia Eysel	2	111-126
Using a field trip to a wetland as a guide for conceptual understanding in environmental education – A case study of a pre-service teacher's research <i>R.T. Tal</i>	2	127-142
An interdisciplinary model for teaching the topic "foods": A contribution to modern chemical education <i>A. Mavropoulos, M. Roulia, and A.L. Petrou</i>	2	143-155
Development of cognitive conducts during a computer simulated environmental analysis M.L. Eichler, J.C. Del Pino, & L.Da C. Fagundes	2	157-174
HOCS-promoting assessment of students' performance on environment-related undergraduate chemistry A. Lubezky, Y.J. Dori, and U. Zoller	2	175-184
THE PRACTICE OF CHEMISTRY EDUCATION		
The methodological framework of the development of the educational package "Water in the Mediterranean" M. Scoullos, A. Alampei, & V. Malotidi	2	185-206
NEWS AND ANNOUNCEMENTS	1	89-91
	3	343-347
REVIEWERS, VOLUME 5, 2004	3	348
CONTENTS, VOLUME 5, 2004	3	349-351
AUTHOR INDEX, VOLUME 5, 2004	3	352-354
SUBJECT INDEX, VOLUME 5, 2004	3	355-357