

Themed Issue on

**EXPERIMENTS AND THE LABORATORY
IN CHEMISTRY EDUCATION**

Scheduled for publication in April 2007

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CALL FOR PAPERS

Contributions are invited for a themed, peer-reviewed issue of CERP on

Experiments and the laboratory in chemistry education

The contributions will be of two kinds:

- (a) *research-based papers;*
- (b) *effective practice-oriented* papers.*

Possible subjects for contributions include:

- Learning chemistry in the school laboratory (conditions for effective learning, learning in and from the chemistry laboratory, social interaction).
- Students' attitude towards and interest in chemistry laboratory work.
- Students' perceptions of the chemistry laboratory learning environment.
- Assessing students' performance, progress and achievement using different modes of presentations in the chemistry laboratory (written evidence, practical examination(s), continuous assessment, development and implementation of assessment tools).
- Matching goals for learning with laboratory practice.
- Incorporating inquiry technologies in the laboratory.
- Simulation and the laboratory.
- The role and effectiveness of demonstrations of chemical experiments.
- Teacher education and professional development in connection with laboratory instruction.

Papers could refer to one or more of the elementary, secondary (high) school or university levels. The list is intended to suggest the scope of possible contributions, but it is not exclusive.

* Please note that papers that describe innovative laboratory experiments or demonstrations without providing some evidence about their actual effectiveness on learning and/or student motivation and interest (this is what is meant by 'effective practice') will not be given consideration.

- **Submissions of manuscripts** (in the format required by the journal – see guidelines on the journal homepage at <http://www.rsc.org/Education/CERP/guidelines.asp>) or enquiries concerning the suitability of possible contributions should be sent directly by e-mail to: **Avi Hofstein**, The Weizmann Institute of Science, Department of Science Teaching, Israel, avi.hofstein@weizmann.ac.il . Please copy your correspondence also to cerp@rsc.org .
- **IMPORTANT DATES:** Submission of manuscripts by: **October 31, 2006**. Potential contributions will be subject to the journal's usual peer-review process. Where revisions are required, these must be submitted by **February 15, 2007**.