
UPDATED ABSTRACT: INSTRUCTIONS TO AUTHORS

An updated abstract (maximum 1 page) is required for each presentation if the submitted abstract has to be modified. Submit an updated abstract for your presentation no later than September 30, 2004 to env-abstract@AASci.org.

Content. Because of the size of the program (NUMBER OF PLATFORM SESSIONS AND NUMBER OF POSTER PRESENTATIONS), participants are expected to use the abstracts to select which presentations they wish to attend. Consequently, your updated abstract should provide a short but accurate preview of the main points of your presentation. The title and author list on the updated abstract will be used for the Final Program.

Review your initial submitted abstract and consider what developments have emerged that will need to be revised in the updated abstract and the poster presentation. Revise the title if needed to more accurately portray the subject matter of the presentation. Specify the scale of the project and the contaminants being addressed. Mention the types of data that will be presented and how the results are significant to your study and perhaps even other studies. Discuss any unresolved questions or unusual circumstances surrounding your research.

Abstract Format. Abstracts are to be prepared using standard PC-based MS Word software. Abstracts must be in English and cannot exceed one page. Use a 12-point serif font (e.g. Times New Roman) and leave 1-inch (2.5-cm) margins left, right, top, and bottom. Center the title (maximum 12 words, all-caps, bold type) at the top of the page. Leave a blank line before beginning the author list, which also is to be centered. If several authors are from one organization, save space and make the list easier to read by grouping authors so that the organization need be typed only once. After each author or group of authors, use parentheses to enclose their affiliation - employer (first level only - omit division, department, etc.), city, state/province (if applicable) and country. ***Bold and italicize the name of the corresponding/presenting author.*** Leave a blank line after the authors and then begin the text, typing it single-spaced and justifying only the left margin. Leave one blank line between paragraphs; do not indent paragraphs. Abstracts should be written in a letter-only manner. Do not use sub-title, figure, table and any non-letter content. Remove citation list, special symbol, header and footer.

ABSTRACT EXAMPLE

A NEW REFUTATION OF THE CLASSICAL CONCEPT OF TIME IN QUANTUM RELATIVITY

Albert Einstein and *Kurt Gödel* (Princeton University, Princeton, NJ, USA)
P. A. M. Dirac (Cambridge University, Cambridge, London, UK)

Coupled abiotic and biotic reactions were investigated for the mineralization of 2,4,6-trinitrotoluene, TNT. Modified Fenton reactions (with Fe(III) catalyst) were used as a chemical pretreatment of TNT prior to biological mineralization of the Fenton degradation products by unclassified activated sludge cultures. Using a hydrogen peroxide concentration of 0.9%, a Fe(III) concentration of 13 mM, and biomass added 12 hours after initiation of the abiotic reaction, the observed extent of mineralization with the coupled abiotic/biotic system, 81%, was approximately 7% greater than with the abiotic, Fenton system alone. Results of this study showed that, if properly optimized, the use of a coupled abiotic/biotic system may be a viable alternative for the treatment of waters and soils containing TNT.