

**Analytical Chemistry Division. Commission on Radiochemistry and Nuclear Techniques—Nomenclature for Isotope, Nuclear, and Radioanalytical Techniques**

<[http://www.iupac.org/reports/provisional/abstract01/karol\\_310801.html](http://www.iupac.org/reports/provisional/abstract01/karol_310801.html)>

The IUPAC Commission on Radiochemistry and Nuclear Techniques has compiled a glossary on nomenclature for isotope, nuclear, and radioanalytical techniques. The entries in this document originated in two ways. They have either been defined in recent IUPAC sources or, being absent in those sources, are nevertheless thought to be necessary in what would be a com-

prehensive glossary. The glossary contains more than one thousand terms. Approximately half of these have appeared in none of the previous sources. This situation indicates, at least to a degree, the vitality of developments in the application of nuclear methods to problems of chemical analysis. The intended audience includes experts, novices, occasional users, and developers of potential new techniques or applications.

Comments by 31 August 2001 to Prof. Paul J. Karol, Chemistry Department, Carnegie-Mellon University, 4400 Fifth Avenue, Pittsburgh, Pennsylvania 15213, USA. Tel.: +1-412-268-3142, Fax: +1-412-268-6945, E-mail: [pk03@andrew.cmu.edu](mailto:pk03@andrew.cmu.edu).

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## *New Books and Publications*

### New Book from The Royal Society of Chemistry

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**Principles and Practices of Method Validation.** Edited by A. Fajgelj and Á. Ambrus. Hardcover, 2000, x + pp. 1–305. ISBN 0-85404-783-2, GBP 59.50.

This book contains lectures presented at the International Workshop on Principles and Practices of Method Validation, held 4–6 November 1999 in Budapest, Hungary (see report by Dr. Aleš Fajgelj and Dr. Árpád Ambrus in *CI*, Vol. 22, No. 3, pp. 71–73, 2000). The International Association of Official Analytical Chemists (AOAC International), Food and Agriculture Organization (FAO), International Atomic Energy Agency (IAEA), IUPAC, and the Plant Health and Soil Conservation Station of Budapest cooperated in the organization of this event.

*Principles and Practices of Method Validation* is an overview of the most recent approaches used for method validation in cases where a large number of analytes are determined from a single aliquot and where a large number of samples are to be analyzed. Much of the content relates to the validation of new methods for pesticide residue analysis in foodstuffs and water, but the principles can be applied to similar fields of analysis.

Different chromatographic methods are discussed, including estimation of various effects (e.g., matrix-induced effects and the influence of equipment setup). Methods used for routine purposes and validation of analytical data in the research and development environment are documented.

Legislation covering the EU Guidance on residue analytical methods, an extensive review of existing in-house method validation documentation, and guidelines for single-laboratory validation of analytical methods for trace-level concentrations of organic chemicals are also included. With contributions from ex-

perts in the field, any practicing analyst dealing with method validation will find the examples presented in this book to be a useful source of technical information.

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