Contents

China GBW Reference Materials Pan Xiu Rong and Zhao Min	1
How to Use Matrix Certified Reference Materials? Examples of Materials Produced by IRMM's Reference Materials Unit J. Pauwels	31
Proper Use of Reference Materials for Elemental Speciation Studies K. Okamoto and J. Yoshinaga	46
NIST Standard Reference Materials for Measurement Assurance - Practices, Issues, And Perspectives T. E. Gills	57
Intended Use of the IAEA Reference Materials - Part I: Examples on Reference Materials for the Determination of Radionuclides or Trace Elements A. Fajgelj, Z. Radecki, K. I. Burns, J. Moreno Bermudez, P. P. De Regge, P. R. Danesi, R. Bojanowski, and J. LaRosa	65
Intended Use of the IAEA Reference Materials - Part II: Examples on Reference Materials Certified for Stable Isotope Composition M. Gröning, K. Fröhlich, P. De Regge, and P.R. Danesi	81
Case Study: Certification of Biological Reference Materials in the Czech Republic M. Suchánek and P. Mader	93
Certification of Method-Defined Parameters in Matrix-CRMs: The Preparation and Use of Coal Reference Materials A. M. H. van der Veen	100
Gaseous Reference Materials - A Challenge in Preparation and Stability M. Hedrich and HJ. Heine	115
Uses of Matrix Reference Materials H. F. Steger	127

The Selection and Use of Reference Materials: Some Examples Produced by LGC R. Walker	143
Are We Clear on the Function of Matrix Reference Materials in the Measurement Process? P. De Bièvre	169
Uses of Certified Reference Materials: The ISO Guide 33 E. Deák	176
Overview on the Activities at ISO/REMCO H. Klich	188
Addresses of Authors	197
Subject Index	201