

# Appreciation to top contributors

On the occasion of the 50<sup>th</sup> anniversary celebration of

## RADIOCHIMICA ACTA

the Publisher and the Editors of the Journal  
have the honour to present

### GOLDEN JUBILEE AWARDS

to the following persons for their outstanding lifetime contributions  
to the Journal in their respective research areas:

#### **Prof. Dr. Dr. h.c. mult. Syed M. Qaim**

(Forschungszentrum Jülich GmbH and Universität zu Köln, Germany)  
Research areas: Fundamental nuclear chemistry, nuclear data for  
applications, accelerator production of medical radionuclides

#### **Prof. Dr. Jae-II Kim**

(Forschungszentrum Karlsruhe and Technische Universität München,  
Germany)  
Research areas: Activation studies, fundamental chemistry of actinides,  
migration of actinides and fission products in the geosphere

#### **Prof. Dr. Gregory R. Choppin**

(Florida State University, Tallahassee, Florida, USA)  
Research areas: Fundamental chemistry of actinides, nuclear fuel cycle,  
humics and radionuclide migration



Furthermore, it is a pleasure to present a

## TESTIMONIAL OF APPRECIATION

to

### **Professor Dr. Heino Nitsche**

(University of California, Berkeley, and Lawrence Berkeley National  
Laboratory, Berkeley, California, USA)

for his contribution (with Late Prof. Dr. R.J. Silva) entitled:

*“Actinide environmental chemistry”,*

published in *Radiochimica Acta* **70/71**, 377–396 (1995)

which has received the highest number of citations to date.

The Publisher

The Editors

München, Germany, 15 July 2012



## Preface

The journal *Radiochimica Acta* was founded in 1962. Today in 2012, the Editors, Advisors and the Publisher have the privilege and pleasure to celebrate its 50<sup>th</sup> birthday. To mark the occasion, among several festivities, a special issue has been prepared.

This Golden Jubilee Issue consists of three parts, each dealing with some special aspects. Under **General Aspects**, a brief history of *Radiochimica Acta* is given, and appreciation is expressed to a few top contributors to the journal. The quality assurance in the nuclear sector is also discussed. Under **Historical Aspects**, several items are included, *e.g.* excerpts from publications of four Nobel Laureates and a description of all Nobel Prize winners in radiochemistry. Furthermore, reports on the development of radiochemistry in a few countries outside Europe and North America, namely China, India, Japan and Pakistan are presented. The part dealing with **Technical Aspects** is rather extensive and encompasses semi-popular type review articles on four modern areas of radiochemistry, *viz.* fundamental nuclear studies, dealing mainly with superheavy elements; medical applications; radioanalytical methods; and nuclear-energy related problems. An article depicting the increasing significance of nanotechnology in nuclear energy chemistry is also included.

The Editor thanks all authors and referees for their strong support and cooperation in the preparation of this special issue. It is hoped that the readership of *Radiochimica Acta* will find the general and historical articles as interesting, and the technical reviews as timely, informative and useful.

Syed M. Qaim

(Editor)

August/September 2012