

## Ksenija Kumrić

### Personal data

1. Name: **Ksenija**
2. Surname: **Kumrić**
3. Languages: Serbian and English
4. Profession: Scientist
5. Degree: PhD
6. Title: Research Assistant
7. Official address: Laboratory of Physics (010), Vinča Institute of Nuclear Sciences, P. O. Box 522, 11001 Belgrade, Serbia; phone: +381-11-244-7700 or 245-4965, fax: +381-11-244-7963, e-mail: [kkumric@vinca.rs](mailto:kkumric@vinca.rs)

### Education and training

1. Faculty of Physical Chemistry, University of Belgrade, Belgrade, Serbia, 1993-2001, BSc
2. Faculty of Physical Chemistry, University of Belgrade, Belgrade, Serbia, 2001-2006, MSc
3. Faculty of Physical Chemistry, University of Belgrade, Belgrade, Serbia, 2006-2010, PhD
4. Hôpitaux Universitaires de Genève, Unite Cyclotron, Département de radiology, Division de médecine nucléaire, Geneva, Switzerland, 2004, study stay

### Research activities

1. 2001-2003: Focused on the field of radiochemistry
  - Establishing of the production of  $^{14}\text{C}$ -labeled urea;
  - Responsibility for the production of the  $^{131}\text{I}$ -labeled radiopharmaceutical MIBG;
  - Hollow fiber membrane based separation processes applicable for the separation of radiolabeled compounds from free radioisotopes.
2. 2003-2009 and forth: Focused on the field of radiochemistry and analytical chemistry
  - Establishing of the production of radiopharmaceutical  $^{18}\text{F}$ [FDG];
  - Hollow fiber membrane based separation processes applicable for the separation of  $^{177}\text{Lu}$ -radiolabeled compounds from free  $^{177}\text{Lu}$  radioisotope;
  - Voltammetric determination of metal ions in water solutions;
  - Membrane microextraction as a sample preparation method.

### Memberships

1. Member of the Society of Physical Chemists of Serbia, Belgrade, Serbia

### Scientific publications

1. 7 articles in refereed international journals
2. 22 contributions at international conferences
3. 4 other publications

### Up to ten most important publications

1. T. Trtić-Petrović, **K. Kumrić**, J. Đorđević, and G. Vladisavljević, *Extraction of lutetium(III) from aqueous solutions by employing a single fibre-supported liquid membrane*, Journal of Separation Science 33 (2010) 2002-2009.

2. T. Trtić-Petrović, J. Đorđević, N. Dujaković, **K. Kumrić**, T. Vasiljević, and M. Laušević, *Determination of selected pesticides in environmental water by employing liquid-phase microextraction and liquid chromatography–tandem mass spectrometry*, *Analytical and Bioanalytical Chemistry* 397 (2010) 2233-2243.
3. **K. Kumrić**, T. Trtić-Petrović, Lj. Ignjatović, and J. J. Čomor, *Indirect determination of lutetium by differential pulse anodic stripping voltammetry at a hanging mercury drop electrode*, *Central European Journal of Chemistry* 6 (2008) 65-69.
4. **K. Kumrić**, T. Trtić-Petrović, E. Koumarianou, S. Archimandritis, and J. J. Čomor, *Supported liquid membrane extraction of  $^{177}\text{Lu}(\text{III})$  with DEHPA and its application for purification of  $^{177}\text{Lu}$ -DOTA-lanreotide*, *Separation and Purification Technology* 51 (2006) 310-317.
5. T. Trtić-Petrović, G. Vladisavljević, M. Tešić, **K. Kumrić**, and J. J. Čomor, *Analysis of concentration boundary layer in thallium (III) extraction with butyl acetate using membrane modules of different length*, *Desalination* 148 (2002) 241-246.
6. **K.R. Kumrić**, M.D. Tešić, T.M. Trtić, and J.J. Čomor, *Extraction of  $^{99\text{m}}\text{Tc}$  in a hollow fiber pertractor*, *Journal of Labelled Compounds and Radiopharmaceuticals* 44 (2001) S660-S662.