

## CURRICULUM VITAE

Date 1.1.2019

### PERSONAL INFORMATION

Name

**KOIVULA, RISTO TAPIO**

E-mail

**risto.koivula@helsinki.fi, <http://www.helsinki.fi/tuhat/>**

### EDUCATION

Date

19.6.2012

Title of qualification awarded

Title of Docent, Radiochemistry

Name of organisation

University of Helsinki, Finland

Date

19.9.2003

Title of qualification awarded

Doctor of Philosophy, Radiochemistry Thesis Title: 'Inorganic ion exchangers for decontamination of radioactive wastes generated by the nuclear power plants', grade ecla, Courses mainly on surface, material and radiochemistry

Name of organisation

University of Helsinki, Finland

Date

31.5.1996

Title of qualification awarded

Master of Science, Radiochemistry

Name of organisation

University of Helsinki, Finland

### WORK EXPERIENCE

• Dates

SEPTEMBER 2003 ONWARDS

- Name and address of employer
- Occupation or position held
- Main activities and responsibilities

University of Helsinki, A.I.Virtasen aukio 1, P.O.Box 55, 00014 University of Helsinki, Finland  
University Researcher (2012-), Vise Radiation Safety Officer (2007-)  
Ion exchange research group leader 2016 onwards  
Research on 'Development and testing of novel inorganic ion exchangers'  
Teaching and supervision of the graduate students  
Radiation safety and the responsibility from the use of radioactivity in the laboratory

• Dates

1999-2002

- Name and address of employer
- Occupation or position held
- Main activities and responsibilities

University of Helsinki, A.I.Virtasen aukio 1, P.O.Box 55, 00014 University of Helsinki, Finland  
Junior Researcher, Co-ordinator of 'Development of selective inorganic ion exchnager' Tekes - project  
Development and testing of novel inorganic ion exchangers

• Dates

JULY 1998-DECEMBER 1998

- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

Institute for Technical Chemistry, Water and Geo Technology division, Forschungszentrum Karlsruhe, Germany  
Research and development  
Visiting Scientist  
Studies on metal speciation and their uptake on organic ion exchangers

• Dates

JUNE 1996-AUGUST 1999

- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

University of Helsinki, A.I.Virtasen aukio 1, P.O.Box 55, 00014 University of Helsinki, Finland  
Research and development  
Junior Researcher, Assistant co-ordinator of BriteEuram EU-project  
Ion exchange and speciation studies of metallurgical waste solutions, co-ordination tasks of the project

### CURRICULUM VITAE RISTO KOIVULA

#### EXPERIENCE IN LEADERSHIP SUPERVISION OF STUDENTS

In these project I'm the principal investigator (PI) and since 2016 I have lead a research team of 6 to 12 persons from which two are post doctoral researchers (PhD Wenzhong Zhang, PhD Junhua Xu), four post graduate students (MSc. Valtteri Suorsa, MSc Elmo Wiikinkoski, MSc Satu Meriläinen, MSc Johanna Paajanen) and others are mostly master and bachelor students..

In this relation I have been the PI (2016-) for two European Training Network projects (EREAN and REDMUD)

I have supervised >15 master students and >25 bachelor students and examined Master thesis from different faculties and universities in Finland.

#### TEACHING SKILLS AND COMPETENCES

Basic studies of University pedagogy, 25 credit point, 18.5.2015

I'm the principal lectures on Chemistry of the nuclear fuel cycle (5 cp) and shared principal lecturer in Radiochemistry course (5 cp). shared principal lecturer in Isotope technique course (4 cp) held in the Faculty of Agriculture and Forestry where I have totally reorganized the lecture course. I'm the licenced examiner (by Finnish radiation and nuclear safety authority) of the Radiation safety officer certificate.

#### OTHER SCIENTIFIC OR ACADEMIC MERITS AND ACTIVITIES

External reviewer and member of jury in PhD. defense in KU Leuven, Belgium (Dr Avdibegovic, D., 5/2018)

Evaluation of project proposals for National Science Foundation (USA).

I am a referee for several international scientific journals: Water Research, Chemical engineering, Separation Science and Technology, Electrochimica Acta, Journal of Hazardous Materials, Hydrometallurgy, Colloids and Surfaces A: Physicochemicals and Engineering Aspects.

I have participated organizing scientific conferences and symposia:

Coordinator and secretary of NRC9-9<sup>th</sup> International Conference on Nuclear and Radiochemistry 2016 (EuCheMS conference series)

Coordinator of Marie Curie seminar (2011) and member of organizing committee on national Tserbonyl symposia 2006

I have been invited speaker at two international conferences (Nato Security through Science 'Combined and Hybrid Adsorbents' 2005 Ukraine, and 3<sup>rd</sup> seminar of R&D on Advanced ORIENT 2009 Japan).

#### IMPACT OF RESEARCH

Total number of publications is 56: 32 in category A1 (Articles in refereed international scientific journals), 13 in category A4 (Articles in refereed scientific conference proceedings), 5 in category B (Scientific conferences proceedings and international edited volumes) and 7 in category H (Patents and Invention declarations).