

LIST OF PROJECTS 2012 - 2013

ANNEX 1

| Nr | Project title | Acronym | Romanian responsible researcher | Name of Romanian Institution | Slovenian responsible researcher | Name of Slovenian Institution |
|----|--|------------|---------------------------------|---|----------------------------------|--|
| 1 | Simulation and control techniques for robots used in minimally invasive surgery | SIMCOSURG | Calin Vaida | Technical University of Cluj-Napoca | Aleš Hace | University of Maribor, Faculty of Electrical Engineering and Computer Science |
| 2 | Metal-oxide nanostructures for water treatment | MONWAT | Daniela Berger | University Politehnica of Bucharest, Faculty of Applied Chemistry and Materials Science | Matjaž Valant | University of Nova Gorica, Materials Research Laboratory Vipavska 11c, 5270 Ajdovscina |
| 3 | Advanced oxidation processes for removal of hazardous pollutants from landfill leachate | APOLLO | Erika-Andreea Level | INCDO INOE2000 -Research Institute for Analytical Instrumentation, Romania (ICIA) | Andreja Žgajnar Gotvajn | University of Ljubljana, Faculty of Chemistry and Chemical Technology |
| 4 | Dielectrophoresis as a tool for manipulation and characterization of electroporated cells | SLDEP | Mihaela G. Moisescu | Carol Davila Medical University | Tadej Kotnik | University of Ljubljana, Faculty of Electrical Engineering |
| 5 | Functionalization of synthetic polymers for development of new antimicrobial packaging | FPSNewPack | Cornelia Vasile | "Petru Poni" Institute of Macromolecular Chemistry | Lidija Fras-Zemljič | University of Maribor, Faculty of Mechanical Engineering |
| 6 | In vitro studies on biological activities of some compounds from traditional Slovenian and Romanian red grapes | BIOGRAPE | Gabriela Bahrim | Dunarea de Jos University of Galati | Avrelija Cencič | University of Maribor, Faculty of Medicine |
| 7 | Effect of thermal treatment on bioactive compounds from different Romanian and Slovenian juices and jams | BIOTHEMAL | Gabriela Rapeanu | Dunarea de Jos University of Galati | Nataša Poklar Ulrih | Biotechnical Faculty, University of Ljubljana, Slovenia |
| 8 | Innovative design of new biologically active peptide systems with specific properties | BIOSIS | Adina Elena Segneanu | NIR&D for Electrochemistry and Condensed Matter Timisoara | Andrej Petrič | University of Ljubljana, Faculty of Chemistry and Chemical Technology |
| 9 | Dielectric spectroscopy and tunability of low-temperature processed complex perovskites | DISTUNAB | Liliana Mitoseriu | Alexandru Ioan Cuza University IASI | Barbara Malič | Jožef Stefan Institute, Ljubljana |

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| Nr | Project title | Acronym | Romanian responsible researcher | Name of Romanian Institution | Slovenian responsible researcher | Name of Slovenian Institution |
|----|--|------------|---------------------------------|--|----------------------------------|--|
| 10 | Solution processing of thin films for transparent electronics | TRANS | Mariuca Gartner | Ilie Murgulescu Institute of Physical Chemistry of Romanian Academy | Marija Kosec | Jožef Stefan Institute, Ljubljana |
| 11 | Liquid scintillation methods for determination of H-3 and C-14 in environmental samples | TRICARNENV | Carmen Varlam | National Research and Development Institute for Cryogenics and Isotopic Technologies - ICSI Rm. Valcea | Jasmina Kožar Logar | Jožef Stefan Institute, Ljubljana |
| 12 | Political Culture in Slovenia and Romania: state of field, developments, perspectives | SLOORO | Gabriel Badescu | Babes-Bolyai University | Matevž Tomšič | School of Advanced Social Studies in Nova Gorica |
| 13 | Topological and variational methods in the interface between geometry and nonlinear analysis | MTV-ID-GAN | Radu Purice | Institute of Mathematics "Simion Stoilow" of the Romanian Academy | Dušan Repovš | INSTITUTE OF MATHEMATICS, PHYSICS AND MECHANICS, Ljubljana |
| 14 | INTEGRATION OF METROLOGICAL PRINCIPLES TO ENVIRONMENTAL ANALYSIS | METROMED | Marin Senila | INCDO INOE 2000, Research Institute for Analytical Instrumentation Cluj-Napoca | Andreja Droic | National Institute of Chemistry, Ljubljana |
| 15 | Hydrogen interaction with W/Be films relevant for fusion reactors | HWBEREF | Cristian P. Lungu | National Institute for Laser, Plasma and Radiation Physics, Magurele-Bucharest | Vincenc Nemanic | Jožef Stefan Institute, Ljubljana |
| 16 | Predicting protein structure and dynamics using THz spectroscopy and molecular modeling | THzPred | Dan Florin Mihailescu | University of Bucharest | Franci Merzel | National Institute of Chemistry, Ljubljana |