 



**2ND NANOMED WORKSHOP**

**ADSORBENTS FOR REMOVAL OF HEAVY METALS.**

**CHARACTERISATION, PERSONAL CARE AND WATER TREATMENT**

**SCIENTIFIC PROGRAM**

**BUDAPEST, 4 December 2018**

**Venue**: Budapest University of Technology and Economics

Műegyetem rkp. 3., Budapest, Hungary

Building K, 1st floor, Room 95

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WEB: <http://www.nanomed-project.eu>

8:30 **Registration**

9:00 **Opening remarks**

Prof. János Levendovszky Vice rector of science and innovation, BME

9:20 **Enterosorption in the treatment of heavy metal poisoning**

Prof. Sergey Mikhalovsky, ANAMAD Ltd. UK, Technologika, Kiev, Ukraine

10:00 **Methods for enzyme and protein immobilization - Metal ions in play**

Prof. László Poppe, BME, Budapest, Hungary

10:40 **Coffee break**

11:20 **Activated carbons in treatment of acute radiation sickness: achievements and prospects**

Dr. Elisaveta Snezhkova, National Academy of Sciences of Ukraine, Kiev, Ukraine

12:00 **Applicaton of liquid state NMR for characterization of porous materials**

Prof. István Bányai, University of Debrecen, Debrecen, Hungary

12:40 **Lunch break**

13:30 **Application of pectin and its compositions for heavy metals removal**

Dr. Kostiantyn Kozlov, Technologica, Kiev, Ukraine

14:10 **Poly(amino acid) derivatives and hydrogels for biomedical application**

Benjámin Gyarmati PhD, BME, Budapest, Hungary

14:50 **Coffee break**

15:20 **Flexibility in nanoporous solids upon adsorption**

Joaquin Silvestre PhD, University of Alicante, Alicante, Spain

16:00 **Carbon aerogels**

Prof. Krisztina László BME, Budapest, Hungary

16:40-17:15 **Forum of young researchers**

**Applications of graphene oxide in wastewater treatment**

Dominika Behunova, Institute of Geotechnics SAS, Košice, Slovakia

George Gallios, Aristotle University of Thessaloniki, Thessaloniki, Greece

Miroslava Vaclavikova, Institute of Geotechnics SAS, Košice, Slovakia

**Macroporous cryogel composites for removal of heavy metals from aqueous and biological media**

Alzhan Baimenov Nazarbayev University, Astana, Kazakhstan