

Laudation

Dear distinguished Guests, Board of Judges, dear Friends,

It's now my personal pleasure to give the laudation to the Winner of Gran Prize 2018 and his team, prof. Dr. Peter Mizsey, head of the research project of novel, innovative method for removal and reuse of organic halogen compounds from process wastewater: an industrial example of circular economy.

The emission of organic halogen compounds into the environment causes serious and irreversible damage. The University of Miskolc, the Budapest University of Technology and Economics and the EGIS Pharmaceuticals PLC started together the research a decade before the European Union Environment Technology Verification (ETV) program. As a results, they developed and successfully implemented a novel, innovative method. The method is capable to remove the organic halogen compounds from process wastewaters enabling them to be discharged. This novel, innovative method can prepare the polluting organic halogen compounds in a concentrated form so that these materials can be reused. The method is a unique one and it contributes to the implementation of the principles of the circular economy. The technical and economic efficiencies of the patented process has been proven and acknowledged by international jury and independent experts.

Before going into researchers CV-s and contributions in more detail, I would like to give you some background on the evaluation criteria of the AWARD. During selection the Board of Judges takes into consideration seven aspects, like

- Novelty (innovation, original idea)
- Social responsibility
- Sustainable thinking
- Environmental care
- Economic potential
- Technological aspect
- Interdisciplinary approach

The Board this year selected two strong scientific projects without any doubt, given both satisfy all criteria of the AWARD.

The Board of Judges shortlisted 5 applications , Professor Mizsey and his team have shown that it is possible to achieve huge result with being concerned with environment.

Dr. Peter Mizsey works as a full professor for the University of Miskolc and the Budapest University. From 2006 to 2016 he was the head of Department of Chemical and Environmental Process Engineering. From 2017 he is the head of Department of Fine Chemicals and Environmental Technology at University of Miskolc.

His field of education and research is chemical unit operations, environmental processes engineering and process control. He is member of European Academy of Sciences and Arts. A few of his major achievements and awards: MOL Scientific Award, 2004 MTA Varga József Prize and Medal, 2011; KÖVET Organization Eco-design Award, BME Pro Progressio Innovation Award, Budapest Water Summit - Professional Award, IChemE (Institution of Chemical Engineers) Global Award, Vitális Sándor Award and Swedish Chamber of Commerce Gran Prize.

Prof. Dr. Jozsef Manczinger, professor emeritus was trainee at Budapest University of Technology and Economics, Faculty of Chemical Engineering, Department of Chemical Unit Operation from 1957. Between 1982 and 1994 he was the head of Department of Chemical Unit Operation. Between 1988 and 1993 he was vice-dean in scientific affairs of Faculty of Chemical Engineering. From 1996 he worked as retired full professor. He was awarded the MTA Varga József Prize in 1996. In November 2016 he was awarded the BME Pro Progressio Innovation Award. He passed away on December 31, 2016 at the age of 84.

Dr. András József Tóth, senior lecturer has been working at the Budapest University of Technology and Economics (BME) since 2011 in various positions. From 2016 he is assistant professor and laboratory head. He received PhD degree in 2015 in BME. His field of education and research is chemical unit operations and technical chemistry. He is expert of National Accreditation Authority - European Union Environmental Technology Verification (EU - ETV). During his work, he has received numerous awards: Lászlóffy Woldemár Award, Hungarian Chamber of Engineers – Environmental Engineering Award – 1st place, Greenovation Award, KÖVET Organization Eco-design Award, Soós Ernő Young Researcher Award, BME Pro Progressio Innovation Award, Budapest Water Summit - Professional Award, IChemE (Institution of Chemical Engineers) Global Award, BME Rector Praise, Vitális Sándor Award and Swedish Chamber of Commerce Gran Prize.

Gábor Réti, Director of the EGIS Pharmaceutical with special attention to environmental protection, finished his studies in 1985 on the Technical University of Budapest as a chemical engineer. Since then he has been working in the EGIS Pharmaceuticals Plc. He studied two post grad engineering degrees in pharmaceutical chemistry and in environmental protection. He worked more than twenty years in the API production areas in several positions as section leader, plant master and head of the environment protection affairs. Now he is the director of the EHS division in EGIS Plc highly motivated to complete environmental protection oriented innovations.

László Tölgyesi Chemical engineer at the EGIS. He actively participated in the construction of the novel, innovative method.

The project group 's intellectual journey has taken them to inventing this valuable method.

The development team presented outstanding commitment to provide a unique environmentally friendly solution to the industry. By awarding him and his development team with this award, the Swedish Chamber of Commerce in Hungary pays its deepest respect for this work.

I would like to thank you again on behalf of the Gran Prize Board of Judges ! Congratulations!

