

Magdalena Bendová, Ph.D.

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Dr. Magdalena Bendova studied physical chemistry at the University of Chemistry and Technology, Prague, where she obtained both her MSc. degree in 2000 and her PhD. degrees in 2003. She then joined the Institute of Chemical Process Fundamentals of the Czech Academy of Sciences. Originally interested in phase equilibria of multicomponent liquid mixtures of both molecular solvents and ionic liquids, her focus gradually shifted to thermophysical properties of ionic liquids in terms of their use in sustainable development, mainly in thermal storage. She continues to develop these research topics at the Department of Physical Chemistry of the University of Chemistry and Technology that she joined recently, focusing for instance on biobased ionic liquids that could be used as green solvents in biomass treatment and in their aqueous solutions.

A passionate researcher, Magdalena also loves to share her passion by popularising science and by supervising and mentoring students and young researchers to pass on her conviction that thermodynamics and solution chemistry are far from being obsolete. In 2014 she was awarded with the IUPAC Franzosini award that recognised her contribution to the work of the IUPAC Subcommittee on Solubility and Equilibrium Data of which she has been a member for more than 14 years now. She is also a member of the Working Party on Fluid Separations of the EFCE and has been a member of numerous organizing and scientific committees of conferences and congresses.