

Prof. C. Oliver Kappe's Biography

C. Oliver Kappe is Professor of Organic Chemistry and Director of the Christian Doppler Laboratory for Microwave Chemistry (CDLMC) at the University of Graz, Austria. He received his diploma- (1989) and his doctoral (1992) degrees in organic chemistry from the University of Graz where he worked with Professor Gert Kollenz on cycloaddition and rearrangement reactions of acylketenes. After periods of postdoctoral research work on reactive intermediates and matrix isolation spectroscopy with Professor Curt Wentrup at the University of Queensland in Brisbane, Australia (1993-1994) and on synthetic methodology/ alkaloid synthesis with Professor Albert Padwa at Emory University in Atlanta, USA (1994-1996), he moved back to the University of Graz in 1996 to start his independent academic career.



He obtained his "Habilitation" in 1998 in organic chemistry and was appointed Associate Professor in 1999. Since 2011 he holds the position of Professor of "Technology of Organic Synthesis" (Organische Synthesetechnologie) at the University of Graz. He has spent time as visiting scientist/professor at e.g. the Scripps Research Institute (La Jolla, USA, Professor K. Barry Sharpless, 2003), the Toyko Institute of Technology (Toyko, Japan, Professor T. Takahashi, 2008), the University of Sassari (Sassari, Italy, 2008), and the Sanford-Burnham Institute for Medical Research (Orlando, USA, 2010).

The co-author of ca. 250 publications, his main research interests have in the past focused on multicomponent reactions, combinatorial chemistry and the synthesis of biologically active heterocycles. More recently his research group has been involved with enabling technologies for synthetic chemistry, including microwave and continuous flow chemistry. During the last few years his lab has authored ~100 original research articles, reviews and book chapters on microwave-assisted synthesis. His latest book "*Practical Microwave Synthesis for Organic Chemists - Strategies, Instruments, and Protocols*" (coauthored with D. Dallinger and S. S. Murphree) was published with Wiley-VCH in 2009 and is currently considered one of the standard reference works in the field. For his "innovative work in microwave chemistry " he received the 2004 Prous Science Award from the European Federation for Medicinal Chemistry in addition to a number of other awards.

C. Oliver Kappe is currently Editor-in-Chief of the Journal of Flow Chemistry (Akadémiai Kiadó) and a member of the Flow Chemistry Society. He is also a board member of the International Society of Heterocyclic Chemistry and The Society of Combinatorial Sciences. In addition he has been an Editor of the Journal *QSAR and Combinatorial Sciences* (Wiley-VCH, 2003-2007) and has served/serves on the Editorial/Advisory Boards of the *Journal of Combinatorial Chemistry* (ACS), *Molecular Diversity* (Springer), *ChemMedChem* and *ChemSusChem* (Wiley-VCH), *Journal of Heterocyclic Chemistry* (Wiley-VCH) and a number of other journals.