DESCRIPTION

Reflecting the substantially increased interest in tautomerism, this book demonstrates the transformation of fundamental knowledge into novel concepts and the latest applications. Each chapter introduces the theoretical background, before reviewing and critically discussing the experimental techniques and corresponding applications. Special emphasis is placed on tautomerism under unusual conditions, such as in supramolecular solids and at surfaces, displaying the wide scope between basic research and timely applications.

ABOUT THE AUTHOR

Liudmil Antonov is Professor of Physical Organic and Organic Analytical Chemistry at Bulgarian Academy of Sciences. Having obtained MSc (1989) and PhD (1994) degrees from the University of Sofia, he spent one year at Tokyo Institute of Technology before taking an appointment at University of Forestry (UF) in Sofia. In 1998, he was appointed as youngest in Bulgaria Associated Professor in Analytical Chemistry and from 1999 to 2002 headed the Department of Chemistry UF. After stays at AIST (Japan, 2002, 2006) as JSPS Fellow and at Humboldt University of Berlin (2003-2004) as Alexander von Humboldt Fellow and work for European Commission as reviewer and panel member (Directorate General for Research, 2001-2005), he joined Bulgarian Academy of Sciences in 2007. He has authored more than 90 research papers, reviews and book chapters, being cited over 1500 times.