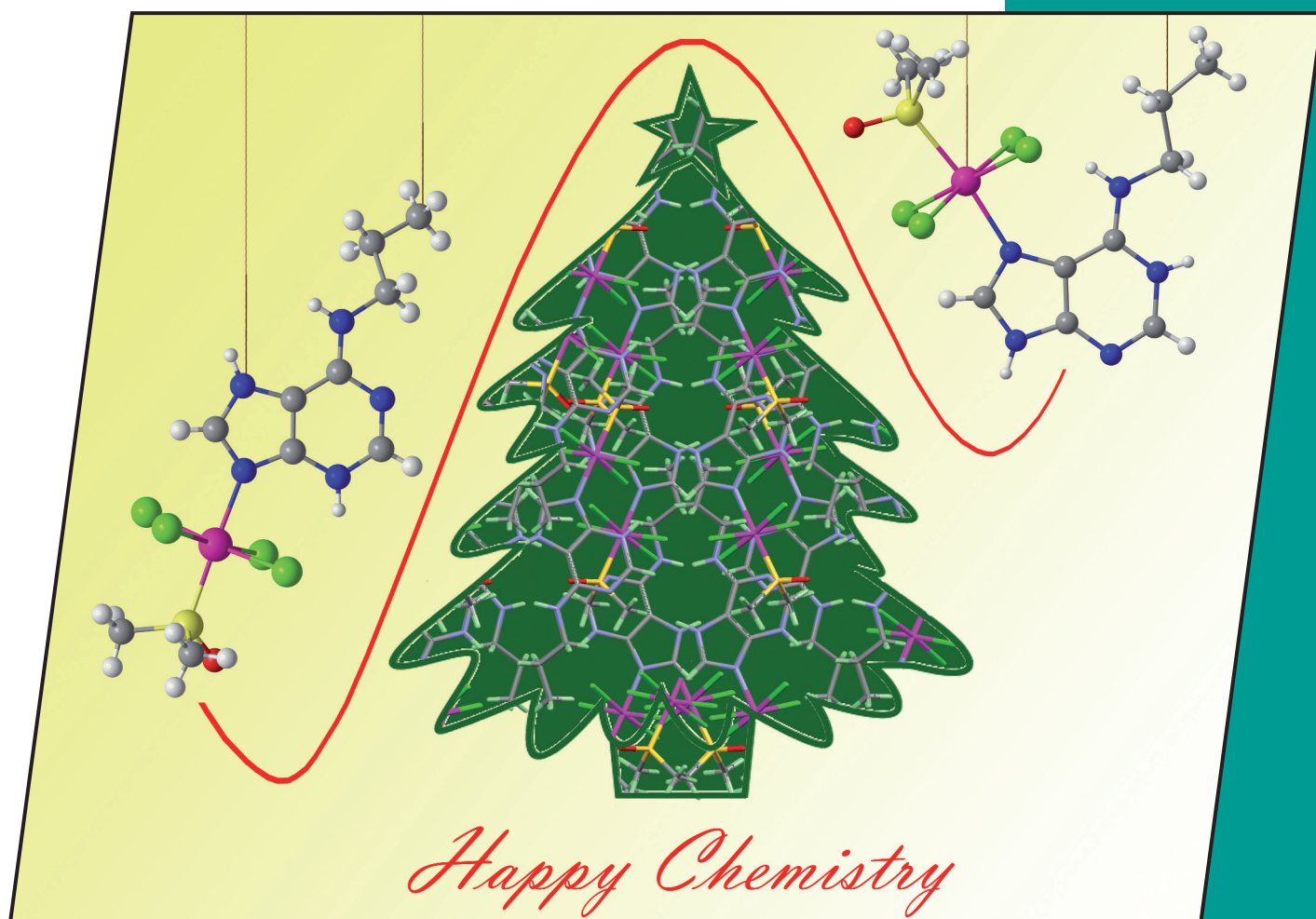


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Cover Picture

Angel García-Raso, Antonio Frontera et al.
New Iridium(III) Complexes with N⁶-Substituted Adenines

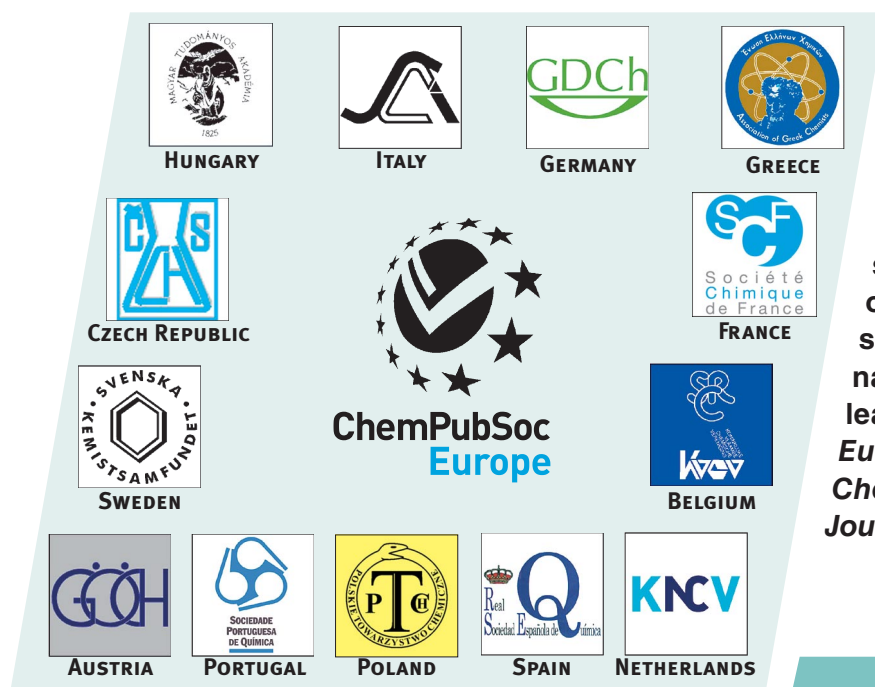
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Other ChemPubSoc Europe journals are *Chemistry – A European Journal*, *ChemBioChem*, *ChemPhysChem*, *ChemMedChem*, *ChemSusChem* and *ChemCatChem*.

COVER PICTURE

The cover picture shows two Ir^{III} complexes with adenine derivatives that have been synthesized and characterized by spectroscopic techniques and by single-crystal X-ray diffraction studies. The interaction of Ir^{III}-adenine complexes and plasmidic DNA pBR322 has been analyzed. In all cases, iridium shows an octahedral geometry and is coordinated to four chlorido ligands, dimethyl sulfoxide (DMSO-κCS) and an adenine derivative. Two different coordination modes for adenine are observed, one through the N⁷ (kinetic product, right side of the picture) and the other one through the N⁹ atom (thermodynamic product, left side of the picture). Both mechanisms, which yield the different coordination products, have been studied by means of theoretical DFT calculations. Details are discussed in the article by A. García-Raso, A. Frontera et al. on p. 5617ff. The Christmas tree, which symbolizes the activation energy, is decorated with the crystal structure of an Ir^{III}-adenine complex, where the iridium atoms represent the Christmas ball ornaments.

