



The EUChemSoc Societies have taken the significant step into the future by merging their traditional journals, to form two leading chemistry journals, the *European Journal of Inorganic Chemistry* and the *European Journal of Organic Chemistry*. Three further EUChemSoc Societies (Austria, Czech Republic and Sweden) are Associates of the two journals.

COVER PICTURE

The cover picture shows the design of molecular receptors with enzyme-like catalytic activity for the Michael addition of pyrrolidine to an α,β -unsaturated lactam. The picture emphasizes the design process of these receptors by using a draft-like style for the receptor structure. This design is based on a model for the transition state (represented as a high-quality 3-D model) that is obtained from theoretical study of the reaction mechanism. In the paper, we use both kinetic experiments and molecular modeling studies to assist the design of the H-bonding catalyst. From these studies we concluded that the presence of an auxiliary amine group could improve the catalytic activity of previous catalysts that resemble the oxyanion hole structure found in many enzymes. A simple modeling procedure is used to predict the catalytic activity of the tested catalyst, that in some cases shows $k_{\text{cat}}/k_{\text{uncat}}$ values close to the range of values observed for many catalytic antibodies. Details are discussed in the article by L. Simón et al. on p. 4821ff.

