

Editorial Foreword

The Journal of Mathematical Chemistry has entered a new millennium and also a new era: as a result of the arrangements made in the year 2000 between Baltzer Science Publishers and Kluwer Academic/Plenum Publishers, the Journal of Mathematical Chemistry has become a member of the Kluwer/Plenum family of journals. This change will have no effect on the editorial policies of the Journal, and we shall continue our efforts to disseminate high quality, timely scientific publications in the rapidly growing area of mathematical chemistry. Kluwer Academic/Plenum Publishers is one of the largest scientific publishing companies of the world, and we expect that the exceptional organizational structure of our new publisher will further enhance the distribution, scientific accessibility, and impact of the Journal of Mathematical Chemistry.

The new millennium also represents a new, increased awareness of the importance of precise, mathematical models in chemistry, and of the impact such models have in a wide variety of chemical applications, ranging from the fundamental, mathematical properties of quantum mechanical structure of molecules to highly applied fields of biochemical structure – activity correlations, leading, for example, to new advances in biotechnology. In this new era, mathematical chemistry will serve, directly or indirectly, an ever widening field of diverse chemical and related disciplines, and its benefits will be more appreciated by chemists and scientists in all fields.

Whereas the fundamental mathematical structure of the molecular world will remain the focal point of our journal, the connections with computational methods and emphasis on algorithmic approaches are also expected to grow in the new era. The idea “Better Computer Applications through Better Mathematics” is as valid as ever for mathematical chemistry, and the maxim “Better Computational Chemistry through Better Mathematical Chemistry” is among the principles our Journal of Mathematical Chemistry advocates.

Mathematical chemistry can be elegant, and mathematical chemistry can be useful. Most often it is both, and we are grateful to our authors, as well to our referees, whose contributions represent the most important component in our efforts to ensure high quality and relevance for the Journal of Mathematical Chemistry in the new Millennium of Science.

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Editor-in-chief