Editorial Foreword

This collection of papers is dedicated to Professor Frank Harary on the occasion of his 70th birthday. A special symposium was organized for this occasion by the Mathematical Chemistry Research Unit, University of Saskatchewan, 12–14 September 1991, on Applied Graph Theory and Discrete Mathematics in Chemistry. Many of the papers presented at this Symposium are included here, as well as other contributions from many diverse applications of discrete mathematics.

Professor Harary, the foremost pioneer of modern graph theory, had major impact on the rigorous and diversified applications of graph theory to chemistry, and his influence extended to many other branches of discrete mathematics and their applications to molecular problems.

His current works continue to provide insights and inspiration for generations of mathematical chemists, and this collection of papers is a testimony to the richness and power of the field he has opened up and developed into a major chapter of mathematics.

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