

INTERNATIONAL UNION OF PURE  
AND APPLIED CHEMISTRY

ORGANIC CHEMISTRY DIVISION

*in conjunction with*

UNIVERSITÀ DI PADOVA  
CONSIGLIO NAZIONALE DELLE RICERCHE  
SOCIETÀ CHIMICA ITALIANA

*Plenary and invited lectures presented at the*

**TWELFTH INTERNATIONAL CONFERENCE ON  
PHYSICAL ORGANIC CHEMISTRY**

*held in Padua, Italy  
28 August–2 September 1994*

*Conference Editor*

RUGGERO CURCI

Dipartimento di Chimica, Università di Bari, Via Amendola 173, 70126 Bari, Italy

**International Scientific Committee:** I. Beletskaya; J. F. Bunnett; A. D. Meijere; X. Jiang; I. Lee; G. Modena; F. Montanari; P. Müller; M. Oki; Z. Rappoport; M. F. Ruasse; C. J. M. Stirling; D. Sunko.

**Honour Committee:** E. Garaci; G. Muraro; R. Cipollini; J. Degani; C. Battistoni.

**National Organizing Committee:** *President:* G. Scorrano; *Secretary:* F. Di Furia; *Treasurer:* M. Prato; *Members:* E. Baciocchi; G. Bellucci; G. Capozzi; C. Dell'Erba; A. Dondoni; S. Fisichella; D. Landini; V. Lucchini; G. Melloni; F. Naso; G. Pagani; G. Seconi; D. Spinelli; M. Tiecco; P. Edgardo Todesco.

**Local Organizing Committee:** A. Bagno; M. Bonchio; S. Campestrini; E. Castiglione; V. Conte; M. Del Maschio; R. Fornasier; G. Licini; M. Maggini; F. Marcuzzi; U. Miotti; C. Paradisi; L. Pasquato; R. Salmaso; P. Scrimin; P. Tecilla; U. Tonellato.

## Preface

As the twelfth in a series of IUPAC international symposia devoted to Physical Organic Chemistry, a conference was organized in Padua, Italy in 1994.

Appropriately, the symposium activities were held on the premises of the old building (Palazzo del Bò) of the University of Padova. This university is one among the oldest in western civilization, celebrating at the date of the symposium its 772th academic year.

The 12th Conference in Padua attracted 415 active participants from 38 countries. The text of 7 plenary and of 15 session lectures, along with two special lectures are published in this issue. In addition to these lectures, 72 selected oral contributions were presented in parallel sessions and 233 posters accepted for display.

The opening and the closing articles in this Volume properly represent a tribute to the pioneering work and leading personality of C. K. Ingold and of L. Hammett. The outstanding contributions made to the discipline of Physical Organic Chemistry by these two famed scientists were indeed memorably outlined in the special lectures mentioned above.

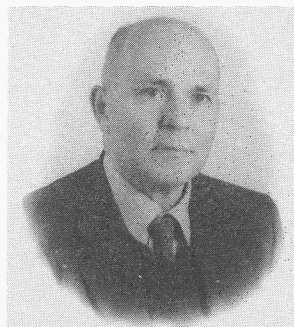
The remaining lecture texts collected in this Volume provide, in our view, a timely cross section of progress and trends in the discipline, with special focus on target molecules, supramolecular chemistry, computational methods, reactive intermediates, and advanced methods in studies on reaction mechanisms.

The articles collected herein witness that Physical Organic Chemistry still is a very fruitful area of studies and increasingly expanding toward interdisciplinary research.

During the Conference in Padova, it was honored the career of two distinguished scientists, namely professor Giorgio Modena (University of Padova) and professor Fernando Montanari (University of Milan), on the occasion of their 70th year of birth. This was in recognition of the many memorable contributions made by these two fine Italian scholars to the field of organic reaction mechanisms.



Giorgio Modena



Fernando Montanari

The Conference in Padua provided ample ground for the promotion of international collaboration and for informal discussions and exchange of ideas among participants; the benefits will surely surface at the next symposium. Under the continuing tradition of sponsorship and support by the IUPAC, the 13th Conference of the series will be held in Seoul, Korea in summer 1996, and it is eagerly awaited by all scientists in the field.

Ruggero Curci, *Symposium Editor*  
Gianfranco Scorrano, *Symposium Chairman*