



Preface



Preface to the special issue “Commemorative contributions for the 30 years of the Catalysis and Porous Materials Division of the Portuguese Chemical Society (SPQ)”

More than thirty years have passed since the beginning of the Division of Catalysis of the Portuguese Chemical Society (SPQ), in 2001 expanded to Division of Catalysis and Porous Materials, in order to reflect the application of porous materials in non-catalytic processes, such as adsorption. We are commemorating this milestone in the Chemistry field in Portugal and, to honor the History behind its creation, consolidation and continuous challenges, we projected this Special Issue, entitled “*Commemorative contributions for the 30 years of the Catalysis and Porous Materials Division of the Portuguese Chemical Society (SPQ)*”.

We selectively invited former Presidents of the Division to participate in the Special Issue, along with the many eminent scientists from all over the world who helped keeping this Division alive, and participated in the Division meetings held so far. Furthermore, we considered several selected contributions by young scientists who have received prizes during the years of the division and are active in the field.

This special issue of Catalysis Today is a compilation of 28 papers, either discussing original results or reviewing topics of high interest in the field of Catalysis and Porous Materials applications. It includes articles on the catalytic utilization of natural resources (5 papers), fine chemical synthesis (9 papers), environmental remediation/valorization (8 papers), cleaner energy production (3 papers), and fundamental mechanistic studies (3 papers), addressing all aspects of Catalysis, including homogeneous, heterogeneous or heterogenized homogeneous processes, including the development of porous materials research on both inorganic and organic frameworks. It covers various research topics whether the research approach is fundamental or applied: catalysis in unconventional media, flow reactions, bio-, electro-, photo- and

nanocatalysis, including mechanistic and computational studies, and on synthesis, characterization and applications of new catalytic materials.

Guest editors would like to thank all authors contributing to this issue, and the many reviewers called upon to offer constructive advice for the improvement of submissions. They extend their sincere thanks to Elsevier for the opportunity provided to compile such a special issue and thank the editorial staff of Catalysis Today for assistance at every stage in the preparation of this issue.

Mário J.F. Calvete*

Department of Chemistry, CQC-IMS, University of Coimbra, 3004-535, Portugal

Helder T. Gomes

Centro de Investigação de Montanha (CIMO) and Laboratório Associado para a Sustentabilidade e Tecnologia em Regiões de Montanha (SusTEC), Instituto Politécnico de Bragança, Campus de Santa Apolónia, 5300-253 Bragança, Portugal

José R.B. Gomes

CICECO-Aveiro Institute of Materials, Department of Chemistry, University of Aveiro, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal

Mário M.Q. Simões

LAQV-REQUIMTE, Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal

* Corresponding author.

E-mail address: mcalvete@qui.uc.pt (M.J.F. Calvete).

<https://doi.org/10.1016/j.cattod.2024.114543>

Available online 24 January 2024

0920-5861/© 2024 Elsevier B.V. All rights reserved.