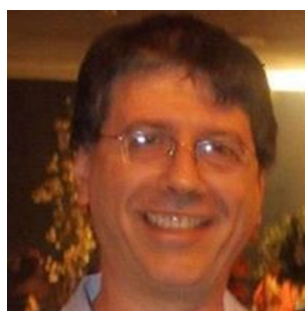


Special Chapter in the recent advancement in Brazil in the field of Thermal Analysis and Calorimetry



Guest Editor



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This compilation is based on the peer-reviewed and selected papers presented at X CBRATEC/IV CPANATEC.

Preface

Fernando L. Fertonani¹

It is my pleasure to present this Special Chapter of Journal of Thermal Analysis and Calorimetry (JTAC) from the X Brazilian and IV Panamerican Congress on Thermal Analysis and Calorimetry (X CBRATEC and VI CPANATEC). The compilation of thirty-two peer-reviewed papers is published in this Special Chapter.

The X CBRATEC and VI CPANATEC Congress was held in São Paulo, Brazil, April 17–20, 2016. The conference venue was: Hotel Braston São Paulo, a perfect hotel in the city center, where all participants were accommodated. This edition of X CBRATEC included over 200 presentations (including the posters) and more than 300 participants. A wide range of topics in thermal analysis and its applications were covered in nine sessions, including (a) Food, Pharmaceutical and Life Sciences; (b) Earth Sciences and Environment; (c) Kinetics and Catalysis; (d) Fossil fuels, biofuels and explosives; (e) Nanomaterials and biomaterials; (f) Inorganic chemistry, metallurgy and ceramics; (g) Organic chemicals, petrochemistry and

polymers; (h) Thermodynamics and calorimetry; (i) Education in thermal analysis and others.

The conference started with the plenary lecture from Prof. Jean Rouquerol about the history of thermal analysis from the last two centuries. Furthermore, six other plenary lectures were performed by Cheila G. Mothé, Brazil; Dirk Walter, Germany; Alfréd Kállay-Menyhárd, JTAC Editor-in-Chief, Hungary; Antonio Souza de Araujo, Brazil; János Madarász, Hungary; Julio César Llópiz Yurell, Cuba.

I would like to acknowledge Prof. Alfréd Kállay-Menyhárd (Editor-in-Chief), Sophie Korda, and the staff in JTAC for providing support to complete this Chapter. I appreciate the reviewers for their professional evaluation and dedication. And finally, I thank all the authors for their efforts and contributions.

It was decided that the XI CBRATEC will be held in the city of Rio de Janeiro, Brazil on April 22–24, 2018; venue: Hotel Golden Tulip Rio Copacabana.

Last but not least, let me take this opportunity to express my sincere thanks for all who have ever helped us during the work of organization, for the Sponsors whose financial help was essential and for all participants and accompanying persons who attended the X CBRATEC/IV CPANATEC.

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