



# Alternative adsorbent materials for application in industrial processes

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This special issue of Environmental Science and Pollution Research highlights selected papers presented at the 12th Adsorption Brazilian Meeting (EBA 2018), held on April 23–25, 2018, in Gramado–RS, Brazil. This is a traditional meeting that occurs since 1996, and it was realized for the first time at the Rio Grande do Sul state. The organization of EBA 12 was carried out by the Federal University of Santa Maria (UFSM) with help of Federal University of Rio Grande do Sul (UFRGS), Federal University of Rio Grande (FURG), and University of Passo Fundo (UPF).

Around 400 professionals and students from the scientific, academic, and industrial areas have participated from EBA 12, to discuss topics like nanoporous adsorbents, environmental applications, processes, biotechnology, modeling and simulation, fundamentals, and synthesis and characterization of adsorbents, petroleum, and natural gas. Important international researchers and speakers including Prof. Alírio Rodrigues (Portugal), Manuel Karim Sapag (Argentina), Jacques Desbrières (France), Ádrian Bonilla–Petriciolet (Mexico), and César Costapinto Santana (Brazil) have participated in EBA 12. The main attractions of EBA 12 were plenary conferences, keynotes, the traditional “Adsorption School,” oral and poster presentations. The

results were published in 313 articles, being the best papers selected for this special issue.

Finally, the main objectives of this meeting were attained as follows: the largest number of participants was reached and works of all editions were presented; an increase of the works in terms of quality and quantity was obtained. Therefore, the organizing committee of EBA 12 deeply thanks the Brazilian adsorption community, who came to Gramado to present the advances in their researches. We express our deep gratitude to all members of Organizing and Scientific Committees for their commitment, contribution, and time towards making the 12th Adsorption Brazilian Meeting a great success. We would like to extend our appreciation to contributing authors, reviewers, and Editorial Board of Environmental Science and Pollution Research for their excellent work in making this special issue possible.

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