Preface

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The Brazilian Symposium of Electrochemistry and Electroanalysis (SIBEE) is a well-known event that has taken place in Brazil every 2 years for more than 40 years. The event is designed to bring together members of the electrochemistry community in Brazil to present and discuss the most relevant works in different topics of electrochemistry and electroanalysis. The history of the SIBEE has been presented in previous editions of the *Journal Solid State Electrochemistry (JSSE)* [1, 2]. The opening ceremony of XXII SIBEE on 1 September 2019 started with the traditional inaugural event, followed by the first plenary talk by Dr. Carlos Alberto Martinez-Huitle, Federal University of Rio Grande do Norte, Brazil. Subsequent days featured the plenary lectures of Dr. Aicheng Chen, University of Guelph, Canada; Dr. Hubert H. Girault, École polytechnique fédérale de Lausanne, Switzerland; Dr. K. Boniface Kokoh, University of Poitiers, France; Dr. Julie V. Macpherson, University of Warwick, UK; Dr. Pawel J. Kulesza, University of Warsaw, Poland; Dr. Leigh Aldous, King's College, UK; and Dr. Thiago Regis Longo Cesar da Paixão, Chemistry Institute, University of São Paulo, Brazil.

The XXII SIBEE meeting brought together 558 participants including undergraduate students (101), graduate students (255), and researchers (202). The meeting hosted participants from different regions of Brazil, showing that electrochemistry is an important area of research and development throughout the country. The symposium was organized in seven different topics: (I) electroanalysis and electrochemical sensors; (II) environmental electrochemistry and electrochemical engineering; (III) electrochemistry of nanostructured

materials, electrochemical process and interfaces; (IV) fundamental electrochemistry, electrosynthesis and organic electrochemistry; (V) bioelectrochemistry, biosensors and bioelectroanalysis; (VI) energy, batteries, supercapacitors and fuel cells; and (VII) treatment, corrosion and protection of surfaces. A total of 456 abstracts were submitted, reflecting the main areas of research interest in Brazil: 30% of abstract submissions were in topic I, followed by 20% in topic VI and 12% in topic III.

On behalf of the organizing committee, we would like to thank all the invited speakers for the main lectures (8) and keynotes (32), session chairs (70), poster evaluators (50), and members of the scientific committee (35) who made the XXII SIBEE meeting possible.

This special issue of *JSSE* presents the proceedings of the XXII SIBEE in a collection of peer-reviewed manuscripts presented at the symposium. On behalf of the organizing committee, we thank the authors and the reviewers for their valuable suggestions and comments that helped to improve the manuscripts. We would also like to thank the editor-in-chief and managing editor of *JSSE* for their valuable help during the editing process.

Adalgisa R. de Andrade and Paulo Olivi, Guest Editors

References

1. Motheo AJ (2016) XX Brazilian Symposium of Electrochemistry and Electroanalysis (SIBEE – Simpósio Brasileiro de Eletroquímica e Eletroanalítica) at Uberlândia, Minas Gerais, Brazil. *J Solid Electrochem* 20:2387. <https://doi.org/10.1007/s10008-015-3059-5>
2. Martinez-Huitle CA (2018) XXI Brazilian symposium of electrochemistry and Electroanalysis (SIBEE – Simpósio Brasileiro de Eletroquímica e Eletroanalítica) at Natal, Rio Grande do Norte. Brazil *J Solid Electrochem* 22:1275–1276. <https://doi.org/10.1007/s10008-018-3938-7>

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