

## Special Issue

# Exploring the Mechanisms and Kinetics of Electrocatalytic Reactions

### Message from the Guest Editors

We are thrilled to announce an upcoming Special Issue dedicated to electrochemical research. This Special Issue will explore the intricacies of electrocatalytic reactions, shedding light on their mechanisms and kinetics. We welcome submissions that delve into the recent advances, challenges, new methods, and industrial potential of electrochemical reactions wherein the reaction rate defined by optimal electrocatalysts pushes the boundaries to achieve efficiency, sustainability, and innovation. The Special Issue's focus will be on all types of electrocatalysts that convert inorganic substrates into industrially relevant products. Thus, submissions regarding O<sub>2</sub> reduction, CO<sub>2</sub> reduction, N<sub>2</sub> reduction, H<sub>2</sub> oxidation, precipitation, and crystallization reactions of metal ions and metal salts are appreciated. The use of electrocatalysts in gas diffusion electrodes is encouraged. Join us in this enlightening voyage through the vibrant landscape of electrocatalysis. Whether you are a seasoned researcher, an industry professional, or an enthusiastic learner, this Special Issue promises to be a source of knowledge and inspiration for all.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2024)



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### Message from the Editor-in-Chief

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Prof. Dr. Keith Hohn  
Carl R. Ice College of Engineering, Kansas State University, Manhattan,  
KS, USA

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