



A Themed Issue in Honor of Professor Michel Armand on the Occasion of His 75th Birthday

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Message from the Guest Editors

This Special Issue is to celebrate the outstanding career of one of the most world-renowned experts in electrochemistry, Dr Michel Armand, on the occasion of his 75th anniversary. He is the father of many advances that led to the development of lithium-ion batteries, now considered a solution to switch from oil to green energy and limit global warming. Armand is at the origin of the concept: in the 1970s, Armand proposed the fabrication of a battery based on two different intercalation materials for both cathodes and anodes; this battery was named the rocking-chair battery (later the lithium-ion battery) due to the shuttle of ions from one electrode to another during the charge–discharge process. Then, he made major contributions to the three components of the batteries: the two electrodes and the electrolyte.

Contributions will outline recent developments related to the chemistries of lithium-ion and sodium-ion batteries, including cathode and anode materials, organic electrodes, solid-state electrolytes, solid polymers, and solvent-in-salt electrolytes and other chemistries, such as Li-S and Li-air batteries.





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Message from the Editor-in-Chief

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