

Special Issue

Battery Manufacturing: Current Status, Challenges, and Opportunities: 2nd Edition

Message from the Guest Editor

As an increasing number of battery (giga)factories continue to be constructed on a global scale, there is a growing interest in battery manufacturing processes, and this increase in battery manufacturing will pave the way for electrification in the future. A reliable, low-cost, best-performing, and secure value chain is envisioned for battery manufacturing processes by 2040 and beyond.

For this Special Issue, we are seeking contributions that address current challenges, with a particular focus on cell assembly and manufacturing methodologies with a chemistry-neutral approach, as well as the latest advances in battery materials that enable increases in large-scale battery performance, scaled-up cell manufacturing, smart manufacturing methodologies and/or novel battery machineries in lithium and post-lithium systems. Research on the use of Industry 4.0 tools in cell manufacturing, such as 3D printing, is also highly encouraged.

Guest Editor

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