

**Lucia Fagiolari** graduated cum laude and received her Ph.D. in Chemical Sciences from the University of Perugia, where she was involved in the synthesis and characterization of heterogeneous catalysts for water splitting applications. Currently, she works as post-doctoral researcher in the Electrochemistry Group at Politecnico di Torino. Her research concerns the development of potassium-based batteries and aqueous solar cells, focusing on sustainable preparation strategies of innovative electrodes and electrolytes. She is author of 12 peer-reviewed papers (*h*-index 7) and is member of the Italian Chemical Society since 2015.