

Dear Colleagues,

This Special Issue of *ChemEngineering*, entitled “Green and Environmentally Sustainable Chemical Processes”, will focus on the publication of original manuscripts and critical reviews aimed at advancing the application of the principles of green chemistry and green engineering to chemical processes performed both at industrial and laboratory scales. Manuscripts devoted, but not limited, to the preparation of organic, inorganic, ceramic, and glassy materials are warmly welcome.

Indeed, pursuing ever-more sustainable development requires chemistry and materials science disciplines to adopt procedures aimed at reducing their associated environmental impacts. However, the quantification of the environmental benefits of the proposed processes over the well-established ones is necessary in order to assess the effective green characteristics of the proposed approaches.

Particularly, the application of well-established green chemistry metrics, environmental sustainability metrics, and/or indicators, to prove and quantify the effective shift of the proposed process in the ecological transition direction, will be the main focus of this Special Issue, and particular attention will be given to contributions that demonstrate environmentally sustainable advancements with respect to current scenarios, technologies, and processes.

Manuscripts devoted to the proposition of new metrics and indicators will be considered as well.