



Green Tribology: New Insights toward a Sustainable World

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Message from the Guest Editors

Green tribology is an emerging and actual area of tribological science. It can be viewed as an interdisciplinary topic, which includes mainly classical tribology, chemical engineering, materials science, energy, green lubrication, and environmental sciences, with the purpose to improve the efficiency in processes (cleaner production) and machine components, by minimizing friction, wear, and, in general, dangerous pollution, in order to protect the environment and to improve the quality of life.

Therefore, the main goals of green tribology are the minimization of friction and wear, and the reduction in or complete elimination of lubrication, including self-lubrication (natural and biodegradable lubrication).

