

Green tribology

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Published October 2010

Special offer price for print issue: £47.50 (usual price: £58)



Tribology is the science and technology of interacting surfaces in relative motion, which involves friction, wear and lubrication. Green tribology is a new area of tribological research defined as the science and technology of the tribological aspects of ecological balance and of environmental and biological impacts.

This volume covers biomimetic approaches in tribology (the lotus and rose petal effects, self-healing, and self-lubricating surfaces), green lubrication, and the application of tribology to renewable energy sources.

The introduction, which is freely available to access, covers the principles of green tribology and research perspectives.

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