

Abstract Details

Title: Different cooling and lubricating technique with its environmental impact and hazard: a review

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Abstract: Cooling and lubrication are very important in machining process. In this paper lubricating and cooling technique during machine operation as well as the application of nanofluids in machining are presented. These cutting fluids are the source of many environmental and biological problems. Sustainable machining technique is important to eliminate the ill effects associated with the cutting fluids. The use of vegetable oil, compressed air, liquid nitrogen, or minimum quantity lubrication (MQL) as a cooling lubrication medium are some example of sustainable way for machining technique.