# Kinetics of Drop Breakage and Drop-Drop Coalescence in Turbulent Flow

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Emulsions are disperse systems in which one liquid is dispersed in the form of small droplets within another (immiscible) liquid. These droplets are with typical size range between several hundred nanometers and several millimetres. Many everyday consumer products are emulsions, such as many foods, pharmaceutical drugs and paints. Emulsions play also an important role in various technological processes, such as extraction and water purification from organic contaminants. The size of the dispersed drops in these systems is of crucial importance for their properties and for their efficiency upon application.

The following article, based on this talk, is published in the article section of this issue, see page 82.

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