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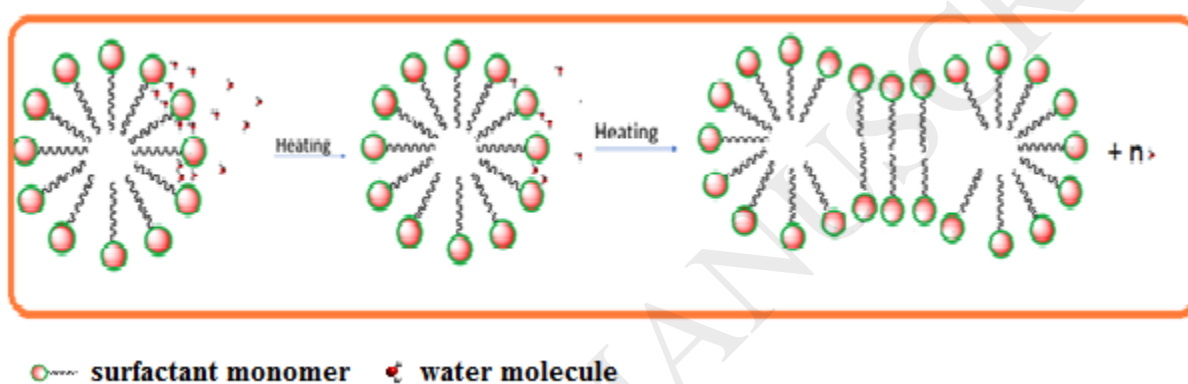
# Clouding Phenomenon in Amphiphilic Systems: A Review of Five Decades

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## Graphical Abstract



Heating brings head group dehydration and micelle coalescence

- CP depends on structure/concentration of the amphiphile and presence of additives.
- CP may be a disadvantage in pharmaceuticals as some amphiphilic drugs also show CP.
- Occurrence of may decrease the biological activity by increasing drug concentration.
- However, for compound extraction and soil remediation it is useful.

Phase separation in amphiphilic systems is an important phenomenon. The temperature at which an amphiphilic solution phase separates is known as Cloud Point (CP). This article reviews in detail the process of phase separation in various amphiphiles (surfactants,

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