

## **Hydrothermal Performance Enhancement in Different Types of Perforated Heat Sinks: a Review**

The revolution developments in electronics motivate researchers to enhance the heat transfer by providing efficient systems in limited space. An effective way to enhance the heat transfer is geometry modification which is the focus of this review article. One of the famous geometries to improve the heat transfer is perforated micro-channel heat sinks (PMCHS). Thus, the findings of related published articles are presented intensively in terms of heat transfer, fluid flow, methods, power consumption and energy management.