



University of Sciences and Technology  
of Oran, Algeria.

Material Physics and Fluids  
Laboratory –USTO-MB



***National Conference on Material Physics and Fluids (CPMF-2022)  
In the prestigious city of Oran (Algeria), On December 12 to 14, 2022.***

**Research areas: Fluid Mechanics : Two-phase flows  
Responsible: Pr. Abdelouahab Mohamed**

**Fluid Mechanics : Two-phase flows include:**

The theme focuses on the diphasic with the following axes:

The first axis will focus on **microfluidics**: The link with environmental issues such as gas flows in microsystems (micro-filters) and the impact of harmful nanoparticles on health (size, chemical composition, standards used by manufacturers ...).

The second axis concerns the **fall** of drops of liquid (Chlorobenzene, n-Butylphtalate etc.) or the **rise** of bubbles in a liquid.

The third axis will concern for example the **movement** and the **coalescence** of the **drops** of liquid in another immiscible liquid.