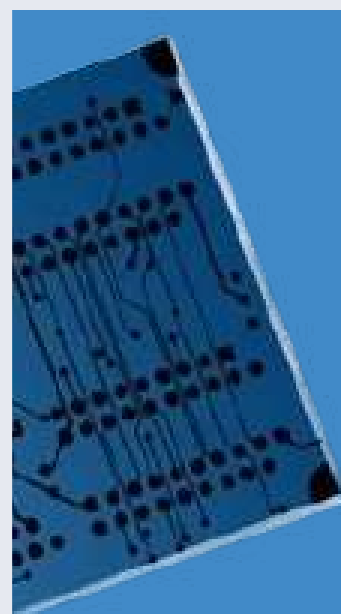
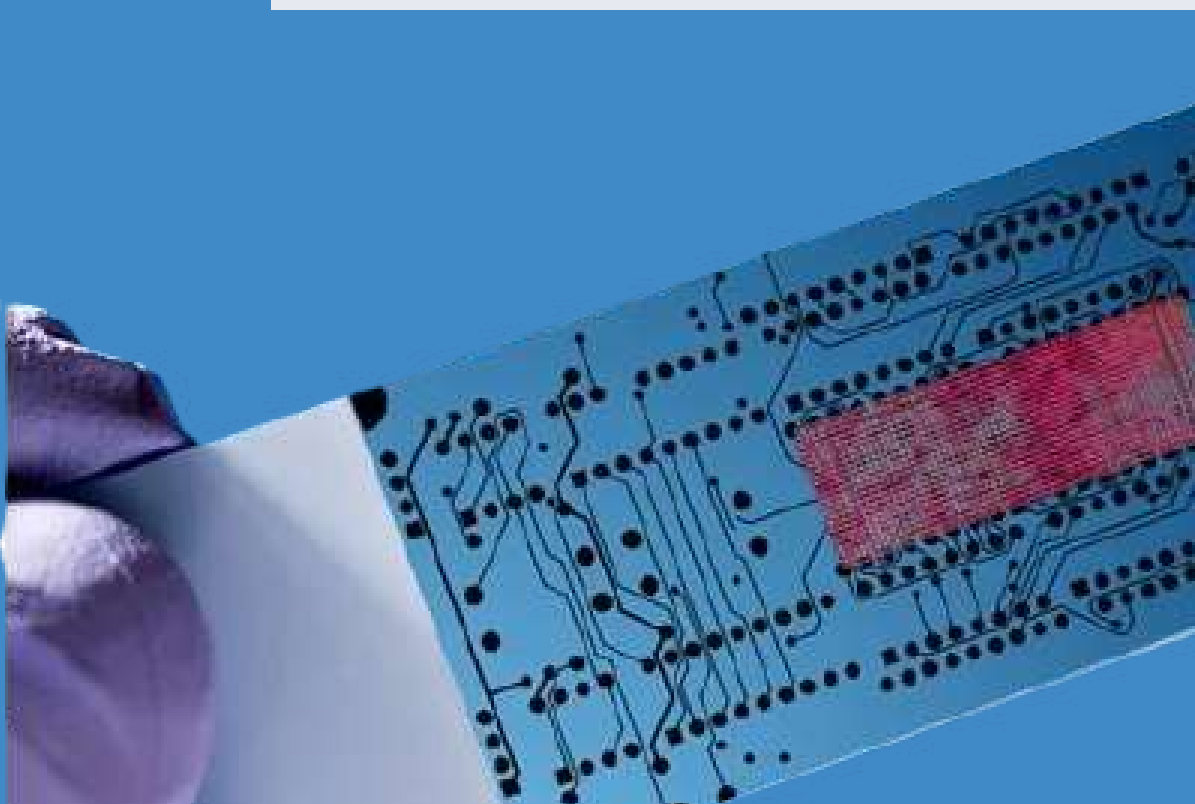


International Webinar On

# **Microfluidics**

February 19-20, 2021

**THEME: Current Trends And  
Future Directions In The Field  
Of Microfluidics**



# KEYNOTE SESSION - I



**Title:** Numerical study of dual immiscible dissipative nanofluid flow in vertical duct using the tiwari-das model with multiple nanoparticle and base fluid combinations

**J.C. Umavathi, Gulbarga University, India**

**14:00 - 14:40**



**Title:** Active microfluidics systems for cell sorting and separation

**Kumaravel Kandaswamy, Kumaraguru College of Technology, India**

**14:40 - 15:20**

**REFRESHMENT BREAK (15:20 - 15:30)**

## ORAL SESSION



**Title:** Worm taxis-on-chip: Understanding a neuron associated protein players during infection

**Mohana Marimuthu, Alagappa University, India**

**15:30 - 16:05**



**Title: Boiling behaviour of nanofluid**

**Pradyumna Ghosh, IIT, India**

**16:05 - 16:40**



**Title: Acoustophoretic focusing of dense suspension in a microchannel**

**L. Sujatha, Rajalakshmi Engineering College, India**

**16:40 - 17:05**

## **KEYNOTE SESSION - II**



**Title: Polymer micro-fabrication for novel diagnostics and therapeutics**

**Zulfiqur Ali, Teesside University, UK**

**17:05 - 17:45**



**Title: Enhanced water capture capability and regulated condensation droplet distribution induced with electrowetting-on-dielectric (EWOD)**

**Run Elle Yan, University of Missouri, Columbia**

**17:45 - 18:25**



**Title: Micro-Fluidic Effects In Face Masks**

**Liviu POPA-SIMIL, LAAS- Los Alamos Academy of Sciences, USA**

**18:25 - 19:05**

**Session Adjournment**