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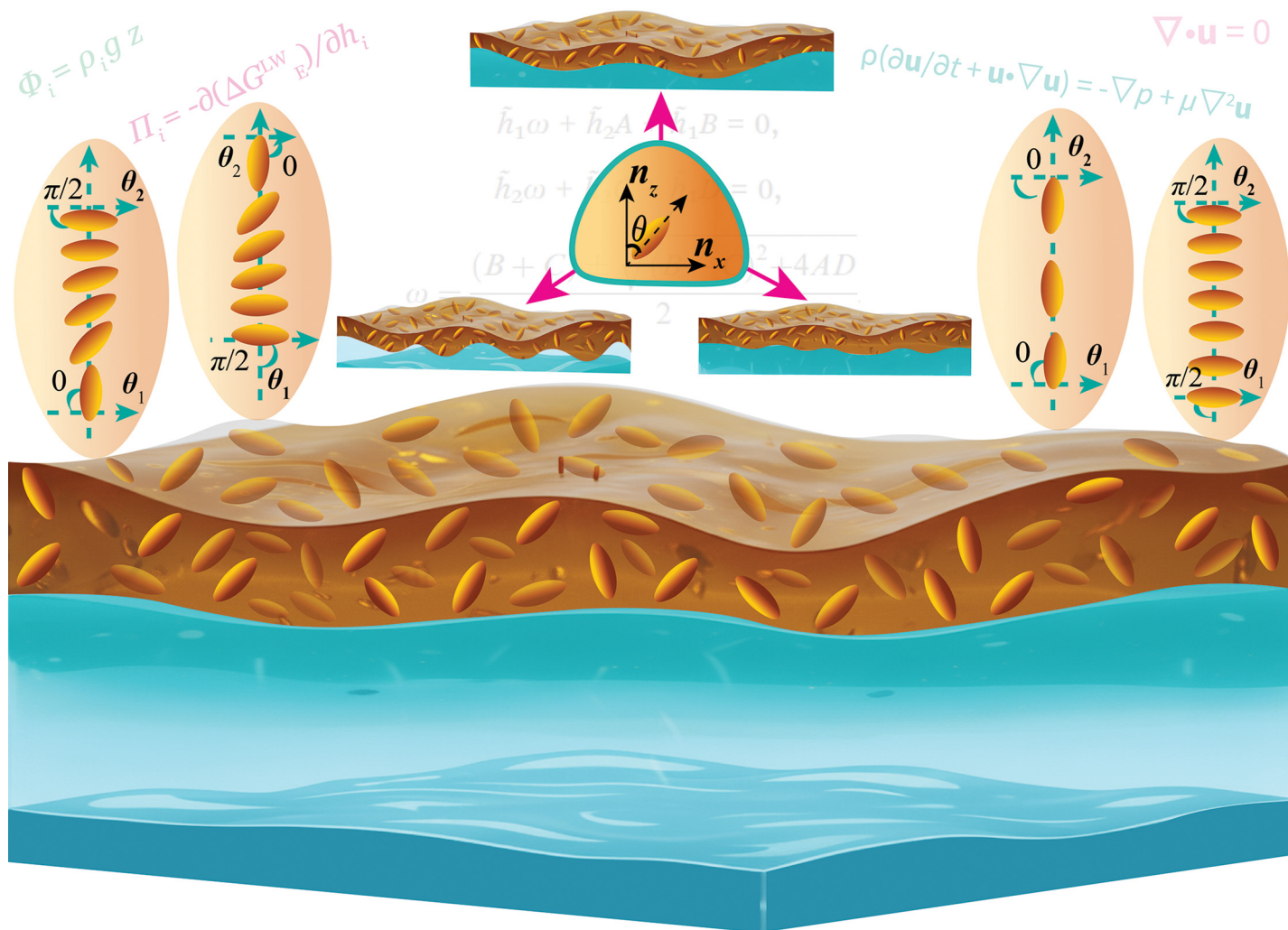
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Showcasing research from Professor Bandyopadhyay's Soft Materials and Micro/Nanofluidics laboratory, Department of Chemical Engineering, Indian Institute of Technology Guwahati, Assam, India.

Orientational order induced mode switching at coupled interfaces of a nematic-isotropic free bilayer

Where nematic liquid crystals tilt and twist, interfaces begin to communicate. This work portrays a free bilayer whose patterns emerge from competing forces, such as elasticity, gravity, and van der Waals interactions. A slight change in anchoring triggers a switch in the dominant instability mode, unveiling the hidden self-organization of soft-matter landscapes.

Image reproduced by permission of Prof. Dipankar Bandyopadhyay from *Soft Matter*, 2026, **22**, 64.

As featured in:



See Prof. Dipankar Bandyopadhyay and Vinod Vanarse *et al.*, *Soft Matter*, 2026, **22**, 64.