

## Special Issue

# Analysis and Integration of Micropolar Fluid Systems

### Message from the Guest Editors

Any fluid with internal microstructure can be identified as a micropolar fluid. Such fluids consist of rigid, randomly oriented particles in a mother liquid carrier. Characteristic examples of micropolar fluids are colloidal suspensions, liquid crystals, ferrofluids, and blood. The applications of micropolar fluids in engineering and biomedicine are numerous, varying from friction reduction to heat transfer control. Moreover, external electric and magnetic fields can be applied on micropolar fluid flows, which extends the number of possible applications. This Special Issue on the “Analysis and Integration of Micropolar Fluid Systems” seeks high-quality works focusing on the latest novel advances regarding the modeling, simulation, optimization, and control of all kinds of micropolar fluids and systems.

### Guest Editors

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### Deadline for manuscript submissions

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## Processes

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