

**WICHITA STATE UNIVERSITY**  
**Department of Mathematics, Statistics & Physics**

**Visiting Candidate for Assistant Professor Position**

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“Numerical schemes for mixtures of isotropic and nematic flows with anchoring and stretching effects modeled using a phase field approach”

Abstract:

The study of interfacial dynamics between two different components has become the key role to understand the behavior of many interesting systems. Indeed, two-phase flows composed of fluids exhibiting different microscopic