

PUBLICATION LIST

FOR

PRACHI THAREJA
Discipline of Chemical Engineering

PAPERS IN REFEREED JOURNALS:

1. A. Ojha[#], **P. Thareja**^{*}, Electrolyte Induced Rheological Modulation of Graphene Oxide Suspensions and its Applications in Adsorption, Accepted for publication in **Applied Surface Science**, *To appear in Jan 2018*.
2. B. Panjwani^{**}, S. Gupta and **P. Thareja**^{*}, Ovalbumin at Oil-Water Interfaces: Adsorption and Emulsification, Accepted for publication in **Journal of Dispersion Sci and Tech**, **2017**.
3. S. Kulkarni[#] and **P. Thareja**^{*}, Suspensions of Titania Nanoparticle Networks in Nematic Liquid Crystals: Rheology and Microstructure, **Rheologica Acta**, DOI: 10.1007/s00397-017-1039-7, Sep. **2017**.
4. S. Kulkarni[#], A. Verma^{**}, N. S. Mishra^{**} and **P. Thareja**^{*}, Partitioning and Self Assembly of Silica and Hematite Particles at Grain Boundaries of Hexagonal Liquid Crystals: Implications on Rheology, **J. Rheol.** 61(2), 311-325, **2017**, 311-325.
5. S. Kumar[#] and **P. Thareja**^{*}, Influence of Electric Field and Shear on the Rheology of Fumed in Silicone Alumina Suspensions, **Colloids and Surfaces A: Physiochemical. Eng. Aspects** , 511, **2016**, 339-350.
6. S. Kulkarni[#] and **P. Thareja**^{*}, Experimental Study of Surfactant Driven Nematic Liquid Crystal (NLC) Anchoring Transitions at Solid Surfaces: Role of Solid Surface Energy and Anisotropic NLC - Solid Interfacial Energy, **Journal of Adhesion Sci and Tech**, 30, 1370-1391, **2016**, 1-20
7. S. Modak^{**}, G. Krishnakumar, S. Gupta and **P. Thareja**^{*}, Influence of Phosphorylation on the Foamability and Stability of Bovine Serum Albumin and Citrus Peel Pectin Mixed Foams, **Journal of Dispersion Sci and Tech**, 38, 9, **2016**, 1266-1275.
8. S. Kulkarni[#] and **P. Thareja**^{*}, Rheology of Colloidal Particles-in-Lyotropic Hexagonal Liquid Crystals: Role of Particle Loading, Shape and Phase Transition Kinetics , **Rheologica Acta**, 55, **2016**, 23-36.
9. S. Kulkarni[#] and **P. Thareja**^{*}, Surfactant Induced Interfacial Anchoring Transitions in Nematic Liquid Crystal Droplets on Glass Surfaces, **Surface Review and Letters**, 24, 175044, **2016**.

10. A. Ojha[#], M. Thaker, D.O Shah and **P. Thareja***, Flow Directed Assembly of Non-Spherical Titania Nanoparticles into Superhydrophilic Thin Films, **Frontiers of Material Science**, 10(1), **2016**, 1-7.
11. **P. Thareja***, Rheology and Microstructure of Pastes with Crystal Network, **Rheologica Acta, Invited Review in Special issue of Novel Trends in Rheology**, **52**, 515–527, **2013**.
12. **P. Thareja**, A. Golematis, C. Street, M. Vethamuthu, K.D. Hermanson, K.P. Anathapadmanabhan and N.J. Wagner, Influence of Surfactants on the Rheology and Stability of Crystallizing Fatty Acid Pastes, **J. Amer. Oil. Chem. Soc.** **90**, **2012**, 273-283.
13. **P.Thareja**, I. Hoffmann, M. Helgeson, M.W. Liberatore, T.Y. Hu, M. Gradzielski and N. J Wagner, Shear induced phase separation (SIPS) and shear banding in solutions of cationic surfactant and salt, **Journal of Rheology**, **55**, 1375-1399, **2011**.
14. **P.Thareja**, C.Street, M.Vethamuthu, K.P. Anathapadmanabhan and N.J Wagner Development of an in-situ rheological method to characterize fatty acid crystallization in complex fluids, **Colloids and Surfaces A: Physiochemical and Engineering Aspects**, **388**, 12-20, **2011**.
15. **P. Thareja**, K.M. Moritz and S. Velankar, Interfacially active particles in droplet/matrix blends of model immiscible homopolymers: Particles can increase or decrease drop size **Rheologica Acta**, **49**, 285-298, **2010**.
16. M.M.W. Mascatello, L.E. Stunja, **P. Thareja**, L.Wang, J.J, Bohn, S. Velankar, S. A. Asher , Dependence of photonic crystal nanocomposite: Elasticity on Crystalline Colloidal Array particle size, **Macromolecules**, **42**, 4403-4406, **2009**
17. **P. Thareja**, S. Velankar, Rheology of immiscible blends with particle-induced drop clusters, **Rheologica Acta**, **47**,189-200,**2008**.
18. **P. Thareja**, S. Velankar, Interfacial activity of particles at PI/PDMS and PI/PIB interfaces: Analysis based on Girifalco Good theory, **Colloid and Polymer Science**, **286**, 1257-1264, **2008**.
19. **P. Thareja**, B P. Ising, S.J. Kingston and S. Velankar, Polymer foams stabilized by particles adsorbed at the air/polymer interface, **Macromolecular Rapid Communications**, **29**, 1329-1334, **2008**.
20. **P. Thareja**, S. Velankar, Particle-induced bridging in immiscible polymer blends, **Rheol. Acta**, **46**, 405-512, **2007**.