

Advances in rheometric techniques and experimental methods

PS-40

Influence of PVA fibers on the rheological properties of Class G cement pastes for abandoned oil well plugging

Anderson Viana Neves, Eliana Marín, Priscilla Ribeiro Vargas, Victor Nogueira Lima, Paulo Roberto de Souza Mendes, Flávio de Andrade Silva

PS-41

Displacement flow through enlarged regions in annular ducts

Matheus Pinto Xavier, Vanessa Martins Picoli, Priscilla Ribeiro Vargas, Mônica Feijó Naccache, Paulo Roberto de Souza Mendes, Carlos Pessanha Costa Carvalho, Umberto Sansoni Junior, André Leibsohn Martins, José Marcelo S. Rocha, Ingrid Ezechiello da Silva**Biomaterials and biological fluids**

PS-42

Rheological comparison between hydroxyethylcellulose hydrogel and dental pulp aiming future odontological treatment

Marcus Ferreira Filho, Lea Maria de Almeida Lopes, Livia Rodrigues de Menezes**Blends and composites**

PS-43

Rheological and mechanical viability of alkali-activated pastes for oil well application

Madeleing Taborda-Barraza, Sheila Mara Santos Silva, Luís Urbano Durlo Tambara Junior, Afonso Rangel Garcez de Azevedo**Colloids and glasses**

PS-44

Study of graphene dispersions in mineral oil using different surfactants

Cecillia C. Tanner, Géssica Palaoro, Diogo E.V. Andrade, Admilson T. Franco**Emulsions, foams and interfacial rheology**

PS-45

Analysis of one-dimensional compression interfacial rheology for flow assurance in crude oil samples

Pedro Sampaio, Tiphane Figueira, Eliana Marín, Priscilla R. Vargas, Osvaldo J. Karnitz, Marcia C. Khalil de Oliveira, Mônica F. Naccache and Paulo R. de Souza Mendes

PS-46

Experimental methodology to find the static yield stress in flow assurance occurrences

Ludmila O. Nardaci Costa, Eliana P. Marin Castano, Priscilla R. Vargas, Osvaldo J. Karnitz, Marcia C. Khalil de Oliveira, Monica F. Naccache, and Paulo R. de Souza Mendes

PS-47

Extensional rheology of dilute ferrofluid emulsions

Guilherme A.L., Siqueira I.R., Cunha L.H.P, Thompson R.L., Oliveira T.F.

PS-48

Impact of kerosene aromaticity on interfacial properties of high-asphaltene Brazilian heavy crude oil

Lina M. Daza-Barranco, Angela C. P. Duncke, Paulo R. de Souza Mendes, José G. Alvarado, Aurora Pérez-Gramatges

PS-49

Influence of maltodextrin and cyclodextrin on emulsification dynamics, dispersion characteristics, and dilatational rheological properties of oil-in-water pickering emulsions

Walisson J. Souza, Gustavo R. Borges, Claudio Dariva, Márcio Nele Souza

PS-50

Interfacial rheology of neuronal cell membrane in Alzheimer's disease

H. Uchôa, B. L. Bazan, P. R. de Souza Mendes, N. Rey, M. Naccache, P. R. Vargas, J. Peixinho

PS-51

Lissajous Lights the Way: Decoding Non-linearity in Interfacial Dynamics

J.E. Leiva Mateus, Lorena R. da C. Moraes, Monica F. Naccache

PS-52

Influence of shear mixing parameters on the rheology for cosmetic oil in water emulsions stabilized by cationic surfactants

Fernando B. Effenberger, Antonia Z. Gardolinski

PS-53

Study of the stability of water-in-oil emulsions stabilized by dispersing agents used for oil spill remediation

Gabriel A. M. Rocha, Taisa C. Dantas, Eduardo R. A. Lima, Helen C. Ferraz**Food rheology**

PS-54

Flow of brewery malt waste suspensions - friction losses in fittings in the laminar regime

Marcio Augusto Ribeiro Sanches, Bianca Guimarães, Javier Telis-Romero

PS-55

Flow of brewery malt waste suspensions: friction factor in the laminar regime

Marcio Augusto Ribeiro Sanches, Bianca Guimarães, Javier Telis-Romero

PS-56

Rheological behavior of buffalo milk at different processing temperatures

Alexsander Saves dos Santos, Halissom Clever Sanches, Marcio Augusto Ribeiro Sanches, Javier Telis-Romero

PS-57

Rheological behavior of sheep milk at different processing temperatures

Alexsander Saves dos Santos, Halissom Clever Sanches, Marcio Augusto Ribeiro Sanches, Javier Telis-Romero

Industrial rheology

- PS-58 Graphene on Waxy oils: a rheological analysis
Rufino K. A. Epesse, Nathália Maria Moraes Fernandes, Ricardo J. E. Andrade, Cezar O. R. Negrão, Diogo E. V. Andrade
- PS-59 Influence of thermal history on the rheological characteristics of SiO₂-based nanofluids
Matheus S. Constantino, Gêssica Palaoro, Diogo E.V. Andrade, Admilson T. Franco
- PS-60 Investigating the impact of xanthan gum concentration on rheological behavior and yield stress of water-based drilling fluids
Luis H. Quitian-Ardila, Emiliano Cruz¹, Yamid J. Garcia-Blanco, Lina M. Daza Barranco, Diogo E. V. Andrade, Admilson T. Franco
- PS-61 Sedimentation of Newtonian and non-Newtonian fluid in directional wells
R.S. Schimicoscki, F.M. Fagundes, E.M. Germer, J.J.R. Damasceno², F.O. Arouca
- PS-62 Neuroscience in scientific communication
Gabriela Brasil, Vanessa Picoli, Matheus Pinto Xavier, Priscilla Vargas, Mônica Naccache, Paulo Roberto de Souza Mendes

Microrheology and microfluidics

- PS-63 Scanning Electron Microscopy investigations of hydrates and emulsions present in crude oils
Cynthia Barreto, Eliana P. Marin Castano, Priscilla R. Vargas, Osvaldo J. Karnitz, Marcia C. Khalil de Oliveira, Monica F. Naccache, and Paulo R. de Souza Mendes

Non-Newtonian fluid mechanics

- PS-64 Development of synthetic lightweight drilling fluid
Patricia Viera de Oliveira, Laura de Paula Fortes, Nezia de Rosso¹, Cezar Otaviano Ribeiro Negrão
- PS-65 Experimental setup for sedimentation of weighting agents with image processing techniques
Yamid García-Blanco, Amanda Chornobai, Raquel Schimicoscki¹, Germer, Eduardo Germer
- PS-66 Nonlinear simulations of magnetorheological fluids subjected to a radial magnetic field
Bruno J. Macedo dos Santos, Pedro J. T. Espinoza, and Rafael M. Oliveira

Polymeric fluids

- PS-67 A Rheology-Based Investigation on the Interaction of Additives in Alginate Solutions
Antonio Lima Alves, Felipe Souto da Silva, Veronica Maria de Araújo Calado
- PS-68 Impact of biomass ashes on the rheological properties of drilling fluid
Rafael S. Fernandes, Amanda D. Gondim and Rosangela C. Balaban
- PS-69 Influence of AADA100 concentration on the stability of rheological properties of aqueous drilling fluids
Thalia Ayane Pereira de Andrade, Daniele Amorim, Jorge Castro, Grazielle Lopes, Luciana S. Spinelli
- PS-70 Stability of Rheological Properties of Nanofluids Containing AADA/Silica Core-Shell Structures
Giulia Silveiras, Grazielle Lopes, Luciana S. Spinelli
- PS-71 Study of the rheological properties of CMC cross-linked with polycarboxylic acid
Stefanni S Everton, André S. Guimarães, Martina C.C. Pinto, Conny Cerai Ferreira, Marcio Nele, José Carlos Pinto

Suspensions and granular materials

- PS-72 Comparative rheological study of the association of biopolymers xanthan gum and guar gum in saline dispersions
Flávia F. Krugel, Gêssica Palaoro², Diogo E.V. Andrade, Admilson T. Franco
- PS-73 Percolation theory and stochastic simulation applied to waxy oil crystallization and gelation
Marcos de Oliveira, André da Silva Guimarães, Marcio Nele
- PS-74 Rheological behavior of microparticles in xanthan gum solutions implemented in well drilling
Julian Jerez, Luis H. Quitian-Ardila, Diogo E. V. Andrade, Admilson T. Franco
- PS-75 Rheological study of CO₂ hydrate suspensions applied to CCS
Ronald A. Gomes, Guilherme Mühlstedt, Cezar O. R. Negrão, Diogo E. V. Andrade
- PS-76 Rheological study of the formation of voids in waxy oils applied to flow assurance
Pedro Tavares Pereira, André da Silva Guimarães, Marcio Nele

Viscoplasticity and thixotropy

- PS-77 Insights on the rheology of fumed SiO₂ nanoparticle suspensions in mineral oil - evaluation of thixotropy and antithixotropy
Gêssica Palaoro, Flávia F. Krugel, Diogo E.V. Andrade, Admilson T. Franco
- PS-78 Numerical simulations of a Newtonian fluid displacing a non-Newtonian one: onset of fingering growth
Bruno Puccioni Sohler and Rafael M. Oliveira