

# Pre-nominated Session FM12

## Flow in porous media

Co-Chair(s):       **Abder Kader Mojtabi (France)**  
                          **V. Nikolaevskiy (Russia)**

<b>Paper ID</b>	<b>Title</b>	<b>Authors</b>
FM12L_10199	Numerical Investigation of Convective Regimes in a Planar Filtrational Convection Problem	Vasiliiy N. Govorukhin, Igor V. Shevchenko
FM12L_10234	Dissolution in Porous Media: Upscaling, Instabilities and Heterogeneity Effects	F. Golfier, B. Bazin, R. Lenormand, M. Quintard
FM12S_10548	Instability and Dynamic Chaos of Non-equilibrium Filtration of Gaseous Liquid	Guzel T. Bulgakova, Mars M. Khasanov
FM12L_11059	Double - Porosity Soils with Highly Conductive Inclusions: Modeling of Water Flow in Unsaturated Conditions	Jolanta Lewandowska, Adam Szymkiewicz, Jean-Louis Auriault
FM12L_11109	Plastic Mass Flow of Sand Under Action of Pore Pressure Gradient	Victor N. Nikolaevskiy
FM12S_11115	P - Waves Behavior at Transition from Liquid to Gas - Saturated Porous Media	Dmitry N. Mikhayalov
FM12S_11248	Nonstationary Flow of Stokesian Fluid through Elastic Skeleton with Hierarchical Structure	Wlodzimierz R. Bielski, Jozef J. Telega
FM12L_11343	Confined Air - liquid Drainage: Local Analysis and Invasion Percolation Model	F. Plouraboue, S. Geoffroy, F. Flukiger, O. Amyot, M. Prat
FM12S_11487	A Joule-Thomson Process of a Wetting Fluid Near Saturation	Thomas Loimer
FM12L_11994	Microscopic Simulations of the Dissolution of Rock Fractures	Piotr Szymczak, Anthony Ladd
FM12L_12376	Fractional Model for Solute Spreading in Randomly Heterogeneous Porous Media	Kira Logvinova, Marie-Christine Neel
FM12S_12528	Oscillatory Modes of Adsorption in the Flow of Multicomponent Systems	Liana Kovaleva, Marat Mavletov

FM12S\_12611 Extended Description of Pore Space Structure and Mieczyslaw Cieszko  
Fluid Flow through Anisotropic Porous Materials

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FM12L\_12617 Onset of Convection for a Miscible Fluid in a Porous Medium Robert Behringer, Michael  
Carey, Mark Steen, Laurens  
Howle

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