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New Methods to Determine Effluent Quality, Behavior are Focus of Water Environment Research Open Access Article

ALEXANDRIA, Va. – Three new methods of determining the quality and behavior of effluent in clarifiers are the topic of the open access article in the July 2017 edition of *Water Environment Research (WER)*.

"In their paper on modeling activated sludge settling, Mancell-Egala et al. developed three new parameters to describe floc behavior," said Tim Ellis, WER editor-in-chief. "Intrinsic settling classes, threshold of flocculation/flocculation limitation, and floc strength were each determined from critical settling velocity tests. These new parameters helped to describe settling performance for a wide range of activated sludge system configurations without the need for specialized instrumentation and can be used to determine whether coagulants or additional clarifier surface area are required."

Selected WER articles such as this one are available free to the public on a monthly basis through an open-access program. In addition, authors can pay a fee to make their accepted articles open access. Click here to download "Novel Stokesian Metrics that Quantify Collision Efficiency, Floc Strength, and Discrete Settling Behavior," by William A.S.K. Mancell-Egala; Haydee De Clippeleir; Chungyung Su; Imre Takacs; John T. Novak; and Sudhir N. Murthy.

Published by the Water Environment Federation since 1928, *WER* is a popular professional journal that features peer-reviewed research papers and research notes, as well as state-of-the-art and critical reviews on original, fundamental, and applied research in all scientific and technical areas related to water quality, pollution control, and management.

Originally known as the *Sewage Works Journal*, *WER* is available in both print and online formats and receives approximately 400 new research submissions each year.

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