

1. Record Nr.	UNINA9910350342503321
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Titolo	Decision Making with Uncertainty in Stormwater Pollutant Processes : A Perspective on Urban Stormwater Pollution Mitigation / / by Buddhi Wijesiri, An Liu, Prasanna Egodawatta, James McGree, Ashantha Goonetilleke
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-3507-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (88 pages)
Collana	SpringerBriefs in Water Science and Technology, , 2194-7252
Disciplina	551.488
Soggetti	Pollution Water Hydrology Engineering geology Geoengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Understanding uncertainty associated with stormwater quality modelling -- Pollutant build-up and wash-off processes variability -- Assessment of build-up and wash-off process uncertainty and its influence on stormwater quality modelling -- Case study – uncertainty assessment of heavy metals build-up and wash-off processes -- Practical implications and recommendations for future research.
Sommario/riassunto	This book presents new findings on intrinsic variability in pollutant build-up and wash-off processes by identifying the characteristics of underlying process mechanisms, based on the behaviour of various-sized particles. The correlation between build-up and wash-off processes is clearly defined using heavy metal pollutants as a case study. The outcome of this study is an approach developed to quantitatively assess process uncertainty, which makes it possible to mathematically incorporate the characteristics of variability in build-up and wash-off processes into stormwater quality models. In addition, the approach can be used to quantify process uncertainty as an integral aspect of stormwater quality predictions using common uncertainty

analysis techniques. The information produced using enhanced modelling tools will promote more informed decision-making, and thereby help to improve urban stormwater quality.

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