1. Record Nr. UNINA9910377829603321

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Titolo	Water Quality Index Prediction Using Multiple Linear Fuzzy Regression Model : Case Study in Perak River, Malaysia / / by Samsul Ariffin Abdul Karim, Nur Fatonah Kamsani
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-3485-3
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XII, 55 p. 18 illus., 16 illus. in color.)
Collana	SpringerBriefs in Water Science and Technology, , 2194-7244
Disciplina	363.7394 363.73946
Soggetti	Water - Pollution Water quality Computational intelligence Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution Water Quality/Water Pollution Computational Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Fuzzy Multiple Linear Regression -- Water Quality Index (WQI) -- Data Collection and Study Sites -- Water Quality Index Using Fuzzy Regression.
Sommario/riassunto	This book addresses the prediction of the Water Quality Index (WQI) at Perak River, State of Perak, Malaysia, using a fuzzy multiple linear regression model to tackle the uncertainty in the measurements of six key parameters – dissolved oxygen (DO), biological oxygen demand (BOD), chemical oxygen demand (COD), suspended solids (SS), pH value (pH) and ammoniacal nitrogen (NH3-NL). Given its scope, the book is suitable for graduate students, researchers and water quality scientists.