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Disertation

Author:	Madunić-Čačić Dubravka
Title:	Razvoj i primjena tenzidnih senzora pri kontroli otpadnih voda (Development and application of surfactants in waste waters)
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Abstract:	Novi jednostavni tenzidni senzor zasnovan na tetraheksadecilamonijevom dodecilsulfatu kao senzorskom ionsko-izmjenjivačkom kompleksu, ugrađen u plastificiranu PVC-tekuću membranu, potenciometrijski je karakteriziran i korišten za potenciometrijsku titraciju niskih koncentracija anionskih tenzida u razrijeđenim industrijskim detergentskim proizvodima i industrijskim otpadnim vodama. NIO (Metrohm) tenzidna elektroda korištena je kao indikator završne točke potenciometrijske titracije niskih koncentracija polietoksiliranih neionskih tenzida u sintetičkim formulacijama i industrijskim otpadnim vodama. *The new simple surfactant sensor based on tetrahexadecylammonium dodecylsulfate as sensing ion-exchange complex, incorporated in plasticised PVC-liquid membrane, has been potentiometrically characterized and used for potentiometric titration of low level anionic surfactants in diluted industrial detergent products and industrial waste waters.* *The Metrohm NIO surfactant electrode has been used as end-point indicator for potentiometric titration of low concentration level of polyethoxylated nonionic surfactant in synthetic formulations and industrial waste waters.*
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