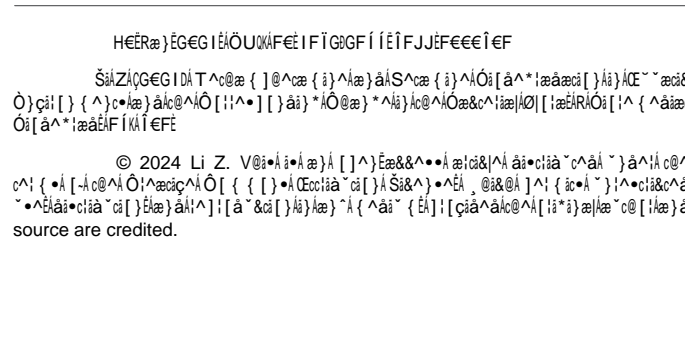
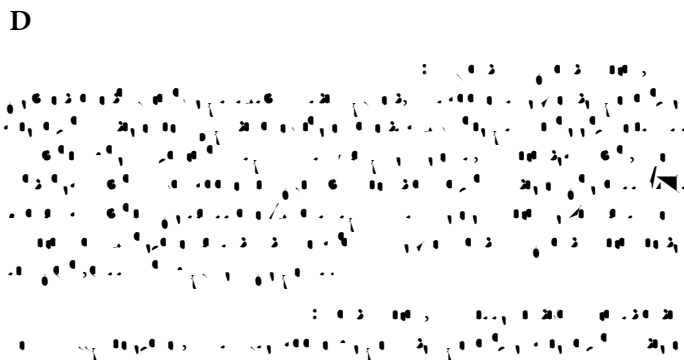
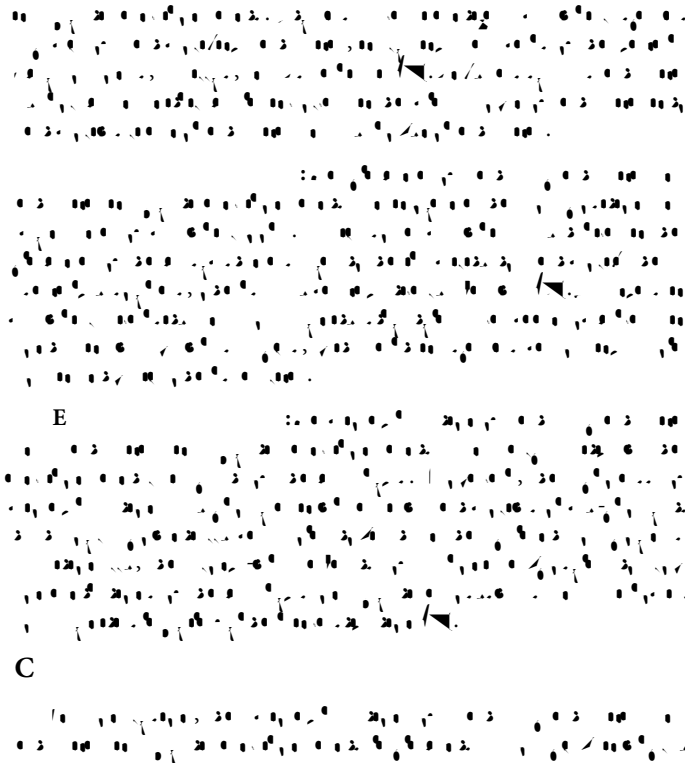
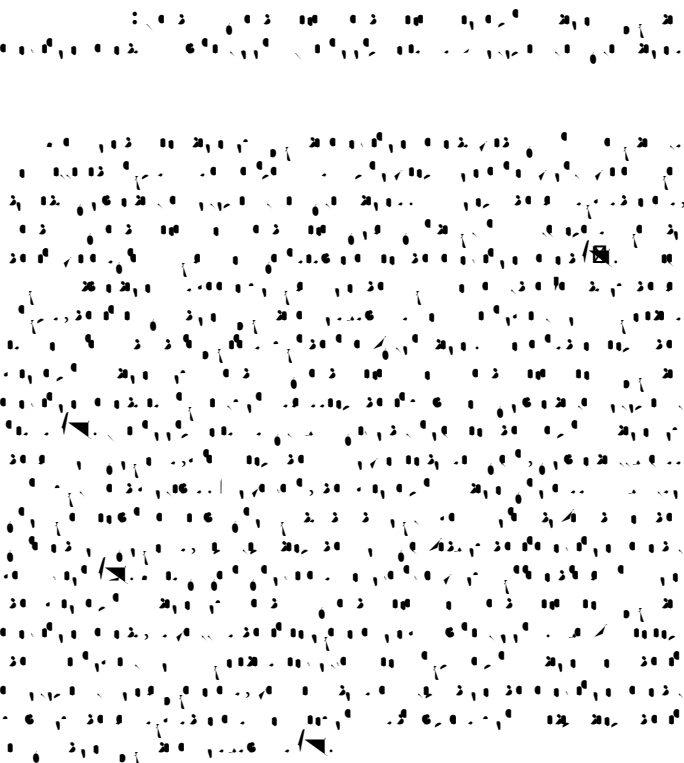


Methamphetamine and Ketamine Biodegradation in Aquatic Environment and the Corresponding Change in the Bacterial Flora

Laboratory for Earth Surface Processes, Fudan University, China

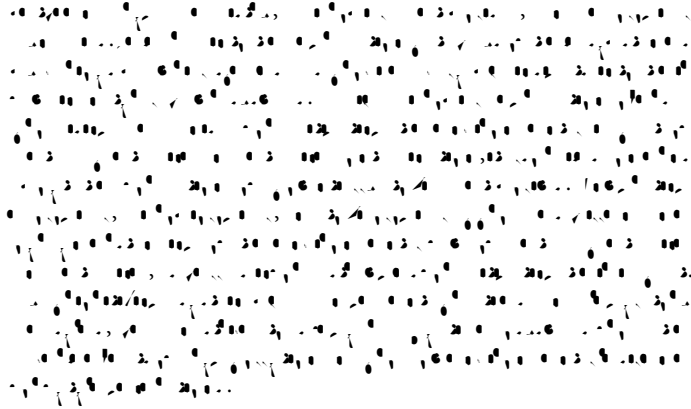
Methamphetamine (METH) and ketamine (KET) are widely detected in surface waters and thus may pose threat to the aquatic environment. The biodegradation of these drugs in aquatic environment is a complex process involving various microorganisms. This study aims to investigate the biodegradation of METH and KET in aquatic environment and the corresponding change in the bacterial flora. The results show that both METH and KET can be biodegraded in aquatic environment, and the biodegradation is more rapid in the presence of microorganisms. The bacterial flora changes significantly during the biodegradation process, with the abundance of certain bacteria increasing and others decreasing. These findings provide valuable information for understanding the biodegradation of drugs in aquatic environment and the corresponding change in the bacterial flora.



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© 2024 Li Z. V@i^k i^kæ } ä []^k } Éæ&^k^k æ iæä|k^k äi^k iä^k c^k ä^k } ä^k iä c@^k c^k { ^ } ä c@^k^k Ö iæcic^k Ö [] { }^k } ä Ecctiä^k cä []^k S&^k }^k ÉÄ , @i&@Ä]^k { äc^k }^k i^k c i&c^k ä^k }^k ^k äi^k c iä^k cä []^k Éææ } äk^k } i [ä^k cä []^k kæ }^k Ä { ^ } ä^k } { ÉÄ } i [çä^k äk@^k^k iä^k } ä iææ^k c@ []^k kæ } äk source are credited.



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