

【論文】

城西大学坂戸キャンパス周辺の湧水を起源とする水環境

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Water environments around Josai University in Saitama

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Abstract

Sakado Campus of Josai University is located on a river terrace by the Moroyama hills and the Koma River. Therefore, it is a perfect field for geological and biological research about water environment. The water environment is consisted with four elements: water quality, water quantity, aquatic organisms, and waterfront areas. In this study, we investigated the water quality and biological survey of ponds and waterways originating from springs around the Sakado Campus of Josai University. As a result, the existence of rare species listed in Saitama Prefecture Red Data was confirmed. It was also confirmed that the water quality and aquatic organism of the waterways originating from springs deteriorated significantly due to the construction work.