

The impact of climate condition and stream regime on water chemistry

Yoshiaki Otsuka[1]; Katsuro Anazawa[2]; Takashi Tomiyasu[2]

[1] Grad. School. of Sci Eng., Kagoshima Univ.; [2] Fac. Sci., Kagoshima Univ

Recent urban development and industrial growth have been inducing the degradation of surface water quality. Accordingly, the social concerns on water environment are increasing vigorously. Accumulation of comprehensive knowledge and proper understanding on dissolved chemical component of river and lake water are indispensable to solve this issue. However, researches on surface water have been concentrated only on the health-related parameters such as COD, BOD. On the contrary the behavior of major solutes has been paid little attention. In this study, we focused on the chemical behavior of major solutes. The water samples were collected in Shikoku area and were subjected to chemical analysis. Based on the obtained analytical data, an attempt was made to clarify the correlation between the water chemistry and climate condition or stream regime of the basin.