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辻 彰洋・小倉紀雄・村上哲生・渡辺仁治・吉川俊一・中島拓男：珪藻試料を用いた酸性雨による陸水影響モニタリング

Akihiro Tuji, Norio Ogura, Tetsuo Murakami, Toshiharu Watanabe, Syuichi Yoshikawa and Takuo Nakajima : Biological monitoring for acidification by acid rain using diatom assemblages

#### Abstract

The history, type of diatom assemblages, sampling methods and statistical methods of biological monitoring for acidification, were studied. We examined published papers and discussed the problem of applying this monitoring to eastern Asia including Japan. Though, a technical challenge was thought to exist, a data set for this study did not exist in Japan and eastern Asia, and so we could not evaluate this problem. The construction of a data set for application to eastern Asia and Japan, is clearly needed.

Key index words : acidification, biological indicator, diatom assemblages, Eastern Asia, inland waters, Japan, pH