

## Bulletin of the University of Osaka Prefecture

Series B

Agriculture and Biology

(Abb. : Bull. Univ. Osaka. Pref., Ser. B)

Vol. 42

1990

## Contents

## Original Papers

Takio ICHITANI and Tomio KINOSHITA: Materials for Pythium Flora of Japan (III) <i>Pythium aristosporum</i> from rhizosphere soil of zoysia green . . . . .	1
Katsuhiko YABE, Torahiko TANIGAWA and Sanji TEJIMA: Land and Water Management for Cultivation Under Cover in the Kinki District (II) A case study of the investigations of the actual conditions in Shiga, Nara, and Wakayama prefectures . . . . .	9
Torahiko TANIGAWA, Katsuhiko YABE and Sanji TEJIMA: Land and Water Management for Cultivation Under in the Kinki District (I) A case of study of the investigation of the actual conditions in Kyoto, Osaka, and Hyogo prefectures . . . . .	19
Daishu ABE, Noboru MASUDA, Yasuhiko SHIMOMURA and Hisae SHINOHARA: Elucidation of "Comfortable" Color Conditions in Town and Streetscapes . . . . .	29
Noboru MASUDA, Yasuhiko SHIMOMURA, Mayumi YOSHIMURA and Daishu ABE: Research into Veranda Gardening and Greenery in Multistory Housing . . . . .	39
Yasuhiko SHIMOMURA, Noboru MASUDA, Yukitaka ADACHI and Daishu ABE: Research into Turf Management Systems for Golf Courses . . . . .	51
Nobutaka MONJI, Ken HAMOTANI and Yukio OMOTO: Dynamic Behavior of the Moisture near the Soil-Atmosphere Boundary . . . . .	61
Masayuki KATAYAMA: Effect of High Concentration of Carbon Dioxide in the Atmosphere on Carbonic Anhydrase Activity in Plants . . . . .	71
Akira WADANO, Mitsunori TOMINAGA, Toshio IWAKI, Akiho YOKOTA and Kazuo MIURA: Simulation of the Physiological Role of Spinach Glyoxylate Reductase (NADP <sup>+</sup> ) in Chloroplasts . . . . .	77
Kazutaka MIYATAKE, Takashi NANMORI, Yoshihisa NAKANO and Shozaburo KITAOKA: Effect of Ammonium Ion on A Rapid Breakdown of Paramylon ( $\beta$ -1, 3-glucan) in Protist <i>Euglena gracilis</i> . . . . .	93
Naofumi MORITA, Masayuki HATA, Makoto IKEDA and Masanosuke TAKAGI: Effect of L-Ascorbic Acid and its Related Derivatives on the Peroxidation of Linoleic Acid in Neutral Buffer Solution . . . . .	103
Hiroshi KUROOKA, Shosaku HORIUCHI, Shingo FUKUNAGA and Eiji YUDA: Effects of Electric Current on Breaking Bud Dormancy in Grapes . . . . .	111
<i>Scientific Publications</i> . . . . .	121