

# Contents

## Originals

- Quality and Their Sedative Effects of Japanese Valerian Roots  
.....Shiro Yoshitomi, Masazumi Watanabe, Fumiaki Kawanishi and Motoyoshi Satake... 55
- Interspecific and Local Variations of Magnolol, Honokiol, and  $\beta$ -endesmol Contents and Correlation  
between those Contents and Morphological Characters of Magnolia Barks  
.....Kenji Kondo, Naoko Hattori, Kazushige Kidoguchi, Iwao Sakakibara, Susumu Terabayashi,  
Masayoshi Kubo, Masami Higuchi, Hiroshi Sasaki, Hideo Kamei, Minoru Okada,  
Guang-ming Shu, Xue-min Xu and Xian-zhang Liu... 61
- Basic Studies for Cultivation of *Glycyrrhiza uralensis* (1)  
.....Makio Shibano, Saori Kawase, Rie Murakami, Syunji Kita, Genjiro Kusano, Toshiro Shibata,  
Yoshio Hatakeyama and Isao Agata... 70
- Effect of Crude Drugs on Alteration of GABA Content after Administration of  $\beta$ -carboline-3-carboxylic  
acid ethyl ester in Mice Brain  
.....Kenroh Sasaki, Tomoko Sato, Yukako Matsuoka, Yuri Daifu and Fumihiko Yoshizaki... 75
- Quantitative Determination of Shikonin in Shiunko  
.....Tetsuya Arai, Changqi Zhao, Hajime Mizukami, Keisuke Kojima, Toshihiro Yasui,  
Shirou Furuhashi, Setsuko Sekita, Motoyoshi Satake and Yukio Ogihara... 81

## Notes

- Quality Evaluation of Plant Dye Henna with Glycosides  
.....Tomoko Kawamura, Youichi Hisata, Kazuyo Okuda, Yukio Noro,  
Yoshio Takeda and Toshihiro Tanaka... 86
- Isoflavonoid Contents in Green Soybeans (1) Content Changes during the Seed Growth  
.....Tomoko Kawamura, Youichi Hisata, Kazuyo Okuda, Yukio Noro, Masaharu Yasuda,  
Kaneyuki Koshikawa and Toshihiro Tanaka... 90
- New Benzoxepin Glucoside from Transformed Root Cultures of *Helianthus annuus* L.  
.....Kazutaka Nishikawa, Tatsuko Munechika, Masami Ibaraki, Toshihiro Fujioka, Hiroko Fujii,  
Kunihide Mihashi, Koichiro Shimomura and Kanji Ishimaru... 93
- Cytotoxic Constituents from *Erythroxylum catuaba* Isolation and Cytotoxic Activities of Cinchonain  
.....Mitsuru Satoh, Yoshio Satoh and Yasuo Fujimoto... 97
- Two New Flavonol Glycosides from *Morettia philaena* Growing in Egypt  
.....Abdel-Naser B. Singab, Shigeru Kouguchi, Makio Shibano and Genjiro Kusano... 101

## Natural Medicine Notes

- Chemical Constituents of a Diatom *Triceratium dubium*  
.....Yukako Sakio, Masami Ishibashi and Emi Okuyama... 104
- Sterol Constituents from *Omphalia lapidescens*  
.....Yasunori Yaoita, Kyoko Tominari, Rie Kakuda, Koichi Machida and Masao Kikuchi... 105
- Isolation of Acorane-Type Sesquiterpenes from the Paraguayan Medicinal Plant  
*Elinorus latiflorus* Nees  
.....Kimihiko Matsunaga, Akiko Takahashi, Fumiko Watanabe and Yasushi Ohizumi... 106
- Triterpenoids from Stem Bark of *Ilex latifolia*  
.....Jing Huang, Yukio Ogihara, Noriko Shimizu, Tadahiro Takeda and Toshiyuki Akiyama... 107

## News Letter

- Survey of Colonies of *Coptis japonica* in Makino-cho, Takashima-gun, Pref. Shiga (2) : Vegetation,  
Morphology and Alkaloid Contents  
.....Tenji Konishi, Shiu Kiyosawa, Yasuo Shimada, Shigehito Terakado and Sakiko Takada... 108