

**Invited Trends Article**

Retinoic Acid as a Regulator of Cytokine Signaling after Nerve Injury

J. MEY 163

**Original Communications**

A Novel Acetylated 3-Deoxyanthocyanidin Laminaribioside from the Fern *Blechnum novae-zelandiae*

E. E. SWINNY 177

Sesquiterpenoids from the Roots of *Solanum aethiopicum*

H. NAGASE, T. NAGAOKA, A. WATANABE, Y. SAKATA and T. YOSHIHARA 181

Conformational Change of *Arabidopsis thaliana* Thioredoxin Reductase after Binding of Pyridine Nucleotide and Thioredoxin

H. NIVINSKAS, J.-P. JACQUOT and N. ČENAS 188

Induction of Hydroxycinnamic Acid Amides and Tryptophan by Jasmonic Acid, Abscisic Acid and Osmotic Stress in Barley Leaves

Y. OGURA, A. ISHIHARA and H. IWAMURA 193

Photosynthetic Electron Transport Inhibition by Pyrimidines and Pyridines Substituted with Benzylamino, Methyl and Trifluoromethyl Groups

S. Ohki, H. Takahashi, N. Kuboyama, K. Kozumi, H. Kohno, J. J. S. van Rensen, K. Wakabayashi and P. BÖGER 203

Chemical Intra-Mediterranean Variation and Insecticidal Activity of *Crithmum maritimum*

M. TSOUKATOU, C. TSITSIMPIKOU, C. VAGIAS and V. ROUSSIS 211

Microbial Hydroxylation and Reduction of the Diterpene Psiadin

K. Y. ORABI, A. M. GALAL, A.-R. S. IBRAHIM, F. S. EL-FERALY and A. T. MCPHAIL 216

Microbial Epoxidation of the Tricyclic Sesquiterpene Presilphiperfolane Angelate Ester

K. Y. ORABI 223

Involvement of Reactive Oxygen Species in the Induction of (*S*)-*N*-*p*-Coumaroyloctopamine Accumulation by  $\beta$ -1,3-Glucooligosaccharide Elicitors in Potato Tuber Tissues

F. MATSUDA, H. MIYAGAWA and T. UENO 228

The Oxidative Processes Induced in Cell Suspensions of *Solanum* Species by Culture Filtrate of *Phytophthora infestans*

L. POLKOWSKA-KOWALCZYK and U. MACIEJEWSKA 235

Transformation Studies of *Bacillus thuringiensis cryIC* Gene into a Nitrogen-Fixing *Azospirillum lipoferum*

R. GOUNDER and N. RAJENDRAN 245

Antifeedants against *Acusta despesta* from the Japanese Cedar, *Cryptomeria japonica*

X. H. CHEN, C.-S. KIM, T. KASHIWAGI, S. TEBAYASHI and M. HORIIKE 249

Repellent Activity of Estrogenic Compounds toward Zoospores of the Phytopathogenic Fungus *Aphanomyces cochlioides*

M. T. ISLAM and S. TAHARA 253

Volatiles from Apple (*Malus domestica*) Eliciting Antennal Responses in Female Codling Moth *Cydia pomonella* (L.) (Lepidoptera: Tortricidae): Effect of Plant Injury and Sampling Technique

A.-C. BÄCKMAN, M. BENGTESSON, A.-K. BORG-KARLSSON, I. LIBLIKAS and P. WITZGALL 262

Propolis from Chilean Matorral Hives

O. MUÑOZ, R. C. PEÑA, E. URETA, G. MONTENEGRO and B. N. TIMMERMANN 269

Phenolic Compounds of Propolis from Central Chilean Matorral

O. MUÑOZ, R. C. PEÑA, E. URETA, G. MONTENEGRO, C. CALDWELL and B. N. TIMMERMANN 273