

## INDEX OF VOLUME 40 (2004)

BRYK H., DYKI B., SOBICZEWSKI P. Inhibitory effect of <i>Pseudomonas</i> spp. on the development of <i>Botrytis cinerea</i> and <i>Penicillium expansum</i> .....	128
CHAOUCH R., REDINBAUGH M.G., MARRAKCHI M., HOGENHOUT S.A. Genomic of the severe isolate of maize chlorotic dwarf virus .....	113
DREISEITL A. Virulence frequencies to powdery mildew resistance genes of winter barley cultivars .....	135
DŘÍMALKOVÁ M., VEVERKA K. Seedlings damping-off of <i>Chenopodium quinoa</i> Willd. ....	5
ELIAŠOVÁ M., PAPIEROVÁ B., CAGÁŇ L. Mortality of <i>Metopolophium dirhodum</i> (Homoptera: Aphididae) caused by strains of <i>Erynia neoaphidis</i> (Entomophthorales: Entomophthoraceae) from Slovakia and Greece .....	54
JUHÁSOVÁ G., IVANOVÁ H., ADAMČÍKOVÁ K., KOBZA M., ČEREVKOVÁ A. Scab disease of firethorn at selected localities in Slovakia .....	42
KUMARI S., KUNDU J. K., POLÁK J. Identification of <i>Xiphinema vuittenezi</i> by polymerase chain reaction .....	1
POLÁK J., CHALOUPKOVÁ M., JOKEŠ M. Biological and serological procedures to detect three nepoviruses in fruit trees .....	121
PRASLIČKA J., HUSZÁR J. Influence of temperature and host plants on the development and fecundity of the spider mite <i>Tetranychus urticae</i> (Acarina: Tetranychidae) .....	141
PRASLIČKA J., MIŠTINA T. Influence of parasitisation on cereal aphids ( <i>Sternorrhyncha: Aphidoidea</i> ) in various field management .....	49
PRASLIČKA J., MIŠTINA T. Effects of different field managements on the abundance of cereal aphids ( <i>Sternorrhyncha: Aphidoidea</i> ) .....	82
SALAVA J., CHODOVÁ D., NOVÁKOVÁ K. The emergence of a atrazine resistant black nightshade ( <i>Solanum nigrum</i> L.) biotype and molecular basis of the resistance .....	94
ŠIRLOVÁ L., VACKE J., JOKEŠ M. Characteristics of a potyvirus associated with a mosaic-like disease of yellow oat-grass .....	37
STARÁ J., KOCOUREK F. Flight pattern of <i>Archips podana</i> (Lep.: Tortricidae) based on data from pheromone traps .....	75
STEJSKAL V., LUKÁŠ J., AULICKÝ R. Temperature-dependent development and mortality of Australian cockroach, <i>Periplaneta australasiae</i> (Fabricius) (Blattodea: Blattidae) .....	11

ŠVEC M., MIKLOVIČOVÁ M., ŠUDYOVÁ V., HUDECOVICOVÁ M., HAUPTEVOGEL P., KRAIC J. Powdery mildew resistance in some <i>Aegilops</i> species .....	87
<b>SHORT COMMUNICATION</b>	
PAVELA R., CHERMENSKAYA T. Potential insecticidal activity of extracts from 18 species of medicinal plants on larvae of <i>Spodoptera littoralis</i> .....	145
MITEVA L.P-E., IVANOV S.V., ALEXIEVA V.S., KARANOV E.N. Effect of atrazine on glutathione levels glutathione S-transferase and glutathione reductase activities in pea and wheat plants .....	16
ŠINDELÁŘ L., ŠINDELÁŘOVÁ M. Regulation of metabolic pathways PVY-RNA biosynthesis in tobacco: glycolytic pathway ...	101
<b>REVIEW</b>	
AGBENIN O. N. Potentials of organic amendments in the control of plant parasitic nematodes .....	21
BANWO O.O., ALEGBEJO M.D., ABO M.E. <i>Rice yellow mottle virus</i> genus <i>Sobemovirus</i> : a continental problem in Africa .....	26
BROŽOVÁ J. Mycoparasitic fungi <i>Trichoderma</i> spp. in plant protection .....	63
CHODOVÁ D., MIKULKA J., KOČOVÁ M., SALAVA J. Origin, mechanism and molecular basic of weed resistance to herbicides .....	151
<b>NEW AND UNUSUAL REPORTS</b>	
STEJSKAL V., KUČEROVÁ Z., LUKÁŠ J. Evidence and symptoms of pasta infestation by <i>Sitophilus oryzae</i> (Curculionidae; Coleoptera) in the Czech Republic .....	107
<b>BIOGRAPHICAL NOTICE</b>	
BARTOŠ P. Doc. Ing. Jozef Huszár, DrSc., is sixty .....	112
<b>SUPPLEMENT</b>	
GAAR V. Plant Health Care Terminology – 20. Characteristics of nematodes .....	I/2
NOVÁK I., HONĚK A. Plant Health Care Terminology – 18. Relationship animal – feed .....	I/1
HEROLDOVÁ M., ZEJDA J., ZAPLETAL M. Plant Health Care Terminology – 19. Mammals .....	XVII/1
KŮDELA V. Plant Health Care Terminology – 21. Post-harvest plant pathology .....	I/3
KŮDELA V. Plant Health Care Terminology – 22. Certification of pathogen-free planting material .....	I/4

**AUTORS INDEX**

- ABO, M.E. ... 26  
 ADAMČÍKOVÁ, K. ... 42  
 AGBENIN, O.N. ... 21  
 ALEGBEJO, M.D. ... 26  
 ALEXIEVA, V.S. ... 16  
 AULICKÝ, R. ... 11  
 BANWO, O.O. ... 26  
 BARTOŠ, P. ... 112  
 BROŽOVÁ, J. ... 63  
 BRYK, H. ... 128  
 CAGÁŇ, L. ... 54  
 ČEREVKOVÁ, A. ... 42  
 CHALOUPKOVÁ, M. ... 121  
 CHAOUCH, R. ... 113  
 CHERMENSKAYA, T. ... 145  
 CHODOVÁ, D. ... 94, 151  
 DREISEITL, A. ... 135  
 DŘÍMALKOVÁ, M. ... 5  
 DYKL, B. ... 128  
 ELIAŠOVÁ, M. ... 54  
 GAAR, V. ... I/2  
 HAUPTVOGEL, P. ... 87  
 HEROLDOVÁ, M. ... XVII/1  
 HOGENHOUT, S.A. ... 113  
 HONĚK, A. ... I/1  
 HUDCOVICOVÁ, M. ... 87  
 HUSZÁR, J. ... 141  
 IVANOV, S.V. ... 16  
 IVANOVÁ, H. ... 42  
 JOKEŠ, M. ... 37, 121  
 JUHÁSOVÁ, G. ... 42  
 KARANOV, E.N. ... 16  
 KOBZA, M. ... 42  
 KOCOUREK, F. ... 75  
 KOČOVÁ, M. ... 151  
 KRAIC, J. ... 87  
 KUČEROVÁ, Z. ... 107  
 KŮDELA, V. ... I/3, I/4  
 KUMARI, S. ... 1  
 KUNDU, J.K. ... 1  
 LUKÁŠ, J. ... 11, 107  
 MARRAKCHI, M. ... 113  
 MIKLOVIČOVÁ, M. ... 87  
 MIKULKA, J. ... 151  
 MIŠTINA, T. ... 49, 82  
 MITEVA, L.P-E. ... 16  
 NOVÁK, I. ... I/1  
 NOVÁKOVÁ, K. ... 94  
 PAPIEROK, B. ... 54  
 PAVELA, R. ... 145  
 POLÁK, J. ... 1, 121  
 PRASLIČKA, J. ... 141, 49, 82  
 REDINBAUGH, M.G. ... 113  
 SALAVA, J. ... 94, 151  
 STEJSKAL, V. ... 107  
 ŠINDELÁŘ, L. ... 101  
 ŠINDELÁŘOVÁ, M. ... 101  
 ŠIRLOVÁ, L. ... 37  
 SOBICZEWSKI, P. ... 128  
 STARÁ, J. ... 75  
 STEJSKAL, V. ... 11  
 ŠUDYOVÁ, V. ... 87  
 ŠVEC, M. ... 87  
 VACKE, J. ... 37  
 VEVERKA, K. ... 5  
 ZAPLETAL, M. ... XVII/1  
 ZEJDA, J. ... XVII/1

## SUBJECT INDEX

### A

- Aegilops* spp., interactions with *Blumeria*  
*graminis* f.sp. *tritici* ..... 87  
Africa, problems with *Rice yellow mottle virus* ... 26  
*Archips podana*, flight aktivity of ..... 75  
atrazine, its effect on pea and wheat plants ..... 16  
–, its effect on *Solanum nigrum* ..... 94  
Australian cockroach ..... 11  
*Avena abyssinica*, experimental host of TFMV ... 37

### B

- barley, powdery mildew resistance of ..... 135  
biocontrol, mechanism of ..... 128  
biological control on the basis of *Trichoderma*  
spp. ..... 63  
black nightshade, emergence of ..... 94  
blue mold, inhibited by *Trichoderma* spp. ..... 128  
*Blumeria graminis* (DC.) f.sp. *tritici* ..... 87  
*Blumeria graminis* f.sp. *hordei* ..... 135  
*Bromus mollis*, experimental host of TFMV ..... 37

### C

- cereal aphids, their parasitisation ..... 49  
*Chenopodium quinoa*, seedling damping-off of .... 5  
*Cherry leaf roll virus* ..... 121  
control of plant parasitic nematodes ..... 21

### D

- DNA polymorphism of *Blumeria graminis* f.sp.  
*tritici* ..... 87

### E

- Erynia neoaphidis* ..... 54  
*Erysiphe graminis* f.sp. *hordei* ..... 135

### F

- fecundity of *Tetranychus urticae* ..... 141  
field managements and abundance of cereal  
aphids ..... 82  
fructosebisphosphatase ..... 101  
fruit tree tortrix moth ..... 75  
*Fusarium* spp. ..... 5

### G

- genetic variation of *Solanum nigrum* ..... 94  
glutathione metabolism in pea and wheat plants ... 16  
glutathione reductase, changes caused by  
antrazine in plants ..... 16  
glutathione S-transferase, changes caused  
by antrazine in plants ..... 16  
gray mold inhibited by *Pseudomonas* spp. ..... 128

### H

- Hordeum vulgare*, interactions with powdery  
mildew fungi ..... 135

### I

- insecticidal activity of plant extracts ..... 146

### M

- medicinal plants, potential insecticidal activity  
of ..... 146  
*Metopolophium dirhodum* ..... 54  
molecular basis of weed resistance  
to herbicides ..... 151  
*Myrobalan latent ringspot virus* ..... 121

### N

- Nicotiana tabacum* L. cv. Samsun, PVY-RNA  
biosynthesis in ..... 101

### O

- organic amendments in the control of nematodes .. 21  
origin and spread of resistant weeds ..... 151

### P

- parasitoids on cereal aphids ..... 49  
pasta, infestation by *Sitophilus oryzae* ..... 107  
PCR, identification of *Xiphinema vuittenezi* by ... 1  
pea, changes caused by atrazine in ..... 16  
6-phosphofructokinase ..... 101  
*Penicillium expansum* inhibited by *Pseudomonas*  
spp. ..... 128  
*Periplaneta australasiae* ..... 11  
plant extracts, insecticidal activity of ..... 146

---

plant parasitic nematodes, their control	
by organic amendments .....	21
plant picorna-like virus, genomics sequence of ...	113
potyvirus on yellow oat grass .....	37
powdery mildew in barley .....	135
<i>Pyracantha coccinea</i> .....	42
pyruvate kinase .....	101
<i>Pythium</i> spp. .....	5
<b>R</b>	
resistance of <i>Solanum nigrum</i> to atrazine .....	94
resistance to herbicides .....	151
rice, affected by <i>Rice yellow mottle virus</i> .....	26
<i>Rice yellow mottle virus</i> .....	26
<b>S</b>	
seedlings damping-off of <i>Chenopodium quinoa</i> .....	5
<i>Sitophilus oryzae</i> .....	107
<i>Sobemovirus</i> .....	26
<i>Solanum nigrum</i> L. .....	94
<i>Spilocaea pyracanthae</i> .....	42
spider mite .....	141
<i>Spodoptera littoralis</i> .....	146
<i>Strawberry latent ringspot virus</i> .....	121
<b>T</b>	
<i>Tetranychus urticae</i> .....	141
thermal constants of <i>Periplaneta australasiae</i> ...	11
<i>Trisetum flavescens</i> mosaic virus on yellow	
oat-grass .....	31
<i>Trichoderma</i> spp. in plant protection .....	63
<b>W</b>	
<i>Waikavirus</i> .....	113
weed resistance to herbicides .....	151
wheat, changes caused by atrazine .....	16
winter barley cultivars, their powdery	
resistance genes .....	135
winter wheat, parasitism of cereal aphids .....	49
– –, cereal aphids in different field management ....	82
<b>X</b>	
<i>Xiphinema vuittenezi</i> .....	1
<b>Y</b>	
yellow oat-grass virus .....	37