

## INDEX OF VOLUME 40 (2004)

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

|                                                                                                                                                                                                     |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| ŠVEC M., MIKLOVIČOVÁ M., ŠUDYOVÁ V., HUDCOVICOVÁ M., HAUPTVOGEL P., KRAIC J.<br>Powdery mildew resistance in some <i>Aegilops</i> species .....                                                     | 87     |
| SHORT COMMUNICATION                                                                                                                                                                                 |        |
| PAVELA R., CHERMENSKAYA T.<br>Potential insecticidal activity of extracts from 18 species of medicinal plants on larvae<br>of <i>Spodoptera littoralis</i> .....                                    | 145    |
| MITEVA L.P-E., IVANOV S.V., ALEXIEVA V.S., KARANOV E.N.<br>Effect of atrazine on glutathione levels glutathione S-transferase and glutathione<br>reductase activities in pea and wheat plants ..... | 16     |
| ŠINDELÁŘ L., ŠINDELÁŘOVÁ M.<br>Regulation of metabolic pathways PVY-RNA biosynthesis in tobacco: glycolytic pathway ...                                                                             | 101    |
| REVIEW                                                                                                                                                                                              |        |
| AGBENIN O. N.<br>Potentials of organic amendments in the control of plant parasitic nematodes .....                                                                                                 | 21     |
| BANWO O.O., ALEGBEJO M.D., ABO M.E.<br><i>Rice yellow mottle virus</i> genus <i>Sobemovirus</i> : a continental problem in Africa .....                                                             | 26     |
| BROŽOVÁ J.<br>Mycoparasitic fungi <i>Trichoderma</i> spp. in plant protection .....                                                                                                                 | 63     |
| CHODOVÁ D., MIKULKA J., KOČOVÁ M., SALAVA J.<br>Origin, mechanism and molecular basic of weed resistance to herbicides .....                                                                        | 151    |
| NEW AND UNUSUAL REPORTS                                                                                                                                                                             |        |
| STEJSKAL V., KUČEROVÁ Z., LUKÁŠ J.<br>Evidence and symptoms of pasta infestation by <i>Sitophilus oryzae</i> ( <i>Curculionidae</i> ; <i>Coleoptera</i> )<br>in the Czech Republic .....            | 107    |
| BIOGRAPHICAL NOTICE                                                                                                                                                                                 |        |
| BARTOŠ P.<br>Doc. Ing. Jozef Huszár, DrSc., is sixty .....                                                                                                                                          | 112    |
| SUPPLEMENT                                                                                                                                                                                          |        |
| GAAR V.<br>Plant Health Care Terminology – 20. Characteristics of nematodes .....                                                                                                                   | I/2    |
| NOVÁK I., HONĚK A.<br>Plant Health Care Terminology – 18. Relationship animal – feed .....                                                                                                          | I/1    |
| HEROLDOVÁ M., ZEJDA J., ZAPLETAL M.<br>Plant Health Care Terminology – 19. Mammals .....                                                                                                            | XVII/1 |
| KŮDELA V.<br>Plant Health Care Terminology – 21. Post-harvest plant pathology .....                                                                                                                 | I/3    |
| KŮDELA V.<br>Plant Health Care Terminology – 22. Certification of phatogen-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  
 DYKI, 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 activity 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
- fructosebiphosphatase ..... 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 atrazine in plants ..... 16
- glutathione S-transferase, changes caused by atrazine 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                 |     | <i>Strawberry latent ringspot virus</i> .....            | 121 |
| by organic amendments .....                              | 21  |                                                          |     |
| plant picorna-like virus, genomics sequence of ...       | 113 | <b>T</b>                                                 |     |
| potyvirus on yellow oat grass .....                      | 37  | <i>Tetranychus urticae</i> .....                         | 141 |
| powdery mildew in barley .....                           | 135 | thermal constants of <i>Periplaneta australasiae</i> ... | 11  |
| <i>Pyracantha coccinea</i> .....                         | 42  | <i>Trisetum flavescens</i> mosaic virus on yellow        |     |
| pyruvate kinase .....                                    | 101 | oat-grass .....                                          | 31  |
| <i>Pythium</i> spp. ....                                 | 5   | <i>Trychoderma</i> spp. in plant protection .....        | 63  |
| <b>R</b>                                                 |     | <b>W</b>                                                 |     |
| resistance of <i>Solanum nigrum</i> to atrazine .....    | 94  | <i>Waikavirus</i> .....                                  | 113 |
| resistance to herbicides .....                           | 151 | weed resistance to herbicides .....                      | 151 |
| rice, affected by <i>Rice yellow mottle virus</i> .....  | 26  | wheat, changes caused by atrazine .....                  | 16  |
| <i>Rice yellow mottle virus</i> .....                    | 26  | winter barley cultivars, their mildew powdery            |     |
| <b>S</b>                                                 |     | resistance genes .....                                   | 135 |
| seedlings damping-off of <i>Chenopodium quinoa</i> ..... | 5   | winter wheat, parasitism of cereal aphids .....          | 49  |
| <i>Sitophilus oryzae</i> .....                           | 107 | –, cereal aphids in different field management ....      | 82  |
| <i>Sobemovirus</i> .....                                 | 26  | <b>X</b>                                                 |     |
| <i>Solanum nigrum</i> L. ....                            | 94  | <i>Xiphinema vuittenezi</i> .....                        | 1   |
| <i>Spilocaea pyracanthae</i> .....                       | 42  | <b>Y</b>                                                 |     |
| spider mite .....                                        | 141 | yellow oat-grass virus .....                             | 37  |
| <i>Spodoptera littoralis</i> .....                       | 146 |                                                          |     |