

Short CV

CHRISTOS G. ATHANASSIOU

Work and contact address in Greece

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Professional Experience

2002-2005: Hellenic Ministry of Rural Development and Food

2005-2009: Lecturer (Agricultural Entomology), Agricultural University of Athens

2007-2009: Visiting scientist/Research Associate: Kansas State University, USDA-ARS, Grain Marketing and Production Research Center (OECD award)

2009-2013: Assistant Professor (Entomology), University of Thessaly

2013-2017: Associate Professor (Entomology), University of Thessaly

2015-2016: Visiting scientist: USDA-ARS, Center for Grain and Animal Health Research (Fulbright Award)

2017-today: Professor (Entomology), University of Thessaly

Research Projects

*Coordinator, PI, Participant etc. in >120 International, EU or National Research Projects (2005-2021, total budget 12 M €)- **twelve recent (2021-today) are given indicatively***

1. “Innovative feeds with meals from insect, which will be reared on a substrate enriched with functional ingredients of aromatic and medicinal plants of the Greek flora, for reared seabream, broiler chickens and piglets/InsectFeedAroma” (2020-2023, funded by GSRT/Research-Creat-Innovate).
2. “Evaluation of nitrogen as an alternative to phosphine for the control of stored product insects, in conjunction with the assessment of the level of resistance to phosphine of stored product insect populations in Greece/DEPhosphine” (2020-2023, funded by GSRT/Research-Creat-Innovate).
3. “Using diatomaceous earth in stored product protection/DiatomiteThem” (2020-2023, funded by GSRT/Research-Creat-Innovate).
4. “Production of functional rice by absorption of micronutrients/NutriRice” (2020-2023, funded by GSRT/Research-Creat-Innovate).
5. “Exploitation of the by-products of the cleaning process of cereal and legume seeds for the mass-rearing of insects: circular economy in practice/Waste4Bugs” (2020-2023, funded by GSRT/Research-Creat-Innovate).
6. “Using smart traps and pheromones to control the gypsy moth: ecofriendly control in practice- LIFE20/ENV/GR/000801” (2021-2024, funded by EU).
7. “Next-Generation Approaches for Monitoring and Management of Stored Product Insects” (2021-2025, funded by USDA-ARS).
8. “Cooperation- Public- Private Dialogue in the Egyptian Grain Sector” (2021-2022, funded by FAO/UN/EBRD/European Bank)
9. “Advanced agroecological approaches based on the integration of insect farming with local feed practices in Mediterranean countries- ADVAGROMED” (2022-2025, funded by PRIMA/EU).
10. “Application of extreme temperatures in dried figs, dates and currants: sustainability in practice- GreenDriedFruits” (2022-2025, funded by PRIMA/EU)

Teaching

Undergraduate: General and Systematic Entomology, Agricultural Entomology, Applied Entomology, Stored-Product Protection, Crop Protection

Postgraduate: Strategies for insect control, Insect Ecology, Protocols in Crop Protection

Other: I have been invited to give seminars for under/postgraduate courses in different Universities (>30 countries), and also in numerous national and international bodies (CEPA, USDA, USAID, UN/FAO, EFSA, Kansas State University, Oklahoma State University etc.).

Scholarships, awards, distinctions, scientific organizations membership, etc.

1. Scholarship from the **Hellenic Scholarship Foundation** for post-doctoral research (2001-2002).
2. Fellowship from the **Organization for Economic Cooperation and Development (OECD)** for research in USDA-ARS.
3. Fellowships (2004 and 2005) under the Short Term Scientific Missions (STSM) of COST Action 842.
4. Four fellowships (2010, 2012, 2013, 2017) for research in the US, by US-Forest Service, under the framework of the “**US Forest Service International Programs**”.
5. Scholarship by the Hellenic Ministry of Education, Religious Affairs, Culture and Sports for short term educational and research visit in Czech Republic (2012).
6. Elected as a Convenor of the **International Organization for Biological Control (IOBC/WPRS)** Working Group on “Integrated Protection of Stored Products” (2007-2013).
7. **Scholarship/Award from the Fulbright Foundation** for research in USA (USDA-ARS-CGAHR), for the academic year 2015-2016.
8. **Award Outreach Lecturing Fund (OLF)** from **Institute of International Education (IIE/CIES) of USA** (2015), for teaching/seminars in US Universities.
9. Member of the **IOBC**, Entomological Society of America, Hellenic Entomological Society, **Fulbright Alumni Association**.
10. Invited speaker, organizer, chair etc. in >80 international conferences.

Editor-Editorial Board

1. **Editor in Chief** for the Journal of Stored Products Research (2015-today, Elsevier).
2. **Subject Editor** for the Journal of Pest Science (2010-today, Springer).
3. **Subject Editor** and **interim Editor in Chief** for the Journal of Insect Science (2015-σήμερα, Oxford/Entomological Society of America).
4. **Associate Editor** for Frontiers in Ecology and Evolution (2015- today), Journal of Plant Diseases and Protection (2019- today, Springer), Heliyon (2022- today, Elsevier) and **Review Editor** for Frontiers in Physiology (2020- today), **Editorial Board** member for Insects (2019- today, MDPI) and Journal of Natural Pesticides (2022- today, Elsevier).
5. **Section Editor in Chief** for Agronomy (2021- today, MDPI), **Editor in Chief** for Agrochemicals (2022- today, MDPI).

Reviewer, student supervisor, external expert, other

- **Reviewer** for >500 papers in >140 journals, supervisor/co-supervisor of 12 PhD students in Greece, and internationally
- External reviewer for **In Depth Review (IDR)** of scientists’ promotions (12 countries: USA, Denmark, Canada, Germany etc.), >60 times evaluator in Greece
- **International Board Member** for Crop Research Institute (Czech Republic).
- **External international expert/advisor** of several organizations, such as **FAO/UN, USDA-ARS, USAID/CNFA** etc.
- Reviewer of proposals/coordinator of reviewing panels for proposals (approx. 30/year): **Russian Science Foundation** (Russia), **HORIZON 2020** (EU), **Einstein Foundation** (Germany), **Marie Skłodowska-Curie** (EU), etc.
- **>12000** citations (October 2022, h-index = 45, g-index (google) = 57, i10 index = 265).

Publications

Peer-reviewed Journal papers: 452, books: 2, book chapters: 9, other publications (in conferences etc.): 448.

List of peer reviewed journal publications

1. **Buchelos C. Th. and Athanassiou C. G. (1993a).** Dominance and Frequency of Coleoptera found on stored cereals and cereal products in central Greece. *Entomologia Hellenica* 11: 17-22.
2. **Buchelos C. Th. and Athanassiou C. G. (1993b).** First Record of *Alphitophagus bifasciatus* (Say) (Coleoptera: Tenebrionidae) from Greece; Its Occurrence in Cereal Product Stores. *Entomologia Hellenica* 11: 41-42.
3. **Buchelos C. Th. and Athanassiou C. G. (1995).** Three new species of the genus *Cryptophagus* (Coleoptera: Cryptophagidae) recorded for the first time in Greece. *Annl. Inst. Phytopath. Benaki* 17: 145-147.
4. **Buchelos C. Th. and Athanassiou C. G. (1998).** Beetle species in store-rooms of Central and Southern Greece containing grain, flour, bran and hay: A survey of 44 species. *Annl. Inst. Phytopath. Benaki* 18: 129-133.
5. **Buchelos C. Th. and Athanassiou C. G. (1999).** Unbaited probe traps and grain trier: a comparison of the two methods for sampling Coleoptera in stored barley. *Journal of Stored Products Research* 35: 397-404.
6. **Buchelos C. Th., Athanassiou C. G., Papapostolou C. C. and A. Georgiou (1999).** Correlation between the number of adult male *Pectinophora gossypiella* (Saund.) (Lep., Gelechiidae) catches on pheromone traps and the rate of infestation in fruiting bodies of cotton plants by young larvae in three regions of central Greece. *Journal of Applied Entomology* 123: 433-436.
7. **Athanassiou C. G. and Buchelos C. Th. (2000a).** Comparison of four methods for the detection of Coleoptera adults infesting stored wheat: efficiency and detection sensitivity. *Anzeiger für Schädlingskunde Pflanzenschutz Umweltschutz/ Journal of Pest Science* 73: 129-133.
8. **Athanassiou C. G. and Buchelos C. Th. (2000b).** Assessment of three killing agents' impact on the capturing of Coleoptera species infesting stored wheat. *Anzeiger für Schädlingskunde Pflanzenschutz Umweltschutz/ Journal of Pest Science* 73: 148-151.
9. **Athanassiou C. G. and Buchelos C. Th. (2001a).** The presence of *Sitophilus zeamais* Motschulsky 1855 (Coleoptera: Curculionidae) in Greece: Distribution and food preferences. *Annl. Inst. Phytopath. Benaki* 19: 140-144.
10. **Athanassiou C. G. and Buchelos C. Th. (2001b).** Detection of stored-wheat beetle species and estimation of population density using unbaited probe traps and grain trier samples. *Entomologia Experimentalis et Applicata* 98: 67-78.
11. **Athanassiou C. G. (2001).** Influence of killing agents and water on the capture of six Coleoptera species in probe traps. *Phytoparasitica* 29: 367-372.
12. **Kavallieratos N. G., Lycouressis D. P., Sarlis G. P., Stathas G. J., Sanchis Segovia A. and Athanassiou C. G. (2001).** The Aphidiinae (Hymenoptera: Ichneumonoidea: Braconidae) of Greece. *Phytoparasitica* 29: 306-340.
13. **Athanassiou C. G., Palyvos N. E., Eliopoulos P. A. and Papadoulis G. T. (2001).** Distribution and migration of insects and mites in flat storage containing wheat. *Phytoparasitica* 29: 379-392.
14. **Athanassiou C. G. and Buchelos C. Th. (2001-2002).** Prediction of infestation by beetles in stored wheat using two sampling methods. *Entomologia Hellenica* 14: 19-31.
15. **Deligeorgidis P., Athanassiou C. G. and Kavallieratos N. G. (2002).** Seasonal abundance, spatial distribution and sampling indices of thrip populations on cotton; a four year survey from central Greece. *Journal of Applied Entomology* 126: 343-348.

16. **Kavallieratos N. G., Stathas G. J., Athanassiou C. G. and Papadoulis G. T. (2002).** *Dittrichia viscosa* and *Rubus ulmifolius* as reservoirs of aphid parasitoids (Hymenoptera: Braconidae: Aphidiinae) and the role of certain coccinellid species. *Phytoparasitica* 30: 231-242.
17. **Kavallieratos N. G., Athanassiou C. G., Stathas G. J. and Tomanovic Z. (2002).** Aphid parasitoids (Hymenoptera: Braconidae: Aphidiinae) on citrus: seasonal abundance, association with the species of host plant and sampling indices. *Phytoparasitica* 30: 365-377.
18. **Athanassiou C. G., Kavallieratos N. G., Gravanis F. T., Koukounitsas N. A. and Roussou D. E. (2002).** Influence of trap type, pheromone quantity and trapping location, on capture of the pink bollworm, *Pectinophora gossypiella* (Saunders) (Lepidoptera: Gelechiidae). *Applied Zoology and Entomology* 37: 385-391.
19. **Athanassiou C. G., Palyvos N. E., Eliopoulos P. A. and Papadoulis G. T. (2002).** Mites associated with stored seed cotton and related products in Greece. *Phytoparasitica* 30: 387-394.
20. **Athanassiou C. G., Kavallieratos N. G., Ragkou V. S. and Buchelos C. Th. (2003).** Seasonal abundance and spatial distribution of the predator *Macrolophus costalis* and its prey *Myzus persicae* on tobacco. *Phytoparasitica* 31: 8-18.
21. **Athanassiou C. G., Kavallieratos N. G., Palyvos N. E., Buchelos C. Th. (2003).** Evaluation of a multisurface trap for the capture of *Ephestia kuehniella* in stored wheat. *Phytoparasitica* 31: 39-50.
22. **Kavallieratos N. G., Athanassiou C. G. and Tomanovic Z. (2003).** A new species and a key to Greek *Praon* Haliday (Hymenoptera: Braconidae: Aphidiinae). *Deutsche Entomologische Zeitschrift* 50: 13-22.
23. **Athanassiou G. G., Kavallieratos N. G., Tsaganou F., Vayias B., Dimizas K. and Buchelos C. Th. (2003).** Effect of grain type on the insecticidal efficacy of SilicoSec against *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae). *Crop Protection* 22: 1141-1147.
24. **Athanassiou C. G., Kavallieratos N. G., Palyvos N. E. and Buchelos C. Th. (2003).** Three-dimensional distribution and sampling indices of insects and mites in horizontally-stored wheat. *Applied Entomology and Zoology* 38: 413-426.
25. **Eliopoulos P. A., Harvey J. A., Athanassiou C. G. and Stathas G. J. (2003).** Effect of biotic and abiotic factors on reproductive parameters of the synovigenic endoparasitoid *Venturia canescens*. *Physiological Entomology* 28: 268-275.
26. **Tomanovic Z., Kavallieratos N. G., Athanassiou C. G. and Petrovic O. (2003).** A new *Praon* species (Hymenoptera: Braconidae: Aphidiinae) of the *Uroleucon* parasitoid complex from the Mediterranean area. *Phytoparasitica* 31: 19-26.
27. **Tomanovic Z., Kavallieratos N. G., Athanassiou C. G. and Stanisavljevic L. Z. (2003).** A review of the West Palaearctic aphidiines (Hymenoptera: Braconidae: Aphidiinae) parasitic on *Uroleucon* spp. with the description of a new species. *Annales de la Societe Entomologique de France* 39: 343-353.
28. **Tomanović Ž., Kavallieratos N. G., Starý P., Athanassiou C. G., Žikić V., Petrović-Obradović O. and Sarlis G. P. (2003).** *Aphidius* Nees aphid parasitoids (Hymenoptera: Braconidae: Aphidiinae) in Serbia and Montenegro: tritrophic associations and key. *Acta Entomologica Serbica* 8: 15-39.
29. **Athanassiou C. G., Papagregoriou A. S. and Buchelos C. Th. (2004).** Insecticidal and residual effect of three pyrethroids against *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae) on stored wheat. *Journal of Stored Products Research* 40: 289-297.
30. **Ragkou V. S., Athanassiou C. G., Kavallieratos N. G. and Tomanovic Z. (2004).** Daily consumption and predation rate of different *Stethorus punctillum* instars feeding on *Tetranychus urticae*. *Phytoparasitica* 32: 154-159.
31. **Athanassiou C. G., Kavallieratos N. G. and Mazomenos B. E. (2004).** Effect of trap type, trap color, trapping location and pheromone dispenser on captures of male *Palpita unionalis* (Lepidoptera: Pyralidae). *Journal of Economic Entomology* 97: 321-329.

32. **Tomanovic Z., Kavallieratos N. G., Athanassiou C. G., Petrovic O. and Stanisavljevic L. Z. (2004).** A new *Aphidius* species (Hymenoptera: Braconidae: Aphidiinae) from high-montane areas of southeastern Europe. *Phytoparasitica* 32: 221-225.
33. **Vayias B. J. and Athanassiou C. G. (2004).** Factors affecting the insecticidal efficacy of the diatomaceous earth formulation SilicoSec against adults and larvae of the confused flour beetle, *Tribolium confusum* Du Val (Coleoptera: Tenebrionidae). *Crop Protection* 23: 565-573.
34. **Mazomenos B. E., Athanassiou C. G., Kavallieratos N. G. and Mylonas P. (2004).** Evaluation of the major female *Eurytoma amygdali* sex pheromone components (Z,Z)-6,9-tricosadiene and (Z,Z)-6,9-pentacosadiene for male attraction in field tests. *Journal of Chemical Ecology* 30: 1245-1255.
35. **Papadopoulou S. M. and Athanassiou C. G. (2004).** *Lariophagus distinguendus* (F.) (Hyme., Chalcidoidea, Pteromalidae), an ectoparasitoid of *Lasioderma serricorne* (F.) (Col., Anobiidae), found for the first time in tobacco stores in Greece. *Journal of Pest Science* 77: 183-184.
36. **Athanassiou C. G., Kavallieratos N. G., Vayias B. J., Dimizas C. B., Papagregoriou A. S. and Buchelos C. Th. (2004).** Residual toxicity of beta cyfluthrin, alpha cypermethrin and deltamethrin against *Tribolium confusum* Jacquelin du Val (Coleoptera: Tenebrionidae) on stored wheat. *Applied Entomology and Zoology* 39: 195-202.
37. **Tsaganou F. C., Hodson C., Athanassiou C. G., Kavallieratos N. G. and Tomanovic Z. (2004).** Effect of *Aphis gossypii* Glover, *Brevicoryne brassicae* (L.) and *Megoura viciae* Buckton (Hemiptera: Aphidoidea) on the development of the predator *Harmonia axyridis* (Pallas) (Coleoptera: Coccinellidae). *Biological Control* 31: 138-144.
38. **Kavallieratos N. G., Tomanovic Z., Stary P., Athanassiou C. G., Sarlis G. P., Petrovic O., Niketic M. and Anagnou-Veroniki M. A. (2004).** A survey of aphid parasitoids (Hymenoptera: Braconidae: Aphidiinae) of Southeastern Europe and their aphid-plant associations. *Applied Entomology and Zoology* 39: 527-563.
39. **Kavallieratos N. G., Athanassiou C. G., Tomanovic Z., Papadopoulos G. D. and Vayias B. J. (2004).** Seasonal abundance and effect of predators (Coleoptera: Coccinellidae) and parasitoids (Hymenoptera: Braconidae: Aphidiinae) on *Myzus persicae* (Hemiptera: Aphidoidea) densities on tobacco: a two-year study from central Greece. *Biologia* 59: 613-619.
40. **Athanassiou C. G., Kavallieratos N. G. and Andris N. S. (2004).** Insecticidal effect of three diatomaceous earth formulations against adults of *Sitophilus oryzae* (Coleoptera: Curculionidae) and *Tribolium confusum* (Coleoptera: Tenebrionidae) on oat, rye and triticale. *Journal of Economic Entomology* 97: 2160-2167.
41. **Athanassiou C. G., Vayias B. J., Dimizas C. B., Kavallieratos N. G., Papagregoriou A. S. and Buchelos C. Th. (2005).** Insecticidal efficacy of diatomaceous earth against *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae) and *Tribolium confusum* Du Val (Coleoptera: Tenebrionidae) on stored wheat: influence of dose rate, temperature and exposure interval. *Journal of Stored Products Research* 41: 47-55.
42. **Kavallieratos N. G., Tomanovic Z., Stary P., Athanassiou C. G., Fasseas C., Petrovic O., Stanisavljevic L. Z. and Anagnou-Veroniki M. A. (2005).** *Praon Haliday* (Hymenoptera: Braconidae: Aphidiinae) of southeastern Europe: key, host range and phylogenetic relationships. *Zoologischer Anzeiger* 243: 181-209.
43. **Athanassiou C. G., Kavallieratos N. G., Palyvos N. E., Sciarretta A. and Trematerra P. (2005).** Spatiotemporal distribution of insects and mites in horizontally stored wheat. *Journal of Economic Entomology* 98: 1058-1069.
44. **Kavallieratos N. G., Athanassiou C. G., Paschalidou F. G., Andris N. S. and Tomanovic Z. (2005).** Influence of grain type on the insecticidal efficacy of two

- diatomaceous earth formulations against *Rhyzopertha dominica* (F.) (Coleoptera: Bostrychidae). *Pest Management Science* 61: 660-666.
45. Athanassiou C. G. and Kavallieratos N. G. (2005). Insecticidal effect and adherence of PyriSec® in different grain commodities. *Crop Protection* 24: 703-710.
 46. Athanassiou C. G., Kavallieratos N. G., Economou L. P., Dimizas C. B., Vayias B. J., Tomanovic S. and Milutinovic M. (2005). Persistence and efficacy of three diatomaceous earth formulations against *Sitophilus oryzae* (Coleoptera: Curculionidae) on wheat and barley. *Journal of Economic Entomology* 98: 1404-1412.
 47. Kavallieratos N. G., Athanassiou C. G., Tomanovic Z., Sciarretta A., Trematerra P. and Zikic V. (2005). Seasonal occurrence, distribution and sampling indices for *Myzus persicae* (Hemiptera: Aphidoidea) and its parasitoids (Hymenoptera: Braconidae: Aphidiinae) on tobacco. *European Journal of Entomology* 102: 459-468.
 48. Athanassiou C. G., Kavallieratos N. G., Tomanovic Z., Tomanovic S. and Milutinovic M. (2005). Development of a sampling plan for *Myzus persicae* (Hemiptera: Aphidoidea) and its predator *Macrolophus costalis* (Hemiptera: Miridae) on tobacco. *European Journal of Entomology* 102: 399-405.
 49. Athanassiou C. G., Kontodimas D. C., Kavallieratos N. G. and Anagnou-Veroniki M. A. (2005). Insecticidal effect of NeemAzal against three stored-product beetle species on rye and oats. *Journal of Economic Entomology* 98: 1733-1738.
 50. Kavallieratos N. G., Athanassiou C. G., Balotis G. N., Tatsi G. T. and Mazomenos B. E. (2005). Factors affecting male *Prays oleae* (Lepidoptera: Yponomeutidae) captures in pheromone-baited traps in olive orchards. *Journal of Economic Entomology* 98: 1499-1505.
 51. Kavallieratos N. G., Tomanovic Z., Athanassiou C. G., Stary P., Zikic V., Sarlis G. P. and Fasseas C. (2005). Aphid parasitoids infesting cotton, citrus, tobacco and cereal crops in southeastern Europe: aphid-plant associations and keys. *Canadian Entomologist* 137: 516-531.
 52. Tomic M., Tomanovic Z., Kavallieratos N. G., Stary P., Athanassiou C. G., Tomic V. and Lucic L. (2005). Morphological variability of several biotypes of *Ephedrus plagiator* (Nees, 1811) (Hymenoptera: Braconidae: Aphidiinae) and description of a new species. *Zoologischer Anzeiger* 244: 153-162.
 53. Palyvos N. E., Athanassiou C. G. and Kavallieratos N. G. (2006). Acaricidal effect of a diatomaceous earth formulation against *Tyrophagus putrescentiae* (Astigmata: Acaridae) and its predator *Cheyletus malaccensis* (Prostigmata: Cheyletidae) in four grain commodities. *Journal of Economic Entomology* 99: 229-236.
 54. Michalaki M. P., Athanassiou C. G., Kavallieratos N. G., Batta Y. A. and Balotis G. N. (2006). Effectiveness of *Metarhizium anisopliae* (Metschnikoff) Sorokin applied alone or in combination with diatomaceous earth against *Tribolium confusum* Du Val larvae: Influence of temperature, relative humidity and type of commodity. *Crop Protection* 25: 418-425.
 55. Athanassiou C. G., Kavallieratos N. G. and Trematerra P. (2006). Responses of *Sitophilus oryzae* (Coleoptera: Curculionidae) and *Tribolium confusum* (Coleoptera: Tenebrionidae) to traps baited with pheromones and food volatiles. *European Journal of Entomology* 103: 371-378.
 56. Vayias B. J., Athanassiou C. G., Kavallieratos N. G., Tsesmeli C. D. and Buchelos C. Th. (2006). Persistence and efficacy of two diatomaceous earth formulations and a mixture of diatomaceous earth with natural pyrethrum against *Tribolium confusum* Jacquelin du Val (Coleoptera: Tenebrionidae) on wheat and maize. *Pest Management Science* 62: 456-464.
 57. Vassilakos T. N., Athanassiou C. G., Kavallieratos N. G. and Vayias B. J. (2006). Influence of temperature on the insecticidal effect of *Beauveria bassiana* in combination with diatomaceous earth against *Rhyzopertha dominica* and *Sitophilus oryzae* on stored wheat. *Biological Control* 38: 270-281.

58. **Vayias B. J., Athanassiou C. G. and Buchelos C. Th. (2006).** Evaluation of three diatomaceous earth and one natural pyrethrum formulations against pupae of *Tribolium confusum* Du Val (Coleoptera: Tenebrionidae) on wheat and flour. *Crop Protection* 25: 766-772.
59. **Athanassiou C. G. (2006).** Toxicity of beta cyfluthrin applied alone or in combination with diatomaceous earth against adults of *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae) and *Tribolium confusum* Du Val (Coleoptera: Tenebrionidae) on stored wheat. *Crop Protection* 25: 788-794.
60. **Athanassiou C. G., Kavallieratos N. G., Dimizas C. B., Vayias B. J. and Tomanovic Z. (2006).** Factors affecting the insecticidal efficacy of the diatomaceous earth formulation SilicoSec[®] against adults of the rice weevil, *Sitophilus oryzae* (L.) (Coleoptera; Curculionidae). *Applied Entomology and Zoology* 41: 201-207.
61. **Athanassiou C. G., Kavallieratos N. G., Tsakiri J. B., Xyrafidis S. N. and Vayias B. J. (2006).** Effect of temperature and humidity on insecticidal effect of SilicoSec against *Ephestia kuehniella* (Lepidoptera: Pyralidae) larvae. *Journal of Economic Entomology* 99: 1520-1524.
62. **Athanassiou C. G. (2006).** Influence of instar and commodity on insecticidal effect of two diatomaceous earth formulations against larvae of *Ephestia kuehniella* (Lepidoptera: Pyralidae). *Journal of Economic Entomology* 99: 1905-1911.
63. **Vayias B. J., Athanassiou C. G., Kavallieratos N. G. and Buchelos C. Th. (2006).** Susceptibility of different European populations of *Tribolium confusum* (Coleoptera: Tenebrionidae) to five diatomaceous earth formulations. *Journal of Economic Entomology* 99: 1899-1904.
64. **Athanassiou C. G. and Saitanis C. (2006).** Spatiotemporal clustering and association of *Ephestia kuehniella* (Lepidoptera: Pyralidae) and two of its parasitoids in bulk-stored wheat. *Journal of Economic Entomology* 99: 2191-2201.
65. **Kavallieratos N. G., Athanassiou C. G., Michalaki M. P., Batta Y. A., Rigatos H. A., Pashalidou F. G., Balotis G. N., Tomanovic Z. and Vayias B. J. (2006).** Effect of the combined use of *Metarhizium anisopliae* (Metschnikoff) Sorokin and diatomaceous earth for the control of three stored-product beetle species. *Crop Protection* 25: 1087-1094.
66. **Athanassiou C. G. and Palyvos N. E. (2006).** Laboratory evaluation of two diatomaceous earth formulations against *Blattisocius keegani* Fox (Mesostigmata, Ascidae) and *Cheyletus malaccensis* Oudemans (Prostigmata, Cheyletidae). *Biological Control* 38: 350-355.
67. **Athanassiou C. G., Kavallieratos N. G. and Meletsis C. (2007).** Insecticidal effect of three diatomaceous earth formulations, applied alone or in combination, against three stored-product beetle species on wheat and maize. *Journal of Stored Products Research* 43: 330-334.
68. **Michalaki M. P., Athanassiou C. G., Steenberg T. and Buchelos C. Th. (2007).** Effect of *Paecilomyces fumosoroseus* (Wise) Brown and Smith (Ascomycota: Hypocreales) alone or in combination with diatomaceous earth against *Tribolium confusum* Jacquelin du Val (Coleoptera: Tenebrionidae) and *Ephestia kuehniella* Zeller (Lepidoptera: Pyralidae). *Biological Control* 40: 280-286.
69. **Athanassiou C. G., Kavallieratos N. G., Gakis S. F., Kyrtsa L. A., Mazomenos B. E. and Gravanis F. T. (2006).** Influence of trap type, trap colour, and trapping location on the capture of the pine moth, *Thaumetopoea pityocampa*. *Entomologia Experimentalis et Applicata* 122: 117-123.
70. **Trematerra P., Valente A, Athanassiou C. G. and Kavallieratos N. G. (2006).** Kernel-kernel interactions and behavioural responses of *Sitophilus zeamais* Motschulsky (Coleoptera: Curculionidae). *Applied Entomology and Zoology* 42: 129-135.
71. **Athanassiou C. G., Kavallieratos N. G., Peteinatos G. G., Petrou S. E., Boukouvala M. C. and Tomanovic Z. (2007).** Influence of temperature and

- humidity on insecticidal effect of three diatomaceous earth formulations against the larger grain borer (Coleoptera: Bostrychidae). *Journal of Economic Entomology* 100: 599-603.
72. **Athanassiou C. G. and Steenberg T. (2007).** Insecticidal effect of *Beauveria bassiana* (Balsamo) Vuillemin (Ascomycota: Hypocreales) in combination with three diatomaceous earth formulations against *Sitophilus granarius* (L.) (Coleoptera: Curculionidae). *Biological Control* 40: 411-416.
 73. **Athanassiou C. G. and Korunic Z. (2007).** Evaluation of two new diatomaceous earth formulations, enhanced with abamectin and bitterbarkomycin, against four stored grain beetle species. *Journal of Stored Products Research* 43: 468-473.
 74. **Tomanovic Z., Rakhshani E., Sary P., Kavallieratos N. G., Stanisavljevic L. Z., Zikic V. and Athanassiou C. G. (2007).** Phylogenetic relationships between the genera *Aphidius* and *Lysaphidus* (Hymenoptera: Braconidae: Aphidiinae) with description of *Aphidius iranicus* sp. nov. *The Canadian Entomologist* 139: 297-307.
 75. **Kavallieratos N. G., Athanassiou C. G., Saitanis C. J., Kontodimas D. C., Roussos A. N., Tsoutsas M. S. and Anastassopoulou U. A. (2007).** Effect of two azadirachtin formulations against adults of *Sitophilus oryzae* and *Tribolium confusum* on different grain commodities. *Journal of Food Protection* 70: 1627-1632.
 76. **Athanassiou C. G., Kavallieratos N. G. and Chintzoglou G. (2008).** Effectiveness of spinosad dust against different European populations of the confused flour beetle, *Tribolium confusum* Jacquelin du Val. *Journal of Stored Products Research* 44: 47-51.
 77. **Vayias B. J., Athanassiou C. G. and Buchelos C. Th. (2008).** Evaluation of resistance development by *Tribolium confusum* Du Val (Coleoptera: Tenebrionidae) to diatomaceous earth under laboratory selection. *Journal of Stored Products Research* 44: 162-168.
 78. **Athanassiou C. G., Palyvos N. E. and Kakouli-Duarte T. (2008).** Insecticidal effect of *Steinernema feltiae* (Filipjev) (Nematoda: Steinernematidae) against *Tribolium confusum* Du Val (Coleoptera: Tenebrionidae) and *Ephestia kuehniella* (Zeller) (Lepidoptera: Pyralidae) in stored wheat. *Journal of Stored Products Research* 44: 52-57.
 79. **Kavallieratos N. G., Athanassiou C. G., Mpakou F. D. and Mpassoukou A. E. (2007).** Factors affecting laboratory bioassays with diatomaceous earth on stored wheat: effect of insect density, grain quantity and cracked kernel containment. *Journal of Economic Entomology* 100: 1724-1731.
 80. **Athanassiou C. G., Kavallieratos N. G., Vayias B. J. and Stephou V. K. (2008).** Evaluation of a new, enhanced diatomaceous earth formulation for use against the stored products pest, *Rhyzopertha dominica* (Coleoptera: Bostrychidae). *International Journal of Pest Management* 54: 43-49.
 81. **Kavallieratos N. G., Athanassiou C. G., Vayias B. J. and Maistrou S. (2007).** Influence of temperature on susceptibility of *Tribolium confusum* (Coleoptera: Tenebrionidae) populations to three modified diatomaceous earth formulations. *Florida Entomologist* 90: 616-625.
 82. **Athanassiou C. G., Korunic Z. and Vayias B. J. (2009).** Diatomaceous earths enhance the insecticidal effect of bitterbarkomycin against stored-grain insects. *Crop Protection* 28: 123-127.
 83. **Athanassiou C. G., Kavallieratos N. G. and Mazomenos B. E. (2008).** Almond seed wasp (Hymenoptera: Eurytomidae) sex pheromone: effect of trap type, trap position, blend ratio and time of the day on male attraction. *Bulletin of Entomological Research* 98: 535-541.
 84. **Athanassiou C. G., Kavallieratos N. G., Vayias B. J. and Panoussakis E. N. (2008).** Influence of grain type on the susceptibility of different *Sitophilus oryzae* (L.) populations, obtained from different rearing media, to three diatomaceous earth formulations. *Journal of Stored Products Research* 44: 279-284.

85. **Kavallieratos N. G., Athanassiou C. G. and Vayias B. J., Mihail S. B. and Tomanovic Z. (2009).** Insecticidal efficacy of abamectin against three stored-product insect pests: Influence of dose rate, temperature, commodity and exposure interval. *Journal of Economic Entomology* 102: 1352-1359.
86. **Athanassiou C. G., Kavallieratos N. G., Yiatilis A. E., Vayias B. J., Mavrotas C. S. and Tomanovic Z. (2008).** Influence of temperature and humidity on the efficacy of spinosad against four stored-grain beetle species. *Journal of Insect Science* 8: article number 60.
87. **Athanassiou C. G., Kavallieratos N. G., Chintzoglou G. J., Peteinatos G. G., Boukouvala M. C., Petrou S. S. and Panoussakis E. C. (2008).** Effect of temperature and commodity on insecticidal efficacy of spinosad dust against *Sitophilus oryzae* (Coleoptera: Curculionidae) and *Rhyzopertha dominica* (Coleoptera: Bostrychidae). *Journal of Economic Entomology* 101: 976-981.
88. **Chintzoglou G., Athanassiou C. G. and Arthur F. H. (2008).** Insecticidal effect of spinosad dust, in combination with diatomaceous earth, against two stored-grain beetle species. *Journal of Stored Products Research* 44: 347-353.
89. **Athanassiou C. G., Kavallieratos N. G., Vayias B. J., Tsakiri J. B., Mikeli N. H., Meletsis C. M. and Tomanovic Z. (2008).** Persistence and efficacy of *Metarhizium anisopliae* (Metschnikoff) Sorokin (Deuteromycotina: Hyphomycetes) and diatomaceous earth against *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae) and *Rhyzopertha dominica* (F.) (Coleoptera: Bostrychidae) on wheat and maize. *Crop Protection* 27: 1303-1311.
90. **Tomanovic Z., Kavallieratos N. G., Stary P., Stanisavlevic L. J., Cetkovic A., Stamenkovic S., Jovanovic S. and Athanassiou C. G. (2009).** Regional tritrophic relationship patterns of five aphid parasitoid species (Hymenoptera: Braconidae: Aphidiinae) in agroecosystem-dominated landscapes of southeastern Europe. *Journal of Economic Entomology* 102: 836-854 (Forum paper).
91. **Chintzoglou G. J., Athanassiou C. G., Markoglou A. N. and Kavallieratos N. G. (2008).** Influence of commodity on the effect of spinosad dust against *Rhyzopertha dominica* (F.) (Coleoptera: Bostrychidae) and *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae). *International Journal of Pest Management* 54: 277-285.
92. **Tomanovic Z., Kavallieratos N. G., Stary P., Petrovic-Obradovic O., Athanassiou C. G. and Stanisavlevic L. Z. (2008).** Cereal aphids (Hemiptera: Aphidoidea) in Serbia: Seasonal dynamics and natural enemies. *European Journal of Entomology* 105: 495-501.
93. **Vayias B. J., Athanassiou C. G., Milonas D. N. and Mavrotas C. (2009).** Activity of spinosad against three stored-product beetle species on four grain commodities. *Crop Protection* 28: 561-566.
94. **Vayias B. J., Athanassiou C. G. and Buchelos C. Th. (2009).** Effectiveness of spinosad combined with diatomaceous earth against different European strains of *Tribolium confusum* du Val (Coleoptera: Tenebrionidae): Influence of commodity and temperature. *Journal of Stored Products Research* 45: 165-176.
95. **Athanassiou C. G., Arthur F. H., Opit G. P. and Throne J. E. (2009).** Insecticidal effect of diatomaceous earth against three species of stored-product psocids on maize, rice and wheat. *Journal of Economic Entomology* 102: 1673-1680.
96. **Athanassiou C. G., Arthur F. H. and Throne J. E. (2009).** Efficacy of grain protectants against four psocid species on maize, rice and wheat. *Pest Management Science* 65: 1140-1146.
97. **Vayias B. J., Athanassiou C. G., Korunic Z. and Rozman V. (2009).** Evaluation of natural diatomaceous earth deposits from south-eastern Europe for stored-grain protection: The effect of particle size. *Pest Management Science* 65: 1118-1123.
98. **Athanassiou C. G., Arthur F. H. and Throne J. E. (2009).** Efficacy of spinosad in layer-treated wheat against five stored-product insect species. *Journal of Stored Products Research* 45: 236-240.

99. Athanassiou C. G., Nansen C. and Vayias B. J. (2009). Spatial and non-spatial analyses of insect counts in bulk-stored barley. *Bulletin of Entomological Research* 100: 395-403.
100. Kavallieratos N. G., Athanassiou C. G., Vayias B. J. and Betsi P. C. C. (2010). Insecticidal efficacy of fipronil against four stored-product insect pests: Influence of commodity, dose, exposure interval, relative humidity and temperature. *Pest Management Science* 66: 640-649.
101. Athanassiou C. G., Arthur F. H. and Throne J. E. (2010). Effect of short exposures to spinosad-treated wheat or maize on four stored-grain insects. *Journal of Economic Entomology* 103: 197-202.
102. Kavallieratos N.G., Athanassiou C. G., Vayias B. J., Kotzamanidis S. and Synodis S. D. (2010). Efficacy and adherence ratio of diatomaceous earth and spinosad in three wheat varieties against three stored-product insect pests. *Journal of Stored Products Research* 46: 73-80.
103. Vayias B. J., Athanassiou C. G., Milonas D. N. and Mavrotas C. (2010). Persistence and efficacy of spinosad on wheat, maize and barley grains against four major stored product pests. *Crop Protection* 29: 496-505.
104. Athanassiou C. G., Kavallieratos N. G., Menti H. and Karanastasi E. (2010). Mortality of four stored product pests in stored wheat when exposed to doses of three entomopathogenic nematodes. *Journal of Economic Entomology* 103: 977-984.
105. Athanassiou C. G., Opit G. P. and Throne J. E. (2010). Influence of commodity type, percentage of cracked kernels, and wheat class on population growth of stored-product psocids (Psocoptera: Liposcelidae). *Journal of Economic Entomology* 103: 985-990.
106. Rojht H., Horvat A., Athanassiou C. G., Vayias B. J., Tomanovic Z. and Trdan S. (2010). Impact of geochemical composition of diatomaceous earth on its insecticidal activity against adults of *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae). *Journal of Pest Science* 83: 429-436.
107. Athanassiou C. G., Arthur F. H., Kavallieratos N. G. and Throne J. E. (2011). Efficacy of spinosad and methoprene, applied alone or in combination, against six stored-product insect species. *Journal of Pest Science* 84: 61-67.
108. Rojht H., Athanassiou C. G., Vayias B. J., Kavallieratos N. G., Tomanovic Z., Vidrih M., Kos K. and Trdan S. (2010). The effect of diatomaceous earth of different origin, temperature and relative humidity against adults of rice weevil (*Sitophilus oryzae* [L.] (Coleoptera, Curculionidae) in stored wheat. *Acta Agriculturae Slovenica* 95: 13-20.
109. Athanassiou C. G., Arthur F. H. and Throne J. E. (2010). Efficacy of layer treatment with methoprene for control of *Rhyzopertha dominica* (Coleoptera: Bostrychidae) on wheat, rice and maize. *Pest Management Science* 67: 380-384.
110. Athanassiou C. G., Arthur F. H. and Throne J. E. (2010). Efficacy of methoprene for control of five species of psocids (Psocoptera) on wheat, rice, and maize. *Journal of Food Protection* 73: 2244-2249.
111. Athanassiou C. G., Kavallieratos N. G., Vayias B. J., Tomanovic Z., Petrovic A., Rozman V., Adler C., Korunic Z. and Milovanovic D. (2011). Laboratory evaluation of diatomaceous earth deposits mined from several locations in central and southeastern Europe as potential protectants against coleopteran grain pests. *Crop Protection* 30: 329-339.
112. Athanassiou C. G., Kavallieratos N. G., Sciarretta A., Palyvos N. and Trematerra P. (2011). Spatial associations of insects and mites in stored wheat. *Journal of Economic Entomology* 104: 1752-1764.
113. Hertlein M. B., Thompson G. D., Subramanyam B. and Athanassiou C. G. (2011). Spinosad: a new natural product for stored grain protection. *Journal of Stored Products Research* 47: 131-146 (review paper).

114. Athanassiou C. G., Arthur F. H., Kavallieratos N. G. and Throne J. E. (2011). Efficacy of pyriproxifen for control of stored-product psocids (Psocoptera) on concrete surfaces. *Journal of Economic Entomology* 104: 1765-1769.
115. Kavallieratos N. G., Athanassiou C. G., Hatzikonstantinou A. N. and Kavallieratou H. N. (2011). Abiotic and biotic factors affect efficacy of chlorfenapyr for control of stored-product insect pests. *Journal of Food Protection* 74: 1288-1299.
116. Trematerra P., Athanassiou C. G., Stejskal V., Sciarretta A., Kavallieratos N. G. and Palyvos N. E. (2011). Large scale mating disruption of *Ephestia* spp. and *Plodia interpunctella* in Czech Republic, Greece and Italy. *Journal of Applied Entomology* 135: 749-762.
117. Tomanović, Ž., Kavallieratos N. G. and Athanassiou C. G. (2008). Spatial distribution of cereal aphids (Hemiptera: Aphidoidea) in Serbia. *Acta Entomologica Serbica* 13: 9-14.
118. Athanassiou C. G., Phillips T. W., Aikins M. J., Hasan M. M. and Throne J. E. (2012). Effectiveness of sulfuryl fluoride for control of different life stages of stored-product psocids (Psocoptera). *Journal of Economic Entomology* 105: 282-287.
119. Kavallieratos N. G., Athanassiou C. G., Arthur F. H. and Throne J. E. (2012). Lesser grain borers, *Rhyzopertha dominica*, select rough rice kernels with cracked hulls for reproduction. *Journal of Insect Science* 12: 38.
120. Athanassiou C. G., Riudavets J. and Kavallieratos N. G. (2011). Preventing stored product insect infestations in packaged-food products. *Stewart Postharvest Review* 3: 8 (review paper).
121. Vassilakos T. N. and Athanassiou C. G. (2012). Effect of short exposures to spinetoram against three stored-product beetle species. *Journal of Economic Entomology* 105: 1088-1094.
122. Traugott M., Athanassiou C., Cutler C., Desneux N., Rami Horowitz A., Meyhofer R., Shipp L., Stauffer C., Weber D. C. and Zalucki M. P. (2012). Editorial 2012: Shaping the profile of Journal of Pest Science. *Journal of Pest Science* 85: 1-3.
123. Rumbos C. I. and Athanassiou C. G. (2012). Insecticidal effect of six entomopathogenic nematode strains against *Lasioderma serricorne* (F.) (Coleoptera: Anobiidae) and *Tribolium confusum* Jacquelin Du Val (Coleoptera: Tenebrionidae). *Journal of Stored Products Research* 50: 21-26.
124. Stephou V. K., Tjamos S. E., Paplomatas E. J. and Athanassiou C. G. (2012). Transformation and attachment of *Beauveria bassiana* conidia on the cuticle of *Tribolium confusum* and *Sitophilus oryzae* in conjunction with diatomaceous earth. *Journal of Pest Science* 85: 387-394.
125. Vassilakos T. N. and Athanassiou C. G. (2012). Effect of uneven distribution of spinetoram treated wheat and rice on mortality and progeny production of *Rhyzopertha dominica* (F.), *Sitophilus oryzae* (L.) and *Tribolium confusum* Jacquelin du Val. *Journal of Stored Products Research* 50: 73-80.
126. Vassilakos T. N., Athanassiou C. G., Saglam O., Chloridis A. and Dripps J. (2012). Insecticidal effect of spinetoram against six major stored grain insect species. *Journal of Stored Products Research* 51: 69-73.
127. Pozidi-Metaxa E. I. and Athanassiou C. G. (2013). Comparison of spinosad with three traditional grain protectants against *Prostephanus truncatus* (Horn) and *Ephestia kuehniella* (Zeller) at different temperatures. *Journal of Pest Science* 86: 203-210.
128. Kavallieratos N. G., Athanassiou C. G., Mpassoukou A. E., Mpakou F. D., Tomanović Z., Manessioti T. B. and Papadopoulou S. C. (2012). Bioassays with diatomaceous earth formulations: effect of species co-occurrence, size of vials and application technique. *Crop Protection* 42: 170-179.

129. **Kavallieratos N. G., Tomanovic Z., Petrovic A., Jankovic M., Stary P., Yovkova M. and Athanassiou C. G. (2013).** Review and key for the identification of parasitoids (Hymenoptera: Braconidae: Aphidiinae) of aphids infesting herbaceous and shrubby ornamental plants in southeastern Europe. *Annals of the Entomological Society of America* 106: 294-309.
130. **Trematerra P., Lupi C. and Athanassiou C. G. (2012).** Does natal habitat preference modulate cereal kernel preferences in the rice weevil? *Arthropod Plant Interactions* 7: 287-297.
131. **Kavallieratos N. G., Athanassiou C. G., Vayias B. J. and Tomanovic Z. (2012).** Efficacy of insect growth regulators as grain protectants against two stored-product pests in wheat and maize. *Journal of Food Protection* 75: 942-950.
132. **Kavallieratos N. G., Athanassiou C. G. and Boukouvala M. C. (2012).** Insecticidal effect of chlorantraniliprole against major stored-product insect pests in different grain commodities under laboratory tests. *Pest Management Science* 69: 1141-1154.
133. **Athanassiou C. G., Kavallieratos N. G., Arthur F. H. and Throne J. E. (2013).** Efficacy of a combination of beta-cyfluthrin and imidacloprid and beta-cyfluthrin alone for control of stored product insects on concrete. *Journal of Economic Entomology* 106: 1064-1070.
134. **Trematerra P., Ianiro R., Athanassiou C. G. and Kavallieratos N. G. (2013).** Behavioral responses of *Sitophilus zeamais* Motschulsky adults to conditioned grain kernels. *Journal of Stored Products Research* 53: 77-81.
135. **Athanassiou C. G., Kavallieratos N. G., Evergetis E., Katsoula A. M. and Haroutounian S. A. (2013).** Insecticidal efficacy of silica gel with *Juniperus oxycedrus* L. ssp. *oxycedrus* (Pinales: Cupressaceae) essential oil against *Sitophilus oryzae* (Coleoptera: Curculionidae) and *Tribolium confusum* (Coleoptera: Tenebrionidae). *Journal of Economic Entomology* 106: 1902-1910.
136. **Saglam O., Athanassiou C. G. and Vassilakos T. N. (2013).** Comparison of spinetoram, imidacloprid, thiamethoxam and chlorantraniliprole against life stages of *Tribolium confusum* Jacquelin du Val (Coleoptera: Tenebrionidae) on concrete. *Crop Protection* 53: 85-95.
137. **Kavallieratos N. G., Athanassiou C. G., Aountala M. M. and Kontodimas D. C. (2013).** Evaluation of the entomopathogenic fungi *Beauveria bassiana*, *Metarhizium anisopliae* and *Isaria fumosorosea* for control of *Sitophilus oryzae*. *Journal of Food Protection* 77: 87-93.
138. **Trematerra P., Athanassiou C. G., Sciarretta A., Kavallieratos N. G. and Buchelos C. Th. (2013).** Efficacy of the auto-confusion system for mating disruption of *Ephestia kuehniella* (Zeller) and *Plodia interpunctella* (Hubner). *Journal of Stored Products Research* 55: 90-98.
139. **Vassilakos T. N. and Athanassiou C. G. (2013).** Effect of temperature and relative humidity on the efficacy of spinetoram for the control of three stored product beetle species. *Journal of Stored Products Research* 55: 73-77.
140. **Andreadis S. S., Spanoudis C. G., Athanassiou C. G. and Savopoulou-Soultani M. (2013).** Factors influencing supercooling capacity of the koinobiont endoparasitoid *Venturia canescens* (Hymenoptera: Ichneumonidae). *Pest Management Science* 70: 814-818.
141. **Rumbos C. I., Dutton A. C. and Athanassiou C. G. (2013).** Comparison of two pirimiphos-methyl formulations against major stored product insect species. *Journal of Stored Products Research* 55: 106-115.
142. **Athanassiou C. G., Kavallieratos N. G., Arthur F. H. and Throne J. E. (2013).** Residual efficacy of chlorfenapyr for control of stored-product psocids (Psocoptera). *Journal of Economic Entomology* 107: 854-859.
143. **Athanassiou C. G. and Kavallieratos N. G. (2014).** Evaluation of spinetoram and spinosad for control of *Prostephanus truncatus*, *Rhyzopertha dominica*, *Sitophilus oryzae* and *Tribolium confusum* on stored grains under laboratory tests. *Journal of Pest Science* 87: 469-483.

144. Vassilakos T. N., Athanassiou C. G., Chloridis A. and Dripps J. E. (2014). Efficacy of spinetoram as a contact insecticide on different surfaces against stored product beetle species. *Journal of Pest Science* 87: 485-494.
145. Athanassiou C. G. (2012). Introduction to "Recent advances in stored product protection". *Journal of Pest Science* 85: 283-284.
146. Rumbos C. I., Dutton A. C. and Athanassiou C. G. (2014). Efficacy of two formulations of pirimiphos-methyl as surface treatment against *Sitophilus granarius*, *Rhyzopertha dominica* and *Tribolium confusum*. *Journal of Pest Science* 87: 507-519.
147. Athanassiou C. G., Kavallieratos N. G., Throne J. E. and Nakas C. T. (2014). Competition among species of stored product psocids (Psocoptera) in stored grains. *PlosONE* 9: e102867.
148. Athanassiou C. G., Kavallieratos N. G. and Lazzari F. A. (2014). Insecticidal effect of Keepdry for the control of *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae) and *Rhyzopertha dominica* (F.) (Coleoptera: Bostrychidae) on wheat under laboratory conditions. *Journal of Stored Products Research* 59: 133-139.
149. Satar S., Satar G., Karacaoglu M., Uygun N., Kavallieratos N. G., Stary P. and Athanassiou C. G. (2014). Parasitoids and hyperparasitoids (Hymenoptera) on aphids (Hemiptera) infesting citrus in east Mediterranean region of Turkey. *Journal of Insect Science* 14: 178.
150. Isikber A. A. and Athanassiou C. G. (2015). The use of ozone gas for the control of insects and microorganisms in stored products. *Journal of Stored Products Research* 64: 139-145.
151. Tsaganou F. C., Vassilakos T. N. and Athanassiou C. G. (2014). Knockdown and mortality of five stored product beetle species after short exposures of thiamethoxam. *Journal of Economic Entomology* 107: 2222-2228.
152. Vassilakos T. N., Athanassiou C. G. and Tsiropoulos N. G. (2014). Persistence and efficacy of spinetoram against three major beetles on wheat. *Crop Protection* 69: 44-51.
153. Trematerra P., Ianiro R., Athanassiou C. G. and Kavallieratos N. G. (2015). Behavioral interactions between *Sitophilus zeamais* and *Tribolium castaneum*: the first colonizer matters. *Journal of Pest Science* 88: 573-581.
154. Kavallieratos N. G., Athanassiou C. G. and Arthur F. H. (2015). Efficacy of deltamethrin against stored product beetles at short exposure intervals or on a partially-treated rice mass. *Journal of Economic Entomology* 108: 1416-1421.
155. Athanassiou C. G., Kavallieratos N. G., Boukouvala M. C., Mavroforos M. and Kontodimas D. C. (2015). Efficacy of alpha-cypermethrin and thiamethoxam against *Trogoderma granarium* Everts (Coleoptera: Dermestidae) and *Tenebrio molitor* L. (Coleoptera: Tenebrionidae) on concrete. *Journal of Stored Products Research* 62: 101-107.
156. Athanassiou C. G., Hasan M. M., Phillips T. W., Aikins M. J. and Throne J. E. (2015). Efficacy of methyl bromide for control of different life stages of stored product psocids. *Journal of Economic Entomology* 108: 1422-1428.
157. Vassilakos T. N. and Athanassiou C. G. (2015). Long term residual efficacy of spinetoram on concrete and steel surfaces for the management of three stored product beetle species. *Journal of Economic Entomology* 108: 2090-2097.
158. Vassilakos T. N., Athanassiou C. G. and Tsiropoulos N. G. (2015). Influence of grain type on the efficacy of spinetoram for the control of *Rhyzopertha dominica*, *Sitophilus granarius* and *Sitophilus oryzae*. *Journal of Stored Products Research* 64: 1-7.
159. Kavallieratos N. G., Athanassiou C. G., Korunic Z. and Mikeli N. H. (2015). Evaluation of three novel diatomaceous earths against three stored grain beetle species on wheat and maize. *Crop Protection* 75: 132-138.
160. Aulicky R., Stejskal V., Frydova B. and Athanassiou C. G. (2015). Susceptibility of two strains of the confused flour beetle, *Tribolium confusum* Jacquelin Du Val

- (Coleoptera: Tenebrionidae) following phosphine structural mill fumigation: effects of concentration, temperature and flour deposits. *Journal of Economic Entomology* 108: 2823-2830.
161. **Kavallieratos N. G., Athanassiou C. G., Barda M. S. and Boukouvala M. C. (2015).** Efficacy of five insecticides for the control of *Trogoderma granarium* Everts (Coleoptera: Dermestidae) larvae on concrete. *Journal of Stored Products Research* 66: 18-24.
 162. **Athanassiou C. G., Kavallieratos N. G. and Campbell J. F. (2016).** Capture of *Tribolium castaneum* and *Tribolium confusum* (Coleoptera: Tenebrionidae) in floor traps: the effect of previous captures. *Journal of Economic Entomology* 109: 461-466.
 163. **Rumbos C. I., Dutton A.-C. and Athanassiou C. G. (2016).** Insecticidal effect of two pirimiphos-methyl formulations for the control of three stored product beetle species: effect of commodity. *Crop Protection* 80: 94-100.
 164. **Agrafioti P., Athanassiou C. G., Vassilakos T. N., Vlontzos G. and Arthur F. H. (2015).** Using a lethality index to assess susceptibility of *Tribolium confusum* and *Oryzaephilus surinamensis* to insecticides. *PLOS One* 10(11): e0142044.
 165. **Trematerra P., Kavallieratos N. G. and Athanassiou C. G. (2016).** Laboratory tests on the ability of *Oryzaephilus surinamensis* adults to locate different types of chocolate varying of quantity of cocoa. *Bulletin of Insectology* 69: 21-24.
 166. **Boukouvala M. C., Kavallieratos N. G., Athanassiou C. G. and Hadjiarapoglou L. P. (2016).** Biological activity of two new pyrrole derivatives against stored product species: influence of temperature and relative humidity. *Bulletin of Entomological Research* 106: 446-456.
 167. **Athanassiou C. G., Kavallieratos N. G., Chiriloaie A., Vassilakos T. N., Fatu V., Drosu S., Ciobanu M. and Dudoiu R. (2016).** Insecticidal efficacy of natural diatomaceous earth deposits from Greece and Romania against four stored grain beetles: the effect of temperature and relative humidity. *Bulletin of Insectology* 69: 25-34.
 168. **Athanassiou C. G. (2015).** Integrated Protection of Stored Products: sustainability in practice. *Journal of Stored Products Research* 64: 121.
 169. **Athanassiou C. G., Chiou A., Rumbos C. I., Karagiannis A., Nikolidaki E., Panagopoulou E., Kouvelas A. and Karathanos V. T. (2016).** Effects of electric infrared heating with light source penetration on microbial and entomological loads on dried currants and their organoleptic characteristics. *Journal of Pest Science* 89: 931-943.
 170. **Athanassiou C. G., Kavallieratos N. G., Sciarretta A. and Trematerra P. (2016).** Mating disruption of *Ephestia kuehniella* (Zeller) (Lepidoptera: Pyralidae) in a storage facility: spatio-temporal distribution changed after long-term application. *Journal of Stored Products Research* 67: 1-12.
 171. **Boukouvala M. C., Kavallieratos N. G., Athanassiou C. G. and Hatjiarapoglou L. P. (2016).** Insecticidal effect of two novel pyrrole derivatives against two major stored product insect species. *Crop Protection* 84: 1-7.
 172. **Athanassiou C. G., Vassilakos T. N., Dutton A. C., Jeesop N., Sherwood D., Pease G., Brglez A., Storm C. and Trdan S. (2016).** Combining electrostatic powder with an insecticide: effect on stored product beetles and on the commodity. *Pest Management Science* 72: 2208-2217.
 173. **Athanassiou C. G., Rumbos C. I., Sakka M. K., Vayias B. J., Stephou V. K. and Nakas C. N. (2016).** Insecticidal effect of the combined use of spinosad, *Beauveria bassiana* and diatomaceous earth for the control of *Tribolium confusum*. *Biocontrol Science and Technology* 26: 809-819.
 174. **Turinek M., Bavec F., Repic M., Bavec M., Athanassiou C. G., Turinek M., Leitner E., Trematerra P. and Trdan S. (2016).** Mortality, progeny production and preference of *Sitophilus zeamais* to wheat from integrated and alternative

- production systems. *Acta Agriculturae Scandinavica, Section B- Soil and Plant Science* 66: 443-451.
175. **Athanassiou C. G., Kavallieratos N. G. and Boukouvala M. C. (2016).** Population growth of the khapra beetle, *Trogoderma granarium* (Coleoptera: Dermestidae) on different commodities. *Journal of Stored Products Research* 69: 72-77.
 176. **Rumbos C. I., Sakka M., Berillis P and Athanassiou C. G. (2016).** Insecticidal potential of zeolite formulations against three major stored-grain insects: particle size effect, adherence ratio and effect of test weight on grains. *Journal of Stored Products Research* 68: 93-101.
 177. **Gagic V., Petrovic-Obradovic O., Frund J., Kavallieratos N. G., Athanassiou C. G., Stary P. and Tomanovic Z. (2016).** The effects of aphid traits on parasitoid host use and specialist advantage. *PLoS One* 11(6): e0157674.
 178. **Benelli G., Romano D., Stefanini C., Kavallieratos N. G., Athanassiou C. G. and Canale G. (2017).** Assymetry of mating behaviour affects copulation success in two stored product beetles. *Journal of Pest Science* 90: 547-556.
 179. **Rumbos C. I. and Athanassiou C. G. (2017).** The use of entomopathogenic nematodes in the control of stored product insects. *Journal of Pest Science* 90: 39-49.
 180. **Romano D., Kavallieratos N. G., Athanassiou C. G., Stafanini C., Canale A., Benelli G. (2017).** Impact of geographical origin and rearing medium on mating success and lateralization in the rice weevil, *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae). *Journal of Stored Products Research* 69: 106-112.
 181. **Lefkaditis F. G., Arapis G. D., Athanassiou C. G. and Kavallieratos N. G. (2016).** Spinosad and spinetoram disrupt the structure and the abundance of ground-dwelling arthropod communities in herbaceous fields. *International Journal of Pest Management* 63: 54-73.
 182. **Andreadis S. and Athanassiou C. G. (2016).** A review of insect cold hardiness and its potential in stored product insect control. *Crop Protection* 91: 93-99.
 183. **Athanassiou C. G., Rumbos C. I., Sakka M., Sotiroudas V. (2016).** Insecticidal efficacy of phosphine fumigation at low pressure against major stored-product insect species in a commercial dried fig facility. *Crop Protection* 90: 177-185.
 184. **Athanassiou C. G., Chiou A., Rumbos C. I., Sotiroudas V., Sakka M., Nikolidaki E. K., Panagopoulou E. A., Kouvelas A., Katechaki E. and Karathanos V. T. (2016).** Effect of nitrogen in combination with elevated temperatures on insects, microbes and organoleptic characteristics of stored currants. *Journal of Pest Science* 90: 557-567.
 185. **Athanassiou C. G., Kavallieratos N. G. and Campbell J. F. (2017).** Effect of the presence of live or dead insects on subsequent captures of six stored product beetle species: the relative species matters. *Journal of Economic Entomology* 110: 770-775.
 186. **Boukouvala M. C., Kavallieratos N. G., Athanassiou C. G., Losic D., Hatjiarapoglou L. P. and Elemen Y. (2017).** Laboratory evaluation of five novel purrole derivatives as grain protectants against *Tribolium confusum* and *Ephestia kuehniella* larvae. *Journal of Pest Science* 90: 569-585.
 187. **Kavallieratos N. G., Athanassiou C. G. and Arthur F. H. (2017).** Effectiveness of insecticide incorporated bags to control stored product beetles. *Journal of Stored Products Research* 70: 18-24.
 188. **Athanassiou C. G., Kavallieratos N. G., Rumbos C. I. and Kontodimas D. C. (2017).** Influence of temperature and relative humidity on the insecticidal efficacy of *Metarhizium anisopliae* against larvae of *Ephestia kuehniella* (Lepidoptera: Pyralidae) on wheat. *Journal of Insect Science* 17(1): 22; 1-7.
 189. **Kavallieratos N. G., Athanassiou C. G., Diamantis G. C., Gioukari H. G., Boukouvala M. C. (2017).** Evaluation of six insecticides against adults and larvae of *Trogoderma granarium* Everts (Coleoptera: Dermestidae) on wheat, barley, maize and rough rice. *Journal of Stored Products Research* 71: 81-92.

190. **Vlontzos G., Athanassiou C. and Duquenne M. N. (2016).** Assess cotton growers' willingness to use coated cotton seeds with insecticides. A field research in the Region of Thessaly, Greece. *New Medit* 4: 90-96.
191. **Athanassiou C. G., Rumbos C. I., Sakka M., Storm C., Dillon A. and Olivier P. (2017).** Delivering *Beauveria bassiana* with electrostatic powder for the control of stored-product beetles. *Pest Management Science* 73: 1725-1736.
192. **Benelli G., Romano D., Kavallieratos N., Conte G., Stefanini C., Mele M., Athanassiou C. and Canale A. (2017).** Multiple behavioural asymmetries impact male mating success in the khapra beetle, *Trogoderma granarium*. *Journal of Pest Science* 90: 901-909.
193. **Athanassiou C. G., Kavallieratos N. G., Pardo D., Sancho J., Colacci M., Boukouvala M. C., Nikolaidou A. J., Kontodimas D. C., Bernavent-Fernandez E., Galvez-Settier S. and Trematerra P. (2017).** Evaluation of pheromone trap devices for the capture of *Thaumetopoea pityocampa* (Lepidoptera: Thaumetopoeidae) in Southern Europe. *Journal of Economic Entomology* 110: 1087-1095.
194. **Isikber A. A., Tunaz H., Athanassiou C. G., Bilgili Y and Er M. K. (2017).** Toxicity of propylene oxide alone and in combination with low pressure or carbon dioxide against life stages of *Ephestia cautella* (Walker) (Lepidoptere: Pyralidae) under laboratory conditions. *Crop Protection* 98: 56-60.
195. **Athanassiou C. G., Kavallieratos N. G. and Campbell J. F. (2017).** Competition of three species of *Sitophilus* on rice and maize. *PLoS One* 12(3): e0173377.
196. **Miliordos D.-E., Athanassiou C. G., Tsiropoulos N. G. and Nakas N. T. (2017).** Persistence and efficacy of indoxacarb against three stored product insect species on wheat and maize. *Journal of Stored Products Research* 73: 74-86.
197. **Eroglou N., Emekci M., Athanassiou C. G. (2017).** Applications of natural zeolites on agriculture and food production. *Journal of the Science of Food and Agriculture* 97: 3487-3499.
198. **Rumbos C. I and Athanassiou C. G. (2017).** Use of entomopathogenic fungi for the control of stored product insects: can fungi protect durable commodities? *Journal of Pest Science* 90: 839-854.
199. **Athanassiou C. G., Kavallieratos N. G., Boukouvala M. C. and E. P. Nika (2017).** Influence of commodity on the population growth of the larger grain borer, *Prostephanus truncatus* (Horn) (Coleoptera: Bostrychidae). *Journal of Stored Products Research* 73: 129-134.
200. **Athanassiou C. G., Kavallieratos N. G., Benelli G., Losic D., Usha Rani P. and Desneux N. (2017).** Nanoparticles for pest control: current status and future perspectives. *Journal of Pest Science* 91: 1-15.
201. **Kavallieratos N. G., Athanassiou C. G., Nikka E. P. and Boukouvala M. C. (2017).** Efficacy of alpha-cypermethrin, chlorfenapyr and pirimiphos-methyl applied on polypropylene bags for the control of *Prostephanus truncatus* (Horn), *Rhyzopertha dominica* (F.) and *Sitophilus oryzae* (L.). *Journal of Stored Products Research* 73: 54-61.
202. **Shaked B., Amore A., Ioannou C., Valdez F., Alorda B., Papanastasiou S., Goldshtein E., Shendeler C., Perdikis D., Tsilingiridis T., Tablilio M. R., Sciarretta A., Barcelo C., Athanassiou C., Miranda M. A., Alchanatis V., Papadopoulos N. and Nestel D. (2018).** Electronic traps for detection and population monitoring of adult fruit flies (Diptera: Tephritidae). *Journal of Applied Entomology* 142: 43-51.
203. **Kavallieratos N. G., Athanassiou C. G., Peteinatos G. G., Boukouvala M. C. and Benelli G. (2017).** Insecticidal effect and impact on fitness of three diatomaceous earths on different maize hybrids for the eco-friendly control of the invasive stored-product pest *Prostephanus truncatus* (Horn). *Environmental Science and Pollution Research* 25: 10407-10417.

204. Michaelakis A., Papachristos D. P., Rumbos C. I. and Athanassiou C. G. (2018). Effect of the combined application of the microencapsulated synthetic oviposition pheromone (MSP) with different larvicidal agents of the oviposition of *Culex pipiens* biotype *molestus*. *Pest Management Science* 74: 392-397.
205. Athanassiou C. G., Kavallieratos N. G., Rumbos C. I., Stavropoulos D. J., Boukouvala M. C. and Nika E. P. (2017). Laboratory studies of the behavioral responses of *Tribolium confusum* and *Ephestia kuehniella* to surfaces treated with diatomaceous earth and spinosad formulations. *Journal of Pest Science* 99: 299-311.
206. Hubert J., Stejskal V., Athanassiou C. G. and Throne J. E. (2018). Health hazards associated with arthropod infestation of stored products. *Annual Review of Entomology* 63: 553-573.
207. Colacci M., Kavallieratos N. G., Athanassiou C. G., Boukouvala M. C., Rumbos C. I., Kontodimas D. C., Pardo D., Sancho J., Benavent-Fernandez E., Galvez-Settier S., Sciaretta A. and Trematerra P. (2017). Management of the pine processionary moth, *Thaumetopoea pityocampa* (Lepidoptera: Thaumetopoeidae), in urban and suburban areas: trials with trunk barriers and adhesive barrier trap devices. *Journal of Economic Entomology* 111: 227-238.
208. Rumbos C. I., Dutton A. C. and Athanassiou C. G. (2018). Insecticidal effect of spinetoram and thiamethoxam applied alone or in combination for the control of major stored-product beetle species. *Journal of Stored Products Research* 75: 56-63.
209. Doganay I., Agrafioti P., Isikber A. A., Saglam O. and Athanassiou C. G. (2018). Immediate and delayed mortality of the larger grain borer, *Prostephanus truncatus* (Horn), on different surfaces treated with thiamethoxam and alpha-cypermethrin. *Journal of Stored Products Research* 76: 1-6.
210. Zikic V., Stankovic S. S., Kavallieratos N. G., Athanassiou C. G., Georgiou P., Tschorsnig H.-P. and van Achterberg C. (2018). Parasitoids associated with *Lymantria dispar* (Lepidoptera: Lymantridae) and *Malacosoma neustria* (Lepidoptera: Lasiocampidae) in Greece and comparative analysis of their parasitoid spectrums in Europe. *Zoologischer Anzeiger* 270: 166-175.
211. Kavallieratos N. G., Athanassiou C. G., Guedes R. N. C., Drepmpela J. D. and Boukouvala M. C. (2017). Invader competition with local competitors: displacement of coexistence among the invasive khapra beetle, *Trogoderma granarium* Everts (Coleoptera: Dermestidae), and two other major stored-grain beetles? *Frontiers in Plant Science* 1837.
212. Rumbos C. I., Dutton A.-C., Tsiropoulos N. G. and Athanassiou C. G. (2018). Persistence and residual toxicity of two pirimiphos-methyl formulations on wheat against three stored-product pests. *Journal of Stored Products Research* 76: 14-21.
213. Rumbos C. I., Sakka M., Schaffert S., Sterz T., Austin J., Bozoglou C., Klitsinaris P. and Athanassiou C. G. (2018). Evaluation of Carifend, an alpha-cypermethrin coated polyester net, for the control of *Lasioderma serricorne* and *Ephestia elutella* in stored tobacco. *Journal of Pest Science* 91: 751-759.
214. Avtzis D. N., Petsopoulos D., Memtsas G. I., Kavallieratos N. G., Athanassiou C. G. and Boulouvala M. C. (2018). Revisiting the distribution of *Thaumetopoea pityocampa* and *Thaumetopoea pityocampa* “ENA clade” in Greece. *Journal of Economic Entomology* 111: 1256-1260.
215. Athanassiou C. G., Kavallieratos N. G., Benelli G. and Guedes R. N. C. (2018). Male multiple mating and reproductive success in commodity-adapted strains of *Sitophilus oryzae*. *Journal of Pest Science* 91: 1073-1080.
216. Athanassiou C. G., Arthur F. H., Kavallieratos N. G. and Hartzler K. L. (2018). Susceptibility of different life stages of different life stages of *Tribolium confusum* Jacquelin du Val (Coleoptera: Tenebrionidae) and *Oryzaephilus surinamensis* (L.) (Coleoptera: Silvanidae) to cold treatment. *Journal of Economic Entomology* 111: 1481-1485.

217. Athanassiou C. G., Arthur F. H. and Hartzler K. L. (2018). The efficacy of low temperatures for the control of all life stages of *Plodia interpunctella* and *Liposcelis bostrychophila*. *Journal of Pest Science* 91: 1363-1369.
218. Baliota G., Rumbos C. I. and Athanassiou C. G. (2018). From lethality to mortality: investigating the “grey area” of knockdown as an efficacy indicator of different insecticides against major storage insects using a lethality index. *Journal of Pest Science* 91: 1371-1380.
219. Athanassiou C. G., Bray D. P., Hall D. R., Phillips C., Vassilakos T. N. (2018). Factors affecting field performance of pheromone traps for tobacco beetle, *Lasioderma serricornis* and tobacco moth, *Ephesia elutella*. *Journal of Pest Science* 91: 1381-1391.
220. Kavallieratos N. G., Athanassiou C. G., Boukouvala M. C. and Rumbos C. I. (2018). Acaricidal effect of three zeolite formulations on different life stages of *Tyrophagus putrescentiae* (Schrank) and *Acarus siro* L. (Sarcoptiformes: Acaridae). *Journal of Stored Products Research* 78: 39-44.
221. Agrafioti P. and Athanassiou C. G. (2018). Insecticidal effect of contact insecticides against stored product beetle populations with different susceptibility to phosphine. *Journal of Stored Products Research* 79: 9-15.
222. Sakka M. K. and Athanassiou (2018). Competition of three stored-product bostrychids on different temperatures and commodities. *Journal of Stored Products Research* 79: 34-39.
223. Chikhanis G. G., Sakka M. K. and Athanassiou C. G. (2018). Efficacy of *Beauveria bassiana* in combination with an electrostatically charged dust for the control of major stored-product beetle species on concrete. *Journal of Stored Products Research* 79: 139-143.
224. Rumbos C. I., Karapanagiotidis I., Mente E. and Athanassiou C. G. (2019). The lesser mealworm *Alphitobius diaperinus*: a noxious pest or a promising nutrient source? *Reviews in Aquaculture* 11: 1418-1437.
225. Athanassiou C. G., Kavallieratos N. G., Brabec D. L., Oppert B., Guedes R. N. C. and Campbell J. F. (2019). From immobilization to recovery: towards the development of a rapid diagnostic indicator for phosphine resistance. *Journal of Stored Products Research* 80: 28-33.
226. Erogou N., Sakka M. K., Emekci M. and Athanassou C. G. (2019). Effects of zeolite formulations on the mortality and progeny production of *Sitophilus oryzae* and *Oryzaephilus surinamensis* at different temperature and relative humidity levels. *Journal of Stored Products Research* 81: 40-45.
227. Agrafioti P., Athanassiou C. G. and Subramanyam Bh. (2019). Efficacy of heat treatment on phosphine resistant and susceptible populations of stored product insects. *Journal of Stored Products Research* 81: 100-106.
228. Boukouvala M. C., Romano D., Kavallieratos N. G., Athanassiou C. G., Stefanini C., Canale A. and Benelli G. (2019). Assymetric courtship boosts male mating success in the red flour beetle, *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). *Journal of Stored Products Research* 81: 1-6.
229. Djekic I., Kavallieratos N. G., Athanassiou C. G., Jankovic D., Nika E. P. and Rajkovic A. (2018). Pest control in Serbian and Greek food establishments: opinions and knowledge. *Food Control* 98: 281-289.
230. Karanika C., Rumbos C. I., Agrafioti P. and Athanassiou C. G. (2019). Insecticidal efficacy of a binary combination of cyphenothrin and prallethrin applied as surface treatment against four major stored-product insects. *Journal of Stored Products Research* 80: 41-49.
231. Kavallieratos N. G., Athanassiou C. G., Boukouvala M. C. and Tsekos G. (2019). Influence of different non-grain commodities on the population growth of *Trogoderma granarium* Everts (Coleoptera: Dermestidae). *Journal of Stored Products Research* 81: 31-39.

232. Athanassiou C. G., Rumbos C. I., Stephou V. K., Sakka M., Schaffert S., Sterz T., Bozoglou C., Klitsinaris P., Austin J. W. (2019). Field evaluation of Carifend® nets for the protection of stored tobacco from storage insect pests. *Journal of Stored Products Research* 81: 46-52.
233. Athanassiou C. G., Phillips T. W. and Wakil W. (2019). Biology and control of the khapra beetle, *Trogoderma granarium*, a major quarantine threat for global food security. *Annual Review of Entomology* 64: 131-148.
234. Kavallieratos N. G., Stankovic S. S., Swarz M., Alissandrakis E., Athanassiou C. G., Floros G. D. and Zikic V. (2019). A survey of parasitoids from Greece with new associations. *Zookeys* 817: 25-40.
235. Athanassiou C. G., Kavallieratos N. G., Brabec D. L., Agrafioti P., Sakka M. and Campbell J. F. (2019). Using immobilization as a quick diagnostic indicator for resistance to phosphine. *Journal of Stored Products Research* 82: 17-26.
236. Agrafioti P., Athanassiou C. G. and Nayak M. K. (2019). Detection of phosphine resistance in stored-product insects in Greece and evaluation of a field resistance test kit. *Journal of Stored Products Research* 82: 40-47.
237. Michaelakis A., Papachristos D. P., Rumbos C. I., Benelli G. and Athanassiou C. G. (2019). Larvicidal activity of spinosad and its impact on oviposition preferences of the West Nile vector *Culex pipiens* biotype *molestus*- a comparison with a chitic synthesis inhibitor. *Parasitology International* 74: 101917.
238. Athanassiou C. G., Arthur F. H., Kavallieratos N. G. and Hartzler K. L. (2019). To acclimate or not to acclimate? Simultaneous positive and negative effects of acclimation on susceptibility of *Tribolium confusum* and *Oryzaephilus surinamensis* to low temperatures. *Journal of Economic Entomology* 112: 2441-2449.
239. Trematerra P., Golacci M., Athanassiou C. G., Kavallieratos N. G., Rumbos C. I., Boukouvala M. C., Nikolaidou A. J., Kondodimas D. C., Benavent-Fernandez E. and Galvez-Settier S. (2019). Evaluation of mating disruption for the control of the pine processionary moth, *Thaumetopoea pityocampa* (Lepidoptera: Thaumetopoeidae) in suburban recreational areas in Italy and Greece. *Journal of Economic Entomology* 112: 2229-2235.
240. Vassilakos T. N., Ruidevets J., Castane C., Itturalde-Garcia R. D. and Athanassiou C. G. (2019). Efficacy of modified atmospheres on *Trogoderma granarium* and *Sitophilus zeamais*. *Journal of Economic Entomology* 112: 2450-2457.
241. Gourgouta M., Rumbos C. I. and Athanassiou C. G. (2019). Residual toxicity of a commercial cypermethrin formulation on grains against four major storage beetles. *Journal of Stored Products Research* 83: 103-109.
242. Athanassiou C. G., Arthur F. H., Campbell J. F. and Donaldson J. E. (2019). Particle size matters: efficacy of aerosols for the control of stored product psocids. *Journal of Stored Products Research* 83: 148-152.
243. Parlapani F. F., Kyritsi M., Sakka M., Chatzinikolaou K., Donos S., Boziaris I. S., Hadjichristodoulou C. and Athanassiou C. G. (2020). Matrix-assisted laser desorption ionization-time of flight mass spectrometry reveals *Enterococcus* and *Enterobacter* spp. in major insect species involved in food security with resistance to common antibiotics. *Journal of Pest Science* 93: 159-170.
244. Hagstrum D. W. and Athanassiou C. G. (2019). Improving stored product insect pest management: from theory to practice. *Insects* 10: 332.
245. Djekic I., Mujcinovic A., Nikolic A., Jambrak A. R., Papademas P., Feyissa A. H., Kansou K., Thomopoulos R., Breisen H., Kavallieratos N. G., Athanassiou C. G., Silva C. L. M., Sirbu A., Moisescu A. M., Tomasevic I., Brodnjak U. V., Charalambides M. and Tonda A. (2019). Cross-European analysis on the use of mathematical models in food industry. *Journal of Food Engineering* 261: 109-116.
246. Hasan M. M., Yeasmin L., Athanassiou C. G., Bari M. A. and Islam S. M. (2020). Using gamma-irradiated *Galleria melonella* L. and *Plodia interpunctella*

- (Hübner) larvae to optimize mass rearing of parasitoid *Harbobracon hebetor* (Say) (Hymenoptera: Braconidae). *Insects* 10: 223.
247. **Boukouvala M. C., Kavallieratos N. G., Athanassiou C. G., Benelli G. and Hadjirapoglou L. P. (2019).** Insecticidal efficacy of six new pyrrole derivatives against four stored-product pests. *Environmental Science and Pollution Research* 26: 29845-29856.
 248. **Rumbos C. I., Pantazis I. and Athanassiou C. G. (2019).** Population growth of the lesser mealworm, *Alphitobius diaperinus* (Panzer) (Coleoptera: Tenebrionidae), on various commodities. *Journal of Economic Entomology* 113: 1001-1007.
 249. **Paloukas Y. Z., Agrafioti P., Rumbos C. I., Schaffert S., Sterz T., Bozoglou C., Klitsinaris P. Austin J. W. and Athanassiou C. G. (2020).** Evaluation of Carifend® for the control of stored product beetles. *Journal of Stored Products Research* 85: 101534.
 250. **Quellhorst H., Athanassiou C. G., Bruce A., Scully E. D. and Morrison W. R. III (2020).** The outcome of interspecific competition between the invasive *Prostephanus truncatus* (Coleoptera: Bostrichidae) and the cosmopolitan *Sitophilus zeamais* (Coleoptera: Curculionidae) on progeny production, kernel damage, and mold growth at maize at different temperatures. *Environmental Entomology* 49: 255-264.
 251. **Athanassiou C. G., Phillips T. W., Arthur F. H., Aikins M. J., Agrafioti P. and Hartzler K. L. (2020).** Efficacy of phosphine fumigation on different life stages of *Trogoderma inclusum* and *Dermestes maculatus* (Coleoptera: Dermestidae). *Journal of Stored Products Research* 86: 101556.
 252. **Lampiri E., Agrafioti P., Levizou E. and Athanassiou C. G. (2020).** Insecticidal effect of *Dittrichia viscosa* lyophilized epicuticular material against four major stored-product beetle species on wheat. *Crop Protection* 132: 105095.
 253. **Hasan M. M., Hasan M. M., Khatun R., Hossain M. A., Athanassiou C. G. and Bari M. A. (2020).** Mating attributes relating to parasitization and productivity in *Harbobracon hebetor* (Hymenoptera: Braconidae) rearing on host indian meal moth (Lepidoptera: Pyralidae). *Journal of Economic Entomology* 113: 1528-1534.
 254. **Athanassiou C. G. and Arthur F. H. (2020).** Cool down- Warm up: Gradual temperature changes do not affect the efficacy of cold treatment against stored product insects. *Insects* 11: 158.
 255. **Arthur F. H., Athanassiou C. G. and Morrison W. R. III (2020).** Mobility of stored product beetles, after exposure to a combination insecticide containing deltamethrin, methoprene, and a piperonyl butoxide synergist depends on species, concentration, and exposure time. *Insects* 11: 151.
 256. **Sakka M. K., Romano D., Stefanini C., Canale A., Benelli G. and Athanassiou C. G. (2020).** Mobility parameters of *Tribolium castaneum* and *Rhyzopertha dominica* populations with different susceptibility to phosphine. *Journal of Stored Products Research* 87: 101593.
 257. **Georgousakis C., Sakka M. K., Karkanis A. C. and Athanassiou C. G. (2020).** Gone with the weed: Population growth of *Sitophilus oryzae* and *Rhyzopertha dominica* in weed and barley containing seeds of *Silybum marianum*. *Journal of Stored Products Research* 87: 101602.
 258. **Agrafioti P., Kaloudis E., Bantas S., Sotiroudas V. and Athanassiou C. G. (2020).** Modelling the distribution of phosphine and insect mortality in cylindrical grain silos with Computational Fluid Dynamics for precision fumigation: Model validation with field trials. *Computers and Electronics in Agriculture* 173: 105383.
 259. **Franco-Pereira A. M., Nakas C. T., Athanassiou C. G. and Pardo M. C. (2020).** Testing against umbrella or tree orderings for binomial proportions with an application to an insect resistance case. *Biometrical Journal* 62: 1574-1588.
 260. **Rumbos C. I., Rigopoulou M. and Athanassiou C. G. (2020).** Are insect meals prone to insect infestation during storage? Development of storage insects on

- substrates based on *Tenebrio molitor* larvae meal. *Journal of Pest Science* 93: 1359-1367.
261. **Rumbos C. I., Karapanagiotidis I. T., Mente E., Psoufakis P. and Athanassiou C. G. (2020).** Evaluation of various commodities for the development of the yellow mealworm, *Tenebrio molitor*. *Scientific Reports* 10: 11224.
 262. **Boukouvala M C., Romano D., Kavallieratos N. G., Athanassiou C. G., Stefanini C., Conte G., Canale A. and Benelli G. (2020).** Does geographical origin affect lateralization and male mating success in *Rhyzopertha dominica* beetles? *Journal of Stored Products Research* 88: 101630.
 263. **Athanassiou C. G. and Buchelos C. T. (2020).** Grain properties and insect distribution trends in silos of wheat. *Journal of Stored Products Research* 88: 101632.
 264. **Hasan M. M., Athanassiou C. G., Schilling W. M. and Phillips T. W. (2020).** Biology and management of red-legged ham beetle, *Necrobia rufipes* DeGeer (Coleoptera: Cleridae). *Journal of Stored Products Research* 88: 101635.
 265. **Rumbos C. I. and Athanassiou C. G. (2020).** Assessment of selected larvicides for the control of *Culex pipiens* biotype *pipiens* and *Culex pipiens* biotype *molestus* under laboratory and semi-field conditions. *Pest Management Science* 76: 3568-3576.
 266. **Romano D., Benelli G., Kavallieratos N. G., Athanassiou C. G., Canale A. and Stefanini C. (2020).** Beetle-robot hybrid interaction: sex, lateralization and mating experience modulate behavioural responses to robotic cues in the larger grain borer *Prostephanus truncatus* (Horn). *Biological Cybernetics* 114: 473-483.
 267. **Faliaga S., Lampiri E., Agrafioti P., Katsoulas N. and Athanassiou C. G. (2020).** Assessment of different dust formulations against *Sitophilus oryzae*, *Tribolium confusum* and *Aphis fabae*. *Crop Protection* 137: 105312.
 268. **Hasan M. M., Chuwdhuray M. S., Rahman A. S. M. S. and Athanassiou C. G. (2020).** Development and diapause induction of the Indian meal moth, *Plodia interpunctella* (Hübner) (Lepidoptera: Pyralidae) at different photoperiods. *Scientific Reports* 10: 14707.
 269. **Karkanis A. C. and Athanassiou C. G. (2020).** Natural insecticides from native plants of the Mediterranean basin and their activity for the control of major insect pests in vegetable crops: Shifting from the past to the future. *Journal of Pest Science* 94: 187-202.
 270. **Agrafioti P., Faliagka S., Lampiri E., Orth M., Patzel M., Katsoulas N. and Athanassiou C. G. (2020).** Evaluation of silica coated insect proof nets for the control of *Aphis fabae*, *Sitophilus oryzae* and *Tribolium confusum*. *Nanomaterials* 10: 1658.
 271. **Baliota G. V. and Athanassiou C. G. (2020).** Evaluation of a Greek diatomaceous earth for stored product insect control and techniques that maximize its insecticidal efficacy. *Applied Sciences* 10: 6441.
 272. **Lampiri E., Athanassiou C. G. and Arthur F. H. (2020).** Population growth and development of the khapra beetle, *Trogoderma granarium* on different sorghum fractions. *Journal of Economic Entomology* 114: 424-429.
 273. **Agrafioti P., Sotiroudas V., Kaloudis S., Bantas S., Bochtis D. and Athanassiou C. G. (2020).** Real time monitoring of phosphine and insect mortality in different storage facilities. *Journal of Stored Products Research* 89: 101726.
 274. **Gourgouta M., Agrafioti P. and Athanassiou C. G. (2021).** Insecticidal effect of phosphine for the control of different life stages of the khapra beetle, *Trogoderma granarium* (Coleoptera: Dermestidae). *Crop Protection* 140: 105409.
 275. **Agrafioti P., Brabec D., Morrison W. III, Campbell J. F. and Athanassiou C. G. (2020).** Scaling recovery of susceptible and resistant stored product insects after exposure to phosphine by using automated video tracking software. *Pest Management Science* 77: 1245-1255.

276. Tsaganou F. K., Vassilakos T. N. and Athanassiou C. G. (2021). Knockdown-mortality responses of six stored-product beetle species on different surfaces treated with thiamethoxam using a standardized lethality index. *Journal of Economic Entomology* 114: 430-439.
277. Gourgouta M., Agrafioti P. and Athanassiou C. G. (2021). Immediate and delayed effects of short exposures to phosphine on adults and larvae of the khapra beetle, *Trogoderma granarium*. *Journal of Stored Products Research* 90: 101737.
278. Sakka M. K., Riga M., Ioannidis P., Baliota G. V., Tselika M., Jagadeesan R., Nayak M. K., Vontas J. and Athanassiou C. G. (2021). Transcriptomic analysis of s-methoprene resistance in the lesser grain borer, *Rhyzopertha dominica*, and evaluation of piperonyl butoxide as a resistance breaker. *BMC Genomics* 22:65.
279. Athanassiou C. G., Kavallieratos N. G., Arthur F. H. and Nakas C. T. (2021). Scaling knockdown of flour beetles after exposure to two insecticides as an indicator of mortality. *Scientific Reports* 11: 1145.
280. Sakka M. K. and Athanassiou C. G. (2021). Population mediated responses of *Lasioderma serricorne* (F.) (Coleoptera: Anobiidae) to different diagnostic protocols for phosphine efficacy. *Journal of Economic Entomology* 114: 885-890.
281. Sakka M. K., Gatzali F., Karathanos V. and Athanassiou C. G. (2020). Effect of nitrogen on phosphine-susceptible and -resistant populations of stored product insects. *Insects* 11: 885.
282. Morrison W. R. III, Arthur F. H., Wilson L. T., Yang Y., Wang J. and Athanassiou C. G. (2020). Aeration to manage insects in wheat stored in the Balkan peninsula: computer simulations using historical weather data. *Agronomy* 10: 1927.
283. Athanassiou C. G., Arthur F. H., Kavallieratos N. G. and Hartzer K. L. (2021). Influence of the presence of flour on the efficacy of low temperatures against stored product insects. *Crop Protection* 144: 105514.
284. Vlontzos G., Navis S., Kleisiari S., Kyriakos L. S., Athanassiou C. G. and Pardalos P. (2021). Why farmers get involved in Participatory Research Projects? The case of arable crops farmers in Greece. *Applied Sciences* 11: 6.
285. Gourgouta M., Athanassiou C. G. and Arthur F. H. (2021). Susceptibility of sorghum varieties to infestation by the khapra beetle. *Journal of Economic Entomology* 114: 1373-1379.
286. Carvalho P., Charalambides M. N., Djekic I., Athanassiou C., Bakalis S., Benedito J., Briffaz A., Castane C., Della Valle G., de Sousa I. M. N., Erdoglu F., Feyissa A. H., Kavallieratos N. G., Koulouris A., Pojic M., Raymundo A., Riudavets J., Sarghini F., Trematerra P. and Tonda A. (2021). Modelling processes and products in the cereal chain. *Foods* 10: 82.
287. Lampiri E., Agrafioti P. and Athanassiou C. G. (2021). Delayed mortality, resistance and the sweet spot, as the good, the bad and the ugly in phosphine use. *Scientific Reports* 11: 3933.
288. Rumbos C. I. and Athanassiou C. G. (2021). The superworm, *Zophobas morio*, a “Sleeping Giant” in nutrient sources. *Journal of Insect Science* 21: 13.
289. Sakka M. K. and Athanassiou C. G. (2021). Insecticidal effect of diatomaceous earth and pirimiphos-methyl against phosphine-susceptible and -resistant populations of two stored-product beetle species. *Environmental Science and Pollution Research* 10.1007/s11356-021-12971-1.
290. Tsaganou F. K., Vassilakos T. N. and Athanassiou C. G. (2021). Influence of temperature and relative humidity on the efficacy of thiamethoxan for the control of three stored product beetle. *Journal of Stored Products Research* 92: 101784.
291. Rumbos C. I. and Athanassiou C. G. (2021). “Insects for food and feed: If you can’t beat them, eat them!”- To the Magnificent Seven and beyond. *Journal of Insect Science* 21: 10.1093/jisesa/ieab019.

292. Nikolaidou A. J., Ioannou C. S., Papadopoulos N. T. and Athanassiou C. G. (2021). Efficacy of polydimethylsiloxane against *Culex pipiens* (Diptera: Culicidae). *Environmental Science and Pollution Research* 28: 39614-39624.
293. Agrafioti P., Kaloudis E., Bantas S., Sotiroidas V. and Athanassiou C. G. (2021). Phosphine distribution and insect mortality in commercial metal shipping containers using wireless sensors and CFD modeling. *Computers and Electronics in Agriculture* 184: 106087.
294. Rumbos C. I., Bliamplias D., Gourgouta M., Michail V. and Athanassiou C. G. (2021). Rearing *Tenebrio molitor* and *Alphitobius diaperinus* larvae on seed cleaning process byproducts. *Insects* 12: 293.
295. Deruytter D., Rumbos C. I. and Athanassiou C. G. (2021). Insect infestations in mealworm farming: the case of the pyralid moths. *Journal of Insects for Food and Feed* 7: 1183-1194.
296. Rumbos C. I., Adamaki-Sotiraki C., Gourgouta M., Karapanagiotidis I. T., Asimaki A., Mente E. and Athanassiou C. G. (2021). Strain matters: Strain effects on the larval growth and performance of the yellow mealworm, *Tenebrio molitor* L. *Journal of Insects for Food and Feed* 7: 1183-1194.
297. Lampiri E. and Athanassiou C. G. (2021). Insecticidal effect of phosphine on eggs of the khapra beetle. *Journal of Economic Entomology* 114: 1389-1400.
298. Tsaganou F. K., Vassilakos T. N. and Athanassiou C. G. (2021). Efficacy of layer grain treatment with thiamethoxam against adults of *Rhyzopertha dominica* (F.) and *Sitophilus oryzae* (L.). *Journal of Stored Products Research* 92: 101812.
299. Baliota G. V., Athanassiou C. G. and Cohnstaedt L. W. (2021). Response of phosphine-resistant and -susceptible *Lasioderma serricorne* adults to different light spectra. *Journal of Stored Products Research* 92: 101808.
300. Rumbos C. I., Oonincx D. G. A. B., Karapanagiotidis I. T., Vrontaki M., Gourgouta M., Asimaki A., Mente E. and Athanassiou C. G. (2021). Agricultural byproducts from Greece as feed for yellow mealworm larvae: circular economy at local level. *Journal of Insects for Food and Feed* 8: 9-22.
301. Zafeiriadis S., Sakka M. K. and Athanassiou C. G. (2021). Efficacy of contact insecticides for the control of the lesser mealworm, *Alphitobius diaperinus* (Panzer) (Coleoptera: Tenebrionidae). *Journal of Stored Products Research* 92: 101817.
302. Agrafioti P., Arvanitakis G., Rumbos C. I. and Athanassiou C. G. (2021). Residual efficacy of an insecticide-coated net for the control of stored product beetles. *Journal of Stored Products Research* 93: 101824.
303. Haque M. A., Islam M. S., Bari M. A., Hossain M. A., Athanassiou C. G. and Hasan M. M. (2021). Cold storage-mediated rearing of *Trichogramma evanescens* Westwood on eggs of *Plodia interpunctella* (Hubner) and *Galleria mellonella* L. *PLOS One* 16: e0253287.
304. Adamaki-Sotiraki C., Rumbos C. I. and Athanassiou C. G. (2021). Developmental plasticity among strains of the yellow mealworm, *Tenebrio molitor* L. under dry conditions. *Journal of Insects as Food and Feed* 8: 281-288.
305. Scheff D., Baliota G. V., Domingue M. J., Bingham G. V., Morrison W. R. and Athanassiou C. G. (2021). Evaluations of the new deltamethrin-treated all-in-one hermetic bags for the control of Khapra beetle, *Trogoderma granarium* (Everts). *Journal of Stored Products Research* 93: 101839.
306. Tsaganou F. K., Vassilakos T. N. and Athanassiou C. G. (2021). Effect of thiamethoxam partial grain treatment to *Rhyzopertha dominica* (F.) and *Sitophilus oryzae* (L.). *Journal of Stored Products Research* 93: 101844.
307. Tsaganou F. K., Vassilakos T. N. and Athanassiou C. G. (2021). Insecticidal effect of thiamethoxam against seven stored-product beetle species. *Journal of Stored Products Research* 93: 101843.
308. Stejskal V., Vendl T., Aulicky R. and Athanassiou C. G. (2021). Synthetic and natural insecticides: Gas, liquid, gel and solid formulations for stored-product and food-industry pest control. *Insects* 12: 590.

309. Rumbos C. I., Mente E., Karapanagiotidis I. T., Vlontzos G. and Athanassiou C. G. (2021). Insect-based feed ingredients for aquaculture: a case study for their acceptance in Greece. *Insects* 12: 586.
310. Quellhorst H., Athanassiou C. G., Zhu K. Y. and Morrison W. III (2021). The biology, ecology and management of the larger grain borer, *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae). *Journal of Stored Products Research* 94: 101860.
311. Gourgouta M., Baliota G., Morrison W. R. III, Domingue M. J. and Athanassiou C. G. (2021). Comparative capture of *Trogoderma granarium* and *T. variabile* in floor traps in single species releases with previously captured conspecific or heterospecific individuals. *Journal of Economic Entomology* 114: 2591-2597.
312. Stefopoulou A., Maselou D., Papachristos D., Kolimenakis A., Michaelakis A., Athanassiou C. G. and Vlontzos G. (2021). Pest control in primary sector: towards the identification of knowledge gaps. *Agronomy* 11: 1596.
313. Satar S., Kavallieratos N. G., Tufelki M., Satar G., Athanassiou C. G., Papanikolaou N. E., Karacaoglu M., Ozdemir I. and Stary P. (2021). *Capsella bursa-pastoris* is a key overwintering plant for aphids in the Mediterranean region. *Insects* 12: 744.
314. Campbell J. F., Athanassiou C. G., Hagstrum D. W. and Zhu K. Y. (2022). *Trobelium castaneum*: A model insect for fundamental and applied research. *Annual Review of Entomology* 67: 347-365.
315. Capocchi A., Athanassiou C. G., Benelli G., Muccilli V., Kavallieratos N. G., Cunsolo V., Saletti R. and Fontanini D. (2022). A new monomeric α -amylase inhibitor from the tetraploid emmer wheat is mostly active against stored product pests. *Journal of Pest Science* 95: 1401-1412.
316. Kotsou K., Rumbos C. I., Baliota G. V., Gourgouta M. and Athanassiou C. G. (2021). Influence of temperature, relative humidity, moisture source and protein content on the growth and development of larvae of the lesser mealworm of *Alphitobius diaperinus* (Panzer). *Sustainability* 13: 11087.
317. Baliota G. V., Scheff D., Morrison W. R. III and Athanassiou C. G. (2021). Competition between *Prostephanus truncatus* and *Sitophilus oryzae* on maize: the species that gets there first matters. *Bulletin of Entomological Research* 112: 520-527.
318. Ksoura T., Agrafioti P., Tsiropoulos N. G. and Athanassiou C. G. (2021). Residual efficacy of spinetoram on wheat and maize against *Rhyzopertha dominica* and *Sitophilus oryzae*. *Journal of Stored Products Research* 95: 101900.
319. Lampiri E., Baliota G. V., Morrison M. R. III, Domingue M. J. and Athanassiou C. G. (2021). Comparative population growth of the khapra beetle (Coleoptera: Dermestidae) and the warehouse beetle (Coleoptera: Dermestidae) on wheat and rice. *Journal of Economic Entomology* 115: 344-352.
320. Zeni V., Baliota G. V., Benelli G., Canale A. and Athanassiou C. G. (2021). Diatomaceous earth for arthropod pest control: Back to the future. *Molecules* 26: 7487.
321. Karakasis A., Lampiri E., Rumbos C. I. and Athanassiou C. G. (2021). Factors affecting adult captures of the cotton bollworm, *Helicoverpa armigera* (Hübner) (Lepidoptera: Noctuidae) in pheromone-baited traps. *Agronomy* 21: 2539.
322. Baliota G. V., Lampiri E. and Athanassiou C. G. (2022). Differential effects of abiotic factors on the insecticidal efficacy of diatomaceous earth against three major stored product beetle species. *Agronomy* 12: 156.
323. Adamaki-Sotiraki C., Rumbos C. I. and Athanassiou C. G. (2022). Strain effect on the adult performance of the yellow mealworm, *Tenebrio molitor* L. *Journal of Insects for Food and Feed* (in press).
324. Hasan M. M., Hasan M. M., Rahman A. S. M. S., Athanassiou C. G., Tussey D. A. and Hahn D. A. (2022). Induced dormancy in Indian meal moth, *Plodia interpunctella* (Hübner) and its impact on the quality improvement for mass rearing

- in parasitoid *Harbobracon hebetor* (Say). *Bulletin of Entomological Research* (in press).
325. **Sakka M. K., Gatzali F., Karathanos V. and Athanassiou C. G. (2022).** Efficacy of low oxygen against *Trogoderma granarium* (Everts), *Tribolium castaneum* (Herbst) and *Callosobruchus maculatus* (F.) in commercial applications. *Journal of Stored Products Research* 97: 101968.
 326. **Morrison W. R., Arthur F. H., Athanassiou C. G., Lampiri E., Wilson L. T., Yang Y. and Wang J. (2022).** Modelling of *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae) based on historical weather data indicates aeration is effective for management of wheat stored in Greece. *Computers and Electronics in Agriculture* 197: 106929.
 327. **Baliota G. V., Lampiri E., Batzogianni E. and Athanassiou C. G. (2022).** Insecticidal effects of four insecticides for the control of different populations of three stored-product beetle species. *Insects* 13: 325.
 328. **Adler C., Athanassiou C. G., Carvalho M. O., Emecki M., Gvozdenac S., Hamel D., Riudavets J., Stejskal V., Trdan S. and Trematerra P. (2022).** Changes in the distribution and pest risk of stored product insects in Europe due to global warming: need for pan-European pest monitoring and improved food-safety. *Journal of Stored Products Research* 97: 101977.
 329. **Agrafioti P., Kaloudis E. and Athanassiou C. G. (2022).** Utilizing low oxygen to mitigate resistance of stored product insects to phosphine. *Journal of the Science of Food and Agriculture* 102: 6080-6087.
 330. **Stopar K., Trdan S., Bartol T., Arthur F. H. and Athanassiou C. G. (2022).** Research on stored products: a bibliometric analysis of the leading journal of the field for the years 1965-2020. *Journal of Stored Products Research* 98: 101980.
 331. **Baliota G. V., Edde P. A., Kudithipudi C., Reid T. J., Clay M. B., Carroll A. N. and Athanassiou C. G. (2022).** Evaluation of the susceptibility of new low nicotine tobacco cultivars to phosphine resistant and susceptible populations of *Lasioderma serricorne* (F.) (Coleoptera: Anobiidae). *Journal of Stored Products Research* 97: 101984.
 332. **Gourgouta M., Rumbos C. I. and Athanassiou (2022).** Impact of diatomaceous earth on adults and larvae of the yellow mealworm, *Tenebrio molitor* L. *Journal of Stored Product Research* 98: 101987.
 333. **Moisidis I. C., Sakka M. K., Karanguran R., Losic D. and Athanassiou C. G. (2022).** Insecticidal effect of graphene against three stored product beetle species on wheat. *Journal of Stored Products Research* 98: 101999.
 334. **Gourgouta M., Rumbos C. I., Michail V. and Athanassiou (2022).** Valorization of agricultural side-streams for the rearing of larvae of the lesser mealworm, *Alphitobius diaperinus*. *Sustainability* 14: 7680.
 335. **Brabec C., Kaloudis E., Athanassiou C. G., Campbell J., Agrafioti P., Scheff D. S., Bantas S. and Sotiroudas V. (2022).** Fumigation monitoring and modelling of hopper-bottom railcars loaded with corn grits. *Journal of Biosystems Engineering* 47: 358-369.
 336. **Lampiri E., Agrafioti P., Vagelas I. and Athanassiou C. G. (2022).** Insecticidal effect of an enhanced attapulgit for the control of four stored-product beetle species. *Agronomy* 12: 1495.
 337. **Sakka M. K., Jagadeesan R., Nayak M. K. and Athanassiou C. G. (2022).** Insecticidal effect of heat treatment in commercial flour and rice mills for the control of phosphine-resistant insect pests. *Journal of Stored Products Research* (in press).
 338. **Athanassiou C. G. (2022).** Agrochemicals: shifting from the past to the future with a new journal. *Agrochemicals* 1: 1-2.
 339. **Saglam O., Celik A., Isikber A. A., Bozkurt H., Sakka M. K. and Athanassiou C. G. (2022).** Efficacy of spinetoram for the control of the bean weevil,

Acanthoscelides obtectus (Say) (Coleoptera: Chrysomelidae) on different surfaces. *Insects* 13: 723.

340. **Hasan M. M., Athanassiou C. G. and Hossain M. A. (2022).** Estimating long-term spatial distribution of *Plodia interpunctella* in various food facilities in Rajshahi Municipality, Bangladesh, through pheromone-baited traps. *Scientific Reports* (in press).
341. **Agrafioti P., Lampiri E., Igoumenidis P. E., Karathanos V. T., Perdikaris A. and Athanassiou C. G. (2022).** Population growth changes in major stored product insects on rice fortified with spearmint and basil. *Agronomy* 12: 2088.
342. **Sakka M. K. and Athanassiou C. G. (2022).** Population growth of stored product insects on wheat containing wheat bugs. *Journal of Plant Diseases and Protection* (in press).