

Reference List

1. Ramsey, S.D., Ochoa, R., Bauchan, G., Gulbronson, C., Mowery, J.D., Cohen, A., Lim, D., Joklik, J., Cicero, J.M., Ellis, J.D. and Hawthorne, D., 2019. Varroa destructor feeds primarily on honey bee fat body tissue and not hemolymph. *Proceedings of the National Academy of Sciences*, 116(5), pp.1792-1801.
2. McMenamin AJ, Genersch E: Honey bee colony losses and associated viruses. *Curr Opin Insect Sci*, 2015, 8:121–129.
3. Guzmán-Novoa E, Eccles L, Calvete Y, McGowan J, Kelly PG, Correa-Benítez A: *Varroa destructor* is the main culprit for the death and reduced populations of overwintered honey bee (*Apis mellifera*) colonies in Ontario, Canada. *Apidologie* 2010, 41:443-450.
4. Genersch E: Honey bee pathology: current threats to honey bees and beekeeping. *Appl Microbiol Biotechnol* 2010, 87:87-97.
5. Rosenkranz P, Aumeier P, Ziegelmann B: Biology and control of *Varroa destructor*. *J Invertebr Pathol* 2010, 103:S96–S119.
6. Stanimirović Z, Glavinić U, Ristanić M, Aleksić N, Jovanović N, Vejnović B, Stevanović J (2019) Looking for the causes of and solutions to the issue of honey bee colony losses. *Acta Veterinaria Beograd*, 69 (1) 1-31.
7. Stanimirović Z, Glavinić U, Lakic N, Radovic D, Ristanic M, Taric E, Stevanovic J (2017) Efficacy of plant-derived formulation “Argus Ras” in *Varroa destructor* control. *Acta Veterinaria-Beograd* 67 (2) 191-200.
8. Mullin CA, Frazier M, Frazier JL, Ashcraft S, Simonds R, Pettis JS: High levels of miticides and agrochemicals in North American apiaries: implications for honey bee health. *PLoS One* 2010, 5:e9754.
9. Wallner K: Varroacides and their residues in bee products. *Apidologie* 1999, 30:235-248.
10. Stanimirović Z, Stevanović J, Jovanović S, Andjelković M: Evaluation of genotoxic effects of Apitol® (cymiazole hydrochloride) *in vitro* by measurement of sister chromatid exchange. *Mutat Res-Gen Tox En* 2005, 588:152-157.
11. Radaković M, Stevanović J, Djelić N, Lakic N, Knezević-Vukcević J, Vuković-Gaćić B, Stanimirović Z: Evaluation of the DNA damaging effects of amitraz on human lymphocytes in the Comet assay. *J Biosciences* 2013, 38:53-62.
12. Glavinić U, Jovanović N, Stevanović J, Žikić B, Aleksić N, Stanimirović Z (2018) Suplementi sa litijumskim helatima imaju i antivarozni efekat, *Srpski pčelar* (10) 595 – 600.
13. Glavinić U, Jovanović N, Ristanic M, Vejnović B, Stevanović J, Aleksić N, Stanimirović Z (2019a) Anti-varroa effect of lithium salts, Book of Abstracts, 24. Annual Counselling of Doctors of Veterinary Medicine of Republic of Srpska (Bosnia and Herzegovina) International Scientific Meeting, 12-15. jun 2019, pp. 89-92, Bijeljina, Etno selo Stanisici, BiH

14. Szklarska, D. and Rzymski, P., 2019. Is Lithium a Micronutrient? From biological activity and epidemiological observation to food fortification. *Biological trace element research*, 189(1), pp.18-27.
15. Bogdanov, S., 2009. Honey composition. *The honey book*, pp.1-9.
16. Glavinic U, Stankovic B, Draskovic V, Stevanovic J, Petrovic T, Lakic N, Stanimirovic Z (2017) Dietary amino acid and vitamin complex protects honey bee from immunosuppression caused by *Nosema ceranae*. *PLoS ONE* 12 (11) e0187726.
17. Glavinic U, Tesovnik T, Stevanovic J, Zorc M, Cizelj I, Stanimirovic Z, Narat M (2019b) Response of adult honey bees treated in larval stage with prochloraz to infection with *Nosema ceranae*. *PeerJ* 7:e6325.
18. Tesovnik T, Zorc M, Ristanić M, Glavinić U, Stevanović J, Narat M, Stanimirović Z (2019) Exposure of honey bee larvae to thiamethoxam and its interaction with *Nosema ceranae* infection in adult honey bees. *Environmental Pollution*, 113443.
19. Cirkovic D, Stevanovic J, Glavinic U, Aleksic N, Djuric S, Aleksic J, Stanimirovic Z (2018) Honey bee viruses in Serbian colonies of different strength. *PeerJ* 6:e5887.
20. Stevanovic J, Stanimirovic Z, Simeunovic P, Lakic N, Radovic I, Sokovic M, Van Griensven JLD Leo (2018) The effect of *Agaricus brasiliensis* extract supplementation on honey bee colonies. *Anais da Academia Brasileira de Ciências* 90 (1) 219-229
21. Williams GR, Alaux C, Costa C, Csaki T, Doublet V, Eisenhardt D, Fries I, Kuhn R, McMahon DP, Medrzycki P, Murray TE, Natsopoulou ME, Neumann P, Oliver R, Paxton RJ, Pernal SF, Shutler D, Tanner G, van der Steen JJM, Brodschneider R (2013) Standard methods for maintaining adult *Apis mellifera* in cages under in vitro laboratory conditions. In: V Dietemann, JD Ellis, P Neumann (Eds.) The COLOSS BEEBOOK, Volume I: Standard methods for *Apis mellifera* research. *Journal of Apicultural Research* 52 (1) 1-36.
22. Ziegelmann B, Abele E, Hannus S, Beitzinger M, Berg S, Rosenkranz P. (2018). Lithium chloride effectively kills the honey bee parasite *Varroa destructor* by a systemic mode of action. *Scientific reports*, 8(1), 683.
23. Nikolic VT, Purac J, Orcic S, Kojic D, Vujanovic D, Stanimirovic Z, Grzetic I, Ilijevic K, Sikoparija B, Blagojevic P D (2015) Environmental effects on superoxide dismutase and catalase activity and expression in honey bee. *Archives of Insect Biochemistry and Physiology* 90 (4) 181-194.
24. Orčić S, Nikolić, T, Purać J, Šikoparija B, Blagojević DP, Vukašinović E, Plavša N, Stevanovic J, Kojić D (2017) Seasonal variation in the activity of selected antioxidant enzymes and malondialdehyde level in worker honey bees. *Entomologia Experimentalis et Applicata*, 165 (2-3) 120-128.
25. Kojić, D, Purać J, Nikolić Č, Orčić D, Vujanović D, Ilijević K, Vukašinović E, Blagojević D (2019) Oxidative stress and the activity of antioxidative defense enzymes in overwintering honey bees. *Entomologia Generalis*.
26. Ricigliano VA, Mott BM, Maes PW, Floyd AS, Fitz W, Copeland DC, Meikle WG, Anderson KE (2019) Honey bee colony performance and health are enhanced by apiary proximity to US Conservation Reserve Program (CRP) lands. *Scientific Reports*, 9(1), 4894.

27. Li C, Xu B, Wang Y, Yang Z, Yang W (2014) Protein content in larval diet affects adult longevity and antioxidant gene expression in honey bee workers. *Entomologia Experimentalis et Applicata*, 151 (1) 19-26.
28. Delaplane KS, van der Steen J, Guzman-Novoa E (2013). Standard methods for estimating strength parameters of *Apis mellifera* colonies. . In: V Dietemann, JD Ellis & P Neumann (Eds.) The COLOSS BEEBOOK, Volume I: Standard methods for *Apis mellifera* research. *Journal of Apicultural Research* 52 (1) 1-36.
29. Goodwin M, Van Eaton C, 2001, Control of varroa: A guide for New Zealand beekeepers, New Zealand Ministry of Agriculture and Forestry, Wellington.
30. Dietemann V, Nazzi F, Martin SJ, Anderson D, Locke B, Delaplane KS, Wauquiez Q, Tannahill C, Frey E, Ziegelmann B, Rosenkranz P, Ellis JD (2013) In: Dietemann V, Ellis JD, Neumann P (Eds.) The COLOSS BEEBOOK, Volume II: Standard methods for Varroa research. Volume II: Standard methods for *Apis mellifera* research. *Journal of Apicultural Research* 2013, 52(1)
31. Branchiccela B, Castelli L, Corona M, Díaz-Cetti S, Invernizzi C, de la Escalera GM, Mendoza Y, Santos E, Silva C, Zunino P, Antúnez K (2019) Impact of nutritional stress on the honeybee colony health. *Scientific reports* 9(1) 1-11.
32. Stanimirovic Z, Stevanovic J, Cirkovic D (2005) Behavioural defenses of the honey bee ecotype from Sjenica – Pester against *Varroa destructor*. *Acta Veterinaria-Beograd* 55 (1) 69-82.
33. Stanimirovic Z, Aleksic N, Stevanovic J, Cirkovic D, Mirilovic M, Djelic N, Stojic V (2011) The influence of pulverised sugar dusting on the degree of infestation of honey bee colonies with *Varroa destructor*. *Acta Veterinaria Beograd* 61 (2-3) 309-325.
34. Mondet, F., Alaux, C., Severac, D., Rohmer, M., Mercer, A.R. and Le Conte, Y., 2015. Antennae hold a key to Varroa-sensitive hygiene behaviour in honey bees. *Scientific reports*, 5, p.10454.
35. Chantawannakul P, Ward L, Boonham N, Brown M (2006) A scientific note on the detection of honeybee viruses using real-time PCR (TaqMan) in *Varroa* mites collected from a Tai honeybee (*Apis mellifera*) apiary. *Journal of Invertebrate Pathology*, 91, 69–73.
36. DeGrandi-Hoffman G, Chen Y, Rivera R, Carroll M, Chambers M, Hidalgo G, De Jong EW (2016) Honey bee colonies provided with natural forage have lower pathogen loads and higher overwinter survival than those fed protein supplements. *Apidologie*, 47 (2) 186–196.
37. Taric E, Glavinic U, Stevanovic J, Vejnovic B, Aleksic N, Dimitrijevic V, Stanimirovic Z (2019). Occurrence of honey bee (*Apis mellifera* L.) pathogens in commercial and traditional hives. *Journal of Apicultural Research*, 58(3), 433-443.

