

## ***Publication of Scientific Papers and Books***

1. Talaei-Hasanlouei, R., Bakhshaei, R., Hosseini-naveh, V. and **Khorrarnnejad, A.** 2013. Effect of midgut proteolytic activity on susceptibility of lepidopteran larvae to *Bacillus thuringiensis* subsp. *kurstaki*. *Frontiers in Physiology* 4: 406 (1-6).
2. **Khorrarnnejad A.**, Talaei-Hasanlouei R. and Ghassemi-Kahrizeh A. 2016. Evaluating the virulence of *Bacillus thuringiensis* strains isolated from host and different habitats on diamondback moth, *Plutella xylostella* (Lep.:Plutellidae). *Biological Control of Pests and Plant Diseases* 4(2): 167-172.
3. Ghassemi-Kahrizeh, A., **Khorrarnnejad, A.** and Talaei-Hasanlouei, R. 2017. Isolation, characterization and toxicity of native *Bacillus thuringiensis* from host and different habits in Iran. *Journal of Plant Protection Research* 57(3): 217-223.
4. **Khorrarnnejad, A.**, Bel, Y., Hernández-Martínez, P., Talaei-Hasanlouei, R. and Escriche, B. 2018. Insecticidal activity and cytotoxicity of *Bacillus thuringiensis* CryIIa protein. *GMOs in Integrated Plant Protection IOBC-WPRS Bulletin*. 131: 56-63.
5. **Khorrarnnejad, A.**, Talaei-Hasanlouei, R., Hosseini-naveh, V., Bel, Y. and Escriche, B. 2018. Characterization of new *Bacillus thuringiensis* strains from Iran, based on cytotoxic and insecticidal activity, proteomic analysis and gene content. *BioControl* 63: 807-818.
6. **Khorrarnnejad, A.**, Escriche, B., Bel, Y. 2019. Obtencion de colecciones de *Bacillus thuringiensis* para el descubrimiento de nuevas cepas y nuevas proteínas con actividad insecticida. In: Tena A, Bielza P, Ferré J. (eds) Boletín de la Sociedad Española de Entomología Aplicada. SEEA, Madrid, pp. 41-46.
7. **Khorrarnnejad, A.**, Domínguez-Arrizabalaga, M., Caballero, P., Escriche B. and Bel Y. 2020. Study of the *Bacillus thuringiensis* CryIIa protein oligomerization promoted by midgut brush border membrane vesicles of Lepidopteran and Coleopteran insects, or cultured insect cells. *Toxins* 12:133.
8. Hernández-Martínez, P., **Khorrarnnejad, A.\***, Prentice, K., Vera-Velasco, N., Smagge, G. and Escriche, B. 2020. The independent biological activity of *Bacillus thuringiensis* Cry23Aa protein against *Cylas puncticollis*. *Frontiers in Microbiology* 11:1734. doi: 10.3389/fmicb.2020.01734 (**Co-first author**)
9. **Khorrarnnejad, A.**, Gomis-Cebolla, Q., Talaei-Hasanlouei, R., Bel, Y., and Escriche, B. 2020. Genomics and proteomics analyses revealed novel putative pesticidal proteins in a lepidopteran-toxic *Bacillus thuringiensis* strain. *Toxins* 12: 673.
10. Haraji, S., Talaei-Hasanlouei, R., **Khorrarnnejad, A.**, Hosseini naveh, V. 2020. Non-cellular response of flour moth, *Ephesia kuehniella* challenged with *Bacillus thuringiensis* and *Beauveria bassiana*. *Iranian Journal of Plant Protection Science*. 9: 29-35. 10.22059/jbioc.2020.301344.290.
11. Ashjaei, Z., Talaei-Hasanlouei, R., **Khorrarnnejad, A.**, Talebi Jahromi, K. 2021. Optimizing suspensibility, stability and virulence of commercial products of *Bacillus thuringiensis*. *Iranian Journal of Plant Protection Science* 52 (1), 81-89.
12. **Khorrarnnejad A.**, Karimi J., Jouzani G.S. (2021) Progress on the Bacterium *Bacillus thuringiensis* and Its Application Within the Biological Control Program in Iran. In: Karimi J., Madadi H. (eds) *Biological Control of Insect and Mite Pests in Iran*. Progress in Biological Control, vol 18. Springer, Cham. [https://doi.org/10.1007/978-3-030-63990-7\\_10](https://doi.org/10.1007/978-3-030-63990-7_10).
13. **Khorrarnnejad, A.**, Perdomo, H.D., Palatini, U., Bonizzoni, M., Gasmi, L. 2021. Cross Talk between Viruses and Insect Cells Cytoskeleton. *Viruses*, 13, 1658. <https://doi.org/10.3390/v13081658>.
14. **Khorrarnnejad, A.**, Bel, Y., Talaei-Hasanlouei, R., Escriche, B. 2022. Activation of *Bacillus thuringiensis* CryII to a 50 kDa stable core impairs its full toxicity to *Ostrinia nubilalis*. *Applied Microbiology and Biotechnology*, 106(4), 1745-1758.
15. Torkaman, Z., Talaei-Hasanlouei, R., **Khorrarnnejad, A.**, Pashaei, M. 2023. Effects of endophytism by *Beauveria bassiana* (Asc., Cordycipitaceae) on plant growth, Fusarium disease and Sunn pest *Eurygaster integriceps* (Hem., Scutelleridae) in wheat. *The Canadian Entomologist*. Accepted.