

Short Bio/description (Masoud Zaker)

Fields of Interest:

1-Research on botanical pesticides such plant extracts and essential oil formulation as eco-friendly alternatives in order to minimizing chemicals pesticides used in plant protection

2-Research on antifungal properties of organic and inorganic salts as safe alternatives in order to minimizing chemicals pesticides used in plant protection.

3-Research on biological control of plant diseases with antagonistic microorganisms

Reviewer of manuscripts related to plant pathology for Journals such as : Natural Product Research, Biological Agriculture & Horticulture, Journal of the Science of Food and Agriculture, The Philippine Agricultural Scientist, Annals of Applied Biology, Archives of Phytopathology and Plant Protection, Scientific Research & Assays, etc.

Some of published papers:

1 – Dizadji, A., **Zaker, M.**, Esmaealzadeh-Hosseini, A.R., Heydarian, A. & Ershad, J. 2007. Fungal agents associated with root and crown rot of almond trees decline in East Azarbaijan, Semnam, Yazd and Charmahal-va-bakhtiari provinces. Agricultural Research (Water, soil & plant in Agriculture). 6 (1) : 1-15. (In persian with English abstract).

2 – **Zaker, M.** 2008. A survey on species of Pythiaceae, the causal agents of pink rot & leak of potato in Semnan province and introduction of potato as new host for *Phytophthora megasperma* and *Pythium ultimum* in Iran. Agricultural Research (Water, soil & plant in Agriculture). 7 (4) : 247-255. (In persian with English abstract).

3 – **Zaker, M.** & Mohammadi, A.R. 2009. Study on the effect of Ridomil Gold for controlling pink rot of potato during storage. Agricultural Research (Water, soil & plant in Agriculture). 8 (2): 59-68. (In persian with English abstract).

4 -**Zaker, M.** & Mosallanejad, H. 2010. Antifungal Activity of Some Plant Extracts on *Alternaria alternata*, the Causal Agent of Alternaria Leaf Spot of potato. Pakistan Journal of Biological Sciences. 13 (21): 1023-1029.

5 –Abdollahi, M., Ommati, F. & **Zaker, M.** 2012. The *in vitro* Efficacy of *Trichoderma* Isolates Against *Pythium aphanidermatum* , the Causal Agent of Sugar Beet Root Rot. Journal of Research in Agricultural Science. 8 (1): 79 – 87.

- 6 -Ommati, F. & **Zaker, M.** 2012. In vitro and greenhouse evaluations of *Trichoderma* isolates for biological control of potato wilt disease (*Fusarium solani*).. Archives of Phytopathology and Plant Protection. 45 (13–16): 1715–1723.
- 7 -Ommati, F. & **Zaker, M.** 2012. Evaluation of some *Trichoderma* isolates for biological control of potato wilt disease (*Fusarium oxysporum*) under lab. and green house conditions. Journal of Crop Protection. 1 (4): 279-286.
- 8 –Abdollahi, M., Ommati, F. & **Zaker, M.** 2013. Efficacy of some native *Trichoderma* isolates in biological control of *Pythium aphanidermatum*, the causal agent of sugar beet root rot under green house condition. Biocontrol in Plant Protection. 1 (1): 41-52. (In persian with English abstract).
- 9 – **Zaker, M.** 2013. Screening of some medicinal plant extracts against *Alternaria sesami*, the causal agent of Alternaria leaf spot of sesame. Journal of Ornamental and Horticultural Plants. 3(1): 1-8.
- 10 - Ommati, F., **Zaker, M.** & Mohammadi, A.R. 2013. Biological control of Fusarium wilt of potato (*Fusarium oxysporum* f. sp. *tuberosi*) by *Trichoderma* isolates under field condition and their effect on yield. Journal of Crop Protection. 2(4): 435-442.
- 11 - Ghadiri, M.R., Dalili, A.R., Frotan, A.R., **Zaker, M.**, Rahmanifard, B. & Dalili, M. 2013. Study on Antifungal Activity of Some Salts on Growth and Dry Rot Development of *Fusarium solani* (Mart.) Sacc. Am-Eurasian Journal of Agric. & Environ. Sciences. 13(5): 668 – 672.
- 12 - **Zaker, M.** Antifungal Evaluation of Some Plant Extracts in Controlling *Fusarium solani*, the Causal Agent of Potato Dry Rot *In vitro* and *In vivo*. 2014. International Journal of Agriculture and Biosciences. 3 (4): 190-195.
- 13 - **Zaker, M.** Antifungal Evaluation of Some Inorganic Salts Against Three Phytopathogenic Fungi. 2014. International Journal of Agriculture and Crop Sciences. 7 (14): 1352-1358.
- 14 – Ommati, F & **Zaker, M.** 2014. Role of infected Plant Parts in Development and Survival of Fire Blight of Pome Fruits (*Erwinia amylovora*). Journal of Applied Reserach in Plant Protection. 4(2): 57-68. (In persian with English abstract).