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Research Interests:

- 1- Molecular mechanism of fungal pathogenesis
- 2- Molecular mechanism of plant defenses

Papers in national & international journals:

- 1- Zamani M.R., M. Motallebi, and A. Hosseinzadeh Colagar. 1998. "Virulence and polymorphic DNA relationships of *Ascochyta rabiei* to geographical regions". Iranian Journal of Biology. 7:1-17.
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- 6- Motallebi M, M.R. Zamani, and B. Saffar. 2001. "Identification of specific proteins associated with virulence plasmid of *Yersinia enterocolitica* isolated from chicken in Iran". Iranian Journal of Science and Technology, 25 (1): 1-7.
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- 11- O'Brien P.A. & M.R. Zamani. 2003. "Production of pectic enzymes by barepatch isolates of *Rhizoctonia solani* (AG-8)". *Australasian Plant Pathology*, 32(1): 65-72.
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- 13- Alani B., M. Motallebi., and M.R. Zamani. 2004. "Purification and partial characterization of polygalacturonase from highly virulent (HV) isolate of *Fusarium oxysporum* (F23)." *Iranian Journal of Biology*. 16(4) : 1-11.
- 14- Zamani MR., M. Motallebi., and A. Rostamian. 2004. "Characterization of Iranian isolates of *Fusarium oxysporum* on the basis of RAPD analysis, virulence, and vegetative compatibility". *Journal of Phytopathology*. 152 (8-9): 499-503.
- 15- Alani B., M.R. Zamani , and M. Motallebi.. 2004. " Study of polygalacturonase from weakly virulent (WV) isolate of *Fusarium oxysporum* (F58)". *Pajouhesh-va-Sazandegi*. 63: 96-103.
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- 27- Harighi M.J., Motallebi M., and Zamani M.R. 2006. "Purification of chitinase 42 from *Trichoderma atroviride* PTCC5220". Iranian Journal of Biology. 19(2): 203- 214.
- 28- Harighi M.J., Motallebi M. , and Zamani M.R. 2006. "Antifungal activity of heterologous expressed chitinase 42 (Chit42) from *Trichoderma atroviride* PTCC5220". Iranian Journal of Biotechnology. 4(2): 95-103.
- 29- Harighi M.J., Zamani M.R., and Motallebi M. 2007. " Evaluation of antifungal activity of purified chitinase 42 from *Trichoderma atroviride* PTCC5220." Biotechnology, 6(1): 28-33.
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- 37- Raoufzadeh S., Motallebi M., and Zamani M.R. 2008. "Isolation, cloning, and partial characterization of *bgn13.1* gene of *Trichoderma virens*-10 a biocontrol agent." American-Eurasian J. Agric. & Environ. Sci., 3(1): 42-49.
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- 42- Rezanezhad H., Zamani M.R., Motallebi M., and Harighi M.J. 2009. "Cloning of *chit42* gene from *Trichoderma atroviride* PTCC5220 and its structure analysis". Iranian Journal of Biology. 22(1): 53-62.

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- 56- Golejani Moghaddam R., Motallebi M., Zamani M. R. and Rezanejad H. 2012. "Optimization of regeneration and transformation of canola, Hyola 308 and RGS003 lines". Journal of Plant Biology. 4(11):47-60.
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- 65- Kheiri H.R., Motallebi M., Zamani M.R. and Deljo A. 2014. "Beta glucanase (Bgn13.1) expressed in transgenic *Brassica napus* confers antifungal activity against *Sclerotinia sclerotiorum*". Journal of Crop Protection. 3(1): 31-42.
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- 3-Zamani M.R., M. Motallebi, and D. Chobineh. 2001. "DNA polymorphism and protein pattern of *Puccinia striiformis* in Wheat". The 10th Iranian Biology conference, Shiraz, 29-33.
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- 13- Jalali A., Zamani M.R., and Motallebi M.. 2005. "Isolation, cloning and sequencing of *chit 36* of *Trichoderma harzianum* 8." 15- 17 Aug., The 4th National Biotechnology Congress, Kerman (Mahan).
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- 17- Harighi M.J., Zamani M.R., and Motallebi M. 2005. "Cloning and sequence analysis of *chit42* gene from *Trichoderma tansarum* for expression." 15- 17 Aug., The 4th National Biotechnology Congress, Kerman (Mahan).
- 18- Hossenzadeh Colagar A., Motallebi M., and Zamani M.R. 2005. "Characterization of Bean polygalacturonase-inhibiting protein genes by mismatch primers, multiplex PCR and cloning". 20 & 21 Nov., The first Iranian Pulse Symposium, Ferdowsi Univ., Mashhad, Iran. 621-624.
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- 24- Rezanejad H., Lotfi K., Zamani. M.R., Motallebi M., Moghaddassi Jahromi Z. and Deljou A. 2007. "Transformation of canola by *chit 42* gene (cDNA and genomic DNA)". 24 - 26 Nov., The 5th National Biotechnology Congress, Tehran, I.R. of Iran.
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- 30- Moradyar M., Zamani M.R., Motallebi M. , Zargari K. 2010. "Transformation of *Brassica napus* by *chit33* gene". 22-24 May, 11th Iranian Genetics Congress, Tehran, Iran.
- 31- Solgi T. , Moradyar M., Motallebi M. , Zamani M. R. and KHosroshahli M. 2010. "Modification of chitinase cDNA from *Trichoderma atroviridae* by SOEing PCR". 22-24 May, 11th Iranian Genetics Congress, Tehran, Iran.
- 32- Esfahani K., Zamani M. R.and Motalebi M. 2010. "Analyses of the effect of different concentrations of kanamycin on the development and growth of *in vitro* seedlings of five potato (*Solanum tuberosum*) cultivars". 24-26 July, 11th Iranian Crop Science Congress, Environmental Sciences research Institute, Shahid Beheshti University, Tehra, Iran.

- 33- Roohi L, Motallebi M., Zamani M.R. and Khosroshahli M. 2010. "Transformation of *Brassica napus* by *bgn1* gene and molecular confirmation of transgenic plants". 11th Iranian Crop Science Congress, Environmental Sciences research Institute, Shahid Beheshti University, Tehra, Iran.
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