

Publications

[Google Scholar Link](#) (All citations= 1194)

Citation indices (i10-index= 13 and h-index = 12)

I. PUBLICATIONS (Refereed Journals):

1) **Masoud, S.A.**, Johnson, L.B. and Sorensen, E.L. (1990). High transmission of paternal plastid DNA in alfalfa plants demonstrated by restriction fragment length polymorphic analysis. *Theoretical and Applied Genetics* 79: 49-55. ([Abstract](#)) ([Link to the Journal](#)) **Latest 5-Year Impact Factor: 3.865**

2) **Masoud, S.A.**, Gill, B.S. and Johnson, L.B. (1991). C-banding of alfalfa chromosomes: standard karyotype and analysis of a somaclonal variant. *Journal of Heredity* 82:335-338. ([Abstract](#)) ([Link to the Journal](#)) **Latest 5-Year Impact Factor: 2.052**

3) **Masoud, S.A.**, Johnson, L.B. and White, F.F. (1992). The sequence within two primers influences the optimum concentration of dimethyl sulfoxide in the PCR. *PCR Methods and Applications (Genome Research)* 2:89-90. ([pdf link](#)) ([Link to the Journal](#)) **Latest 5-Year Impact Factor: 11.342**

4) **Masoud, S.A.**, Johnson, L.B., White, F.F. and Reeck, G.R. (1993). Expression of a cysteine proteinase inhibitor (oryzacystatin-I) in transgenic tobacco plants. *Plant Molecular Biology* 21:655-663. ([Abstract](#)) ([Link to the Journal](#)) **Latest 5-Year Impact Factor: 3.978**

5) Zhu, Q., Maher, E.A., **Masoud, S.**, Dixon, R.A. and Lamb, C.A. (1994). Enhanced protection against fungal attack by constitutive co-expression of chitinase and glucanase genes in transgenic tobacco. *Bio/technology (Nature Biotechnology)* 12:807-812. ([Abstract](#)) ([Link to the Journal](#)) **Latest 5-Year Impact Factor: 29.495**

6) **Masoud, S.A.**, Zhu, Q., Lamb, C.J. and Dixon, R.A. (1996). Constitutive expression of an inducible b-1,3-glucanase in alfalfa reduces disease severity caused by the oomycete pathogen *Phytophthora megasperma* f. sp. *medicaginis*, but does not reduce disease severity of chitin-containing fungi. *Transgenic Research* 5:313-323. ([Abstract](#)) ([Link to the Journal](#)) **Latest 5-Year Impact Factor: 2.467**

7) **Masoud, S.A.**, Ding, X., Johnson, L.B. and White, F.F. (1996). Expression of a corn bifunctional inhibitor of serine proteinase and insect alpha-amylase in transgenic tobacco plants. *Plant Science* 115:59-69. ([Abstract](#)) ([Link to the Journal](#)) **Latest 5-Year Impact Factor: 2.050**

- 8) Sewalt, V.J.H., Ni, W., Blount, J.B., Jung, H.G., **Masoud, S.A.**, Howles, P.A., Lamb, C. and Dixon, R.A. (1997). Reduced lignin content and altered lignin composition in transgenic tobacco down-regulated in expression of L-phenylalanine ammonia-lyase or cinnamate 4-hydroxylase. *Plant Physiology* 115:41-50. ([Abstract](#)) ([Link to the Journal](#)) Latest 5-Year Impact Factor: 6.982
- 9) Hazegh-Azam, M., Kim, S.S., **Masoud, S.**, Andersson, L., White, F., Johnson, L., Muthukrishnan, S. and Reeck, G. (1998). The corn inhibitor of activated Hageman factor: purification and properties of two recombinant forms of the protein. *Protein Expression and Purification* 13(2): 143-149. ([Abstract](#)) ([Link to the Journal](#)) Latest 5-Year Impact Factor: 1.563
- 10) Blount, J.W., Korth, K.L., **Masoud, S.A.**, Rasmussen, S., Lamb, C. and Dixon, R.A. (2000). Altering expression of cinnamic acid 4-hydroxylase in transgenic plants identifies a feedback loop at the entry point into the phenylpropanoid pathway. *Plant Physiology* 122:107-116. ([Abstract](#)) ([Link to the Journal](#)) Latest 5-Year Impact Factor: 6.982
- 11) **Masoud, S. A.** (2002). Specificity of different PCR primers for *Verticillium dahliae* isolated from olive trees in Jordan. *Mutah Lil-Buhuth wad-Dirasat* 17 (3): 89-104. ([Abstract](#)) ([Link to the Journal](#))
- 12) Blount, J.W., **Masoud, S.A.**, Sumner, L.W., Huhman, D. and Dixon, R.A. (2002) Over-expression of cinnamate 4-hydroxylase leads to increased accumulation of acetosyringone in elicited tobacco cell-suspension cultures. *Planta* 214:902-910. ([Abstract](#)) ([Link to the Journal](#)) Latest 5-Year Impact Factor: 3.372
- 13) Migdadi, H., Tell, A. and **Masoud, S.** (2003). Performance of some *Aegilops* species under different water regimes (Research note). *Dirasat, Agriculture Sciences* 30 (2):166-177. ([Abstract](#)) ([Link to the Journal](#))
- 14) Migdadi, H. M., Tell, A. M. and **Masoud, S. A.** (2004). Genetic diversity in some *Aegilops* species in Jordan revealed using RAPD. *Plant Genetic Resources Newsletter* 139:47-52. ([Abstract](#)) ([Link to the Journal](#))
- 15) Migdadi, H. M., **Masoud, S. A.** and Tell, A. M. (2004). Randomly amplified polymorphic DNA (RAPD) analysis of some species of *Aegilops*. *Dirasat, Agriculture Sciences* 31 (1):53-59. ([Abstract](#)) ([Link to the Journal](#))
- 16) Karajeh, M., Abu-Gharbieh, W. and **Masoud, S.** (2005). First report of the root-knot nematode *Meloidogyne arenaria* Race 2 from several vegetable crops in Jordan. *Plant Disease* 89:206. ([Abstract](#)) ([Link to the Journal](#)); Published by The American Phytopathological Society)
- 17) Abu-Gharbieh, W. I., Karajeh, M. and **Masoud, S.** (2005). Current distribution of the root-knot nematodes (*Meloidogyne* species and races) in Jordan. *Jordan Journal of Agriculture Sciences* 1(1): 43-47. ([Abstract](#)) ([Link to the Journal](#))

- 18) Karajeh, M., Abu-Gharbieh, W. and **Masoud, S.** (2005). Virulence of root-knot nematodes, *Meloidogyne* spp., on tomato bearing the Mi gene for resistance. *Phytopathologia Mediterranea* 44(1): 24-28. ([Abstract](#)) ([Link to the Journal](#))
- 19) Al-Nashash, Aida, Migdadi, H., Saoub, H. and **Masoud, S.** (2005). Evaluation of Jordanian barley (*Hordeum vulgare* L) landraces collected from diverse environments. **Dirasat: Agricultural Sciences** 32 (2). ([Abstract](#)) ([Link to the Journal](#))
- 20) Karajeh, M. and **Masoud, S.A** (2006) Molecular Detection of *Verticillium dahliae* Kleb. in Asymptomatic Olive Trees. *J. Phytopathology* 154:496-499. ([Abstract](#)) ([Link to the Journal](#)) **Latest 5-Year Impact Factor: 0.983**
- 21) Al-Khatib, M., Abu-Blan, H. and **Masoud, S.** (2006). Determination of resistance of locally grown tomato varieties to *Fusarium oxysporum* f. sp. *lycopersici* in Jordan under greenhouse conditions. *Jordan Journal of Agricultural Sciences* 2 (3):251-256. ([Abstract](#)) ([Link to the Journal](#))
- 22) Karajeh, M.R., Abu-Gharbieh, W. I. and **Masoud, S.** (2006). A comparison among diagnostic means used to identify root-knot nematodes (*Meloidogyne* species and races) from Jordan. *Pak. J. Nematol.* 24(1): 27-38. ([Abstract](#)) ([Link to the Journal](#))
- 23) Al-Nashash, A., Migdadi, H., Shatnawi, M. A., Saoub, H. and **Masoud, S.** (2007). Assessment of genetic variation among Jordanian barley landraces (*Hordeum vulgare* L.) as revealed by molecular markers. *American-Eurasian J. Agricultural Environ. Sci.* 2 (1): 68-74. ([Abstract](#)) ([Link to the Journal](#))
- 24) Shoumalia, L., Masoud, H., Khlaif, H., Migdadi, H. and **Masoud, S.** (2007). Serologic and molecular characterization of *Pseudomonas aeruginosa* Jordanian clinical isolates compared with the strains of International Antigenic Typing Scheme. *Diagnostic Microbiology and Infectious Disease* 58:393-398. ([Abstract](#)) ([Link to the Journal](#)) **Latest 5-Year Impact Factor: 2.451**
- 25) Al-Nashash, A., Migdadi, H., Shatnawi, M. A., Saoub, H. and **Masoud, S.** (2007). Assessment of phenotypic diversity among Jordanian barley landraces (*Hordeum vulgare* L.). *Biotechnology* 6 (2): 232-238. ([Abstract](#)) ([Link to the Journal](#))
- 26) Karajeh, M.R., Abu-Gharbieh, W.I. and **Masoud, S. A.** (2010). DNA extraction and PCR-based diagnosis of the root-knot nematodes (*Meloidogyne* species and races) of Jordan. *Jordan Journal of Agricultural Sciences* 6(3):342-352. ([Abstract](#)) ([Link to the Journal](#))

II. PUBLICATIONS (Reviews, book chapter, reports):

- 1) Dixon, R.A., Lamb, C.J., **Masoud, S.A.**, Sewalt, V.J.H. and Paiva, N.L. (1996). Metabolic engineering: Prospect for crop improvement through genetic manipulation of

phenylpropanoid biosynthesis and defense responses. *Gene* 179:61-71. ([Abstract](#)) ([Link to the Journal](#)) Latest Impact Factor=2.416.

2) Dixon, R.A., Lamb, C.J., Paiva, N.L. and **Masoud, S.A.** (1996). Improvement of natural defense responses. In: *Engineering Plants for Commercial Products and Applications; Annals of the New York Academy of Sciences* 792:126-139. (Abstract) ([Link to the Journal](#)).

3) Howles, P., **Masoud, S.A.**, Blount, J.W., Rasmussen, S., Lamb, C. and Dixon, R.A. (1999). Overexpression of L-phenylalanine ammonia-lyase and cinnamate 4-hydroxylase in tobacco cell suspension cultures. In: *Plant Biotechnology and in vitro Biology in the 21st Century*. A. Altman *et al.* (eds), Kluwer Academic Publishers, The Netherlands. PP 297-301. (Abstract) ([Link to the Book](#)).

4) UNDP (2001) Microbiology, biotechnology and biosafety. In: *Biodiversity Strategy and Action Plan-Jordan*. ([Abstract](#)) ([Link to the Report](#)).

5) **Masoud, S. A.**, Karajeh, M. (2003) Diagnosis of *Verticillium dahliae* kleb. latent infection on olive using DNA-fingerprinting techniques in Jordan, *The Higher Council of Science and Technology-Jordan*. ([Abstract](#)) ([Link to the HCST](#)).