

خلاصه سوابق علمی پژوهشی (C.V.)



الف- مشخصات فردی

اسم و نام خانوادگی	احمد موسی پور گرجی		
مرتبه علمی - پژوهشی	استاد بار پژوهشی		
مسئولیت	عضو هیئت علمی و رئیس بخش تحقیقات سبزی، صیفی و حبوبات آبی		
پست الکترونیکی	mousapour_gorji@yahoo.com , mousapour.gorji@gmail.com		
سال اخذ مدرک	نام دانشگاه	رشته تحصیلی	
۱۳۷۴	گیلان	زراعت و اصلاح نباتات	کارشناسی
۱۳۷۷	دانشکده کشاورزی کرج	اصلاح نباتات	کارشناسی ارشد
۲۰۱۱	پانوپیا مجارستان	بیوتکنولوژی گیاهی	دکتری
افزایش کارایی اصلاح برای مقاومت در سیب زمینی با استفاده از روش های مرسوم و ژنتیک مولکولی		عنوان پایان نامه	سوابق تحصیلی
INCREASING THE EFFICIENCY OF POTATO RESISTANCE BREEDING WITH CONVENTIONAL AND MOLECULAR GENETIC METHODS			

EXPERIENCES:

- Utilization of biotechnological methods in different crops, commercial plant breeding and seed propagation, genetics, bioinformatics
- **Teaching:** Quantitative Genetics at the University of Eslamshahr-Tehran (2013-2015).
Advanced Plant Breeding at the University of Eslamshahr-Tehran (2013-2015).
Effect of Environmental Stresses on the Plants Growth at the University of Eslamshahr-Tehran (2013-2015).

Techniques:

1. Expert in some molecular and serology based techniques Including:

Gene expression, Cloning, RT-PCR, PCR, ELISA Test and Tissue Culture

2. Expert in some statistic and molecular genetic software including:

Phylogenetic programs, Primer design software, Map maker software, Genstat, SAS and SPSS

Administrative responsibility

- Head of vegetable research department (SPII). Since 2016
- Deputy of vegetable research department (SPII). 2014-2016
- Head of technical committee of vegetable research department (since 2013).
- Coordinator of potato programs in Iran

PUBLICATIONS list:

Some of the selected publications (2010-2016):

Samaee, M., Modarres-Sanavy, S. A., **Gorji, A. M.**, and Zand. E. 2016. Water use efficiency and water productivity in potato genotypes under water stress conditions. *Journal of soil and water protection*, 6 (1): 15-31.

Hassanpanah, D., **Gorji, A. M.**, Kahbazi, M., Karbalaei Khiavi, Hossein., and Mohammadi, Raouf. 2016. Adaptability Evaluation of 104 Potato Hybrids in Ardabil and Alborz Provinces. *Journal of Crop Ecophysiology*, 10 (1): 121-138.

Sahraei Khosh Gardesh, A., Badii., Hashemi, M., Yasini Ardakani, A., Mafsoonazad, Neda., and **Gorji, A. M.** (2016). Effect of nanochitosan based coating on climacteric behavior and postharvest shelf-life extension of apple cv. *Golab Kohanz*. *LWT - Food Science and Technology*, 70: 33-40.

Karimi, A., **Gorji, A. M.**, and Hassanpanah, D. (2015). Study on stability of advanced potato clones and cultivars using multivariate statistical methods, *Allgemeine Forst Und Jagdzeitung*, 57 (4): 1-8.

Masoumpour, A., **Gorji, A. M.**, and Sharghi, Y. (2015). Study of genetic diversity of different traits in advanced potato clones and cultivars. *Agronomy Journal (Pajouhesh & Sazandegi)*, 104: 193-203.

Naghavi. A. B. H., 1, Alishah, O., and **Gorji, A. M.** (2015). Surveying the genetic diversity of cultivars and lines of tetraploid cottons by the use of qualitative morphologic properties of fibers, *International Journal of Basic Sciences & Applied Research*, 4 (7): 437-441.

- Hassanpanah, D., **Gorji, A. M.**, Kahbazi, M., Karbalaei Khiavi, H., and Mohammadi, R. 2016. Adaptability Evaluation of 104 Potato Hybrids in Ardabil and Alborz Provinces. *Journal of crop echophysiology*, 10(1): 121- 138.
- Ahmadvand, R., Poczai, P., Hajianfar, R., Kolics, B., **Gorji, A. M.**, Polgár, Z., & Taller, J. (2014). Next generation sequencing based development of intron-targeting markers in tetraploid potato and their transferability to other *Solanum* species. *Gene*, 540(1), 117-121.
- Ahmadvand, R., Wolf, I., **Gorji, A. M.**, Polgár, Z., & Taller, J. (2013). Development of Molecular Tools for Distinguishing Between the Highly Similar Rx1 and Rx2 PVX Extreme Resistance Genes in Tetraploid Potato. *Potato Research*, 56: 277-291.
- Hassanabadi, H., **Gorji, A. M.**, Hasanpanah,D., Ahmadvand, R., Parvizi, K., Kazemi, A., Hajianfar, R., and Abdi, H.R. 2013. Khavar, a New Potato Cultivar with High Yielding and Good Quality. *Research Achievement for Field and Horticulture Crops Journal*. 2(1): 67-79.
- Ghanbari, A.A., Mousavi, S.H., **Mousapour Gorji, A.**, and Rao, I. 2013. Effects of water stress on leaves and seeds of bean (*phaseolus vulgaris* l.). *Turkish Journal of Field Crops*. 18(1): 73-77.
- Ahmadvand, R., Hajianfar, R., **Gorji, A. M.**, Cernák, I., Polgár, Z., and Taller, J. (2013) Transcriptom analysis of White Lady in response to PVX, PVY and *Phytophthora infestans* using next generation sequencing. 17th EAPR- EUCARPIA congress, June 30-July 4, Heviz, Hungary. P. 25 (ISBN:978-615-5044-83-0).
- Hajianfar, R., Ahmadvand, R., **Gorji, A. M.**, Cernák, I., Taller, J., and Polgár, Z. (2013) Next generation sequencing based analysis of genes for resistance to *Phytophthora infestans* in cultivar White Lady. 17th EAPR- EUCARPIA congress, June 30-July 4, Heviz, Hungary. P. 26 (ISBN:978-615-5044-83-0).
- El-Banna, A., Ahmadvand, R., **Gorji, A. M.**, Hajianfar, R., Cernák, I., Polgár, Z., and Taller, J. (2013) Isolation and functional analysis of resistance response genes in potato and the development of molecular markers. 17th EAPR- EUCARPIA congress, June 30-July 4, Heviz, Hungary. P. 26 (ISBN:978-615-5044-83-0).
- Gorji, A. M.**, Mátyás, K., Dubleczi, Zs., Decsi1, K., Cernák, I., Decsi, K., Polgar, Z., and Taller, J. (2012) In vitro osmotic stress tolerance in potato and identification of major QTLs. *American Potato Research Journal*. 89: 453-464.
- Gorji, A. M.**, Hassanabadi, H. 2012. Analysis of Growth and Variation in Trend of Some Traits of Potato cv. Agria in Different Planting Dates. *Seed and Plant Production Journal*, 28(2): 187-208.
- Sándor, N., Poczai, P., Cernák, I., **Gorji, A. M.**, Hegedűs, G., and Taller, J. (2012) PICcalc: an online program to calculate polymorphic information content for molecular genetic studies. Biochemical genetic. DOI 10.1007/s10528-012-9509-1.
- Cernák, I., Decsi, K., Yasin, M. A., **Gorji, A. M.**, Ahmadvand, R., Wolf, I., Taller, J., and Polgár, Zs. (2012) Referenciaként használható kapcsoltsági térkép szerkesztése tetraploid burgonyában. In: Veisz Ottó (szerk.) XVIII. Növénynemesítési Tudományos Napok Összefoglalók. Budapest, Magyarország. p. 67.(ISBN:978-

963-8351-38-8).

Gorji, A. M., Poczai, P., Polgar, Z., and Taller, J. (2011) Efficiency of Arbitrarily Amplified Dominant Markers (SCOT, ISSR and RAPD) for Diagnostic Fingerprinting in Tetraploid Potato. *American Potato Research Journal*, 88: 226-237.

Gorji, A. M., Wolf, I., Decsi, K., Taller, J., Ahmadvand, R., and Polgár, Z. (2011) Development of hetero multiplex potato genotypes carrying PVY resistance genes, IX, Magyar Genetikai Kongresszus es XVI, Sejt- és Fejlődésbiológiai Napok, pp 176-177.

Decsi K., **Gorji, A. M.**, Taller, J., Cernak, I., Wolf, I., and Polgár, Z. (2011) Burgonya fitoftóra rezsztencia gén molekuláris markerezése és térképezése, IX, Magyar Genetikai Kongresszus es XVI, Sejt- és Fejlődésbiológiai Napok, pp 206-207.

Poczai, P., Mátyás, K., Szabó, I., Varga, I., Hyvönen, J., Cernák, I., **Gorji, A. M.**, Decsi, K., and Taller, J. (2011) Genetic Variability of Thermal Nymphaea (Nymphaeaceae) Populations Based on ISSR Markers: Implications on Relationships, Hybridization, and Conservation, *Plant Mol Biol Rep* 29: 906-918.

Mátyás, K., Murthy, V., **Gorji, A. M.**, and Taller, J. (2011) Az ürömlevelű parlagfű (*Ambrosia artemisiifolia* L.) populáció genetikai vizsgálata Európában-molekuláris markerek alakalmazásával.

Gorji, A. M., and Polgar Z. (2010) Application of genetic engineering in potato breeding, *Acta Agronomica Hungarica*, 58(4), pp. 427–441.

Poczai, P., Cernák, I., **Gorji, A. M.**, Nagy, S., Taller, J., and Polgár, Z. (2010) Development of intron targeting (IT) markers for potato and cross-species amplification in *Solanum nigrum* (Solanaceae). *American Journal of Botany*, 97: e142-e145.