

A BRIEF CURRICULUM VITAE

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Date of Birth: June-26-1982

Place of Birth: Hormozgan, Bastak, Iran

Nationality: Iranian

Marital status: Married



Interests: Plant Biotechnology, Genetic Engineering and transgenic technology, Plant Tissue Culture, Plant Breeding and Molecular Genetics.

Education:

2013-2017 Ph.D: Biotechnology

Belarusian State University, Minsk/Belarus. Supervisor: Dr. Evtushenkov Anatooli Nikolaevich

Thesis title: Production of transgenic potato plants, resistant to glyphosate and pathogens

2006-2009 Master of Science: Plant Physiology

Shiraz University, Shiraz/Iran. Supervisor: Dr. Sasan Mohsenzadeh

Thesis title: Physiological responses of Date palm seedling (*Phoenix dactylifera*) to osmotic stresses and sex determination survey of seedling using molecular approach

2001-2005 Bachelor of Science: General Biology

Zabol University, Zabol/Iran.

Relevant work experiences:

2018-Present Assistant Professor, Core member of Plant Protection Research Group

2022-Present Head of Agricultural Engineering Department, University of Hormozgan, BandarAbbas/Iran.

My teachings in university:

Introduction to Plant biotechnology, Principles of Plant cell and Tissue Culture, Cytology, Crop breeding, Introduction to Genomics, Introduction to genetic Engineering and Gene transfer, Principles of Plant nutrition, Genetics, Crop Physiology

Honors, Awards, Fellowship, Membership of Professional Societies:

The most superior M.Sc. student in Shiraz University (2006).

Full Foreign Scholarship of Ministry of Science, Research and Technology in Ph.D. Iran, 2013.

Member of Iranian Biology Association.

Member of Iranian Biotechnology Association.

Inventions and patents:

The use of thesis results in the educational process. Patent No. 20114964. Belarus, 2016

Production of transgenic Potato plants, resistant to glyphosate and pathogens, Belarus, 2016

Designing and construction of shattering meter Device for Potato. Patent No. 20141124. Belarus, 2016

Language and Computer skills, Laboratory & workshop Experiences:

Languages: Persian (Native speaker), English (Fluent), Russian (Fluent), Arabic (Intermediate).

Professional softwares: SAS (Statistical software), SPSS, Origin PRo, Office word, PowerPoint and Excel.

Laboratory & workshop Experiences: Participant Workshop on Laboratory of Chemical Solutions, Spectrophotometer 2004, and Participant Workshop on “Real Time PCR Application in Agriculture 2008

Arbitration of scientific articles:

Environmental stresses in crop sciences

Journal of Crop Science Research in Arid Regions

Journal of Plant Environmental Physiology

International Seminars and Congress:

Pasalari Hossein, Evtushenkov A. Nikolaevich (2015). The most important bacterial and fungal diseases of Potato in Belarus and Methodical instructions on estimation of Potato resistance to tuberous rots. The 1-st annual Iranian agriculture research conference. Shiraz, 22 June 2015.

Pasalari Hossein, Jahandideh Abdolghader (2015). Analysis of genetic polymorphism in two rare plant species, through ISSR molecular marker. 4-th Iranian conference of plant physiology (ICPP), Tehran, University of Tarbiat Modarres, 2-3 Sep 2015.

Pasalari, H. Production of transgenic potatoes with the aroA gene / H. Pasalari, A.N. Evtushenkov // Vegetable growing/ Current state and prospects for innovative development of vegetable growing: materials of the International scientific-practical conference Samokhvalovich, 2014 / National Academy of Sciences of Belarus, Institute of Vegetable Growing; Minsk, 2014. - P. 186-190.

Pasalari, H. Production of transgenic potatoes with the aroA gene / H. Pasalari, A.N. Evtushenkov // Vegetable growing / Current state and prospects for innovative development of vegetable growing: materials of the international scientific-practical conference. / National Academy of Sciences of Belarus, Institute of Vegetable Growing; Minsk, 2015. - P. 27-29.

Pasalari, H. Transgenic potatoes resistant to glyphosate / H. Pasalari, A.N. Evtushenkov // Youth in science: International scientific conference. Minsk, November 18 – 21, 2014 / National Academy of Sciences of Belarus; Minsk, 2014. – P. 79.

Pasalari, H. Comparisons between cisgenic / intragenic and transgenic plants as types of genetically engineered plants / H. Pasalari, A.N. Evtushenkov // Transgenic plants: technology of creation, biological properties, application, biosafety: Abstract of fifth All-Russian Symposium. Moscow, December 1-4, 2014 / editorial board. Moscow, 2014. - P. 13-16.

Pasalari, H. Production of transgenic potatoes / H. Pasalari, A.N. Evtushenkov // Genetics and Biotechnology of the 21st Century: Problems, Achievements, and Prospects: Abstract of II International scientific conference. Minsk, October 13-16, 2015 / Institute of Cytology Genetics of the National Academy of Sciences of Belarus; Minsk, 2015 – P. 113.

Pasalari, H. Harmfulness of weeds and ways of its reduction in agrocenoses of field crops / H. Pasalari, A.N. Evtushenkov // Microbial biotechnologies: fundamental and applied aspects: Abstract of IX International scientific conference. Minsk, September 7-11, 2015 / Institute of Microbiology of the National Academy of Sciences of Belarus; Minsk, 2015 - P. 113-114.

Pasalari, H. Agro bacterial transformation of potatoes / H. Pasalari, A.N. Evtushenkov // Abstract of the VI International scientific and practical conference "Actual directions of scientific research: From theory to practice", September 23, 2015, Russia, Cheboksary; Cheboksary, 2015. - P. 14-16.

Pasalari, H. From the *aroA*- gene to transgenic potato plants / H. Pasalari, A.N. Evtushenkov // Youth Scientific Forum: Natural and Medical Sciences: Abstract of XXVI student International Scientific-practical conference. Moscow, September 13, 2015 - Moscow: No. 7 (25). - P. 10-17. - Access mode. – URL: [http://www.nauchforum.ru/archive/MNF_nature/7 (25).pdf]. – Access date: 12/10/2015.

Pasalari, H. Expression of protective response genes in transgenic potato leaves with *aroA* gene / H. Pasalari, A.N. Evtushenkov // Actual problems of science of the XXI century: Abstract of VIII International multidisciplinary conference. Moscow, March 31, 2016 - Moscow, 2016. - P. 12-17.

Pasalari, H. Mohsenzadeh, S. (2008). Sex determination survey of *Date palm* seedling using molecular approach. Proceeding of the 15th National & third International Conference of Biology, Iran, university of Tehran, 19-21 August, 2008, №145. P. 73.

Pasalari Hossein, Jahandideh Abdolghader (2015). Genes and effector proteins *CRN1 CRN2* in various isolates *Phytophthora infestans*. International conference on research in engineering, science and technology, turkey, Istanbul, 21 July 2015. Pp. 1-6.

Hossein Pasalari and Anatoli Nikolaevich Evtushenkov (2016). Plasmid DNA Transformation in *Agrobacterium Tumefaciens*, LBA 4404 by Standard Method $CaCl_2$ / Heat Shock. The third national and first international conference on applied research in biology, Tehran, Iran.

Hemmati Chamran, Nikooei Mehrnoosh, **Pasalari Hossein** (2019). Molecular identification of phytoplasma with wild *lettuce broom* in Hormozgan province. Sixth National Congress of Biology and Natural Sciences of Iran.

Pasalari Hossein, Hemmati Chamran (2018). Antibacterial properties of glyphosate in Potato plant. 1st international congress on agricultural engineering and related industries.

Pasalari Hossein, Ahmadizadeh Mostafa, Asgari Ashkan (2021). Seed priming of Roselle in related to improve seedling characteristics. 21th National Congress and 9 th international congress of Biology of Iran.

Pasalari Hossein (2021). Utilization of reducing potential of *Kalanchoe daigremontiana* extract in production of gold nanoparticles. 21th National Congress and 9 th international congress of Biology of Iran.

Pasalari Hossein (2021). Optimization of pectin production from Carrots, Apples and Orange peel. 21th National Congress and 9th international congress of Biology of Iran.

Pasalari Hossein (2015). Production of transgenic Potato. International Scientific Conference on Genetics and Biotechnology in the 21st Century.

Pasalari Hossein, Jahandideh Abdolghader (2015). Analysis of genetic polymorphism in two rare plant species, through ISSR molecular marker. 4th Iranian conference of plant physiology.

Books:

Pasalari, H., Samsam pour, D. (2021). Biotechnology in *Tecomella undulate*. University of Hormozgan Press.

National and Regional Research projects:

Sex determination survey of Date palm seedling using molecular approach, 2012

Investigation of the Roselle seedling establishment under salinity stress, 2021

Date palm (*Phoenix dactylifera*) Tissue culture, 2022

Some M. Sc. and Ph. D. Thesis supervisor:

Effect of sodium nitroprusside on morphophysiological and essential oil characteristics of *Mentha piperita* L. under salinity stress. (M.Sc. thesis – Kolsoom Arshan- 2022- University of Hormozgan).

Physiological and biochemical changes of peppermint (*Mentha piperita* L.) in response to salinity stress and *Pseudomonas* inoculation. (M.Sc. thesis – Besharati Marzieh- 2022- University of Rafsanjan).

Physiological and biochemical changes of peppermint (*Mentha piperita* L.) in response to drought stress and *Pseudomonas* bacteria interaction. (M.Sc. thesis – Amani Safoora- 2022- University of Rafsanjan).

Published Papers:

S. Mohsenzadeh and **H. Pasalari** (2010). Identification of a male-specific RAPD marker in *Phoenix dactylifera*. The Journal of Horticultural Science & Biotechnology, v.85, № 2, pp. 144-146.

Hossein Pasalari, Anatoli Nikolaevich Evtushenkov (2015). Statistical analysis of growth factors in potato during regeneration with different hormonal treatments. Austrian journal of technical and natural sciences. № 11–12, p. 12-15.

Mohsenzadeh S, **Pasalari H** (2011) Physiological responses of Date palm (*Phoenix dactylifera*) seedling, Zamardan cultivar, to salt and drought stress. Scientific Journal of Agriculture V.34, № 2, P.31-40.

Pasalari, H. Glyphosate resistance of transgenic potatoes with the *aroA* gene / H. Pasalari, O.M. Tretyakova, A.N. Yevtushenkov // Proceedings of BSU. - Ser. biol. Sciences. 2015, 10(1), P. 122-126.

Pasalari, H. Expression of protective response genes in transgenic potato leaves after treatment with glyphosate / H. Pasalari, A. N. Yevtushenkov // Bulletin of the Belarusian State University. V. 2. - 2016. - No. 1. - P. 31-36.

Pasalari, H. Induction of defense response genes in potato leaves under bacterial infection and treatment with glyphosate / H. Pasalari, O.M. Tretyakova, A.N. Evtushenkov // Scientific and practical journal "Agriculture and Plant Protection". V. 2. - 2016. - No. 3 (106). - P.37-39.

Hemmati, Ch. Nikooei, M., and **Pasalari, H.** (2018). *Cota tinctoria* and *Orosius albicinctus*: A new plant host and potential insect vector of ‘*Candidatus Phytoplasma trifolii*’. Australasian Plant Dis. Notes (2018) 13:13., <https://doi.org/10.1007/s13314-018-0298-1>.

Mostafa Ahmadizadeh, Ashkan Asgari, **Hossein Pasalari** (2022). Comprehensive seed priming assessment of *Hibiscus sabdariffa L.* in germination and seedling growth stage under salt stress. Acta agriculturae Slovenica, 118/2, 1-17, Doi:10.14720/aas.2022.118.2.2417.

Pasalari Hossein (2021).The effect of glyphosate on the expression of pathogenesis-related and resistance genes in transgenic potato infected with late blight pathogen. Journal of biosafety, 14(1), 13-18.

Hossein Pasalari and Javad Karimi (2020). Assessment of regeneration of Potato cultivars using *in vitro* culture under different hormonal compositions. Research in Karyotic Cell & Tissue, 2(1), 27-34.

Hossein Pasalari (2020). Investigation of the role of glyphosate in plant response to pathogens. Journal of biosafety, 13(1), 111-120.

Hossein Pasalari, Hemmati Chamran, Anatoli Nikolaevich Evtushenkov (2021). The effect of glyphosate herbicide on the expression of Pathogenesis related

genes and resistance induction in transgenic Potato plants treated with two strains of Potato pathogens. *Journal of plant pathology*, 57(1), 1-10.

Hosseini Pasalari (2021). The relationship between Potato resistance to bacterial soft rot and expression of three PR genes. *Plant pathology science*, 10(1), 76-85.

Pasalari Hossein (2021). Mechanism of action of glyphosate in transgenic potato plants in response to bacterial pathogens, *Pectobacterium atrosepticum* and *Dickeya dadantii*. *Journal of biotechnology of Modares*, 12(3), 47-54.

Pasalari Hossein (2020). Evaluating the resistance of Potato tubers under different temperatures related to Potato bacterial soft rot disease control. *Plant protection (scientific journal of Agriculture)*, 43(3), 35-43.

Pasalari Hossein, Hemmati Chamran (2020). The effect of Glyphosate on Transgenic Potato Plant Harboring *aroA* Gene and Induction of Systemic Acquired Resistance towards two Bacterial Pathogens. *Biotechnology in Agriculture*, 11(2), 51-56.

Kolsoom Arshan, Samsampour Davod, **Pasalari Hossein** (2022). Effect of sodium nitroprusside on morphophysiological of Medicinal plant of *Mentha piperita L.* under salinity stress. *Journal of plant production*, 29(3), 19-37.

Pasalari Hossein (2020). Comparison of out-vitro and in-vitro propagation methods in order to preserve the genetic treasury of *Tecomella undulata*. *Research studies in agricultural sciences*, 60, 18-32.

Pasalari Hossein (2020). Survey of vegetative propagation (cutting propagation) of *Tecomella undulata (Roxb.) Seem.* *Applied research in biology and laboratory sciences*, 60, 69-78.