

Ghasem Hosseini Salekdeh, Ph.D (Genetics)

Agricultural Biotechnology Research Institute of Iran,

www.abrii.ac.ir

Seed & Plant Improvement Campus,

Mahdasht Road, Karaj, Iran.

Tel: +98 261 2709485 - 2708282

Fax: +98 261 2704539

E-mail: h_salekdeh@abrii.ac.ir

hsalekdeh@yahoo.com

<http://scholar.google.com/citations?user=7znfQ3IAAAAJ&hl=en&oi=ao>



Nationality: Iranian

Date of Birth: June 2 1971

Marital status: Married, one son

Positions (National)

- Deputy Director General for Research, Agricultural Biotechnology Research Institute of Iran

Positions (International)

- Council member of Asian and Oceania Human Proteome Organization (AOHUPO) (aohupo.org)
- Council member of Human Proteome Organization (HUPO) (www.hupo.org)
- Chair of AOHUPO Human Embryonic Stem Cell Membrane Proteome Initiative
- Chair of Human Y Chromosome Proteome Project, Human Proteome Project (www.C-HPP.org)
- Secretary General of Agricultural Proteome Organization (www.AOAPO.org)
- Middle East coordinator of International Plant Proteomics Organization (www.inppo.org)
- Member of HUPO Educational Committee

Other activities:

- Editorial board member of **Proteomics, Journal of Proteome Research, Scientific Reports, World Journal of Stem Cell, The Cell Journal, Stem Cells International**

Awards

- National Biotechnology award (2007)
- Best researcher award from Ministry of Agriculture (2008)
- Razi Medical Science award for advance technologies (2009)
- Dr. Hadavi award from Iranian Academy of Medical Sciences for highly cited papers (2010 & 2014)
- Khwarizmi International Award for fundamental research (2010)
- Distinguished Scientist Award (2013)

Production of Biotechnology based products

- Head of group producing human bFGF, SHH, EGF and LIF. These products are being used at Royan Institute (more than 10 billion RIs saving per year). Products are also available commercially through Royan Stem Cell Co. (<http://www.rsct.ir/submenu/BFGF.aspx>).
- Head of group producing polyclonal antibodies. More than 20 human antibodies have been produced which are freely available for any group interested in research on Human H Chromosome.
- Head of group producing 7 kits for DNA and plasmid extraction and PCR product purification which are commercially available through portal of Iranian Biological Resource Center (<http://ibrc.ir/Default.aspx?tabid=746>)

International referee journal Publications

1. Paez-Espino, David; Chen, I-Min A; Palaniappan, Krishna; Ratner, Anna; Chu, Ken; Szeto, Ernest; Pillay, Manoj; Huang, Jinghua; Markowitz, Victor M; Nielsen, Torben; IMG/VR: a database of cultured and uncultured DNA Viruses and retroviruses. 2016. Nucleic Acids Research.
2. Fotovat, R; Alikhani, M; Valizadeh, M; Mirzaei, M; Salekdeh, GH; A proteomics approach to discover drought tolerance proteins in wheat pollen grain at meiosis stage. 2016. Protein and peptide letters.
3. Mousavi, Seyed Ahmad; Pouya, Farhad Movahedi; Ghaffari, Mohammad Reza; Mirzaei, Mehdi; Ghaffari, Akram; Alikhani, Mehdi; Ghareyazie, Mohammad; Komatsu, Setsuko; Haynes, Paul A; Salekdeh, Ghasem Hosseini; PlantPREs: a database for plant proteome response to stress. 2016. Journal of Proteomics
4. Azarbaijani, Reza; Yeganeh, Laleh Parsa; Blom, Jochen; Younesi, Habibollah; Fazeli, Seyyed Abolhassan Shahzadeh; Tabatabaei, Meisam; Salekdeh, Ghasem Hosseini; Comparative genome analysis of Oceanimonas sp. GK1, a halotolerant bacterium with considerable xenobiotics degradation potentials, 2016. Annals of Microbiology.
5. Amiri, Hamid; Azarbaijani, Reza; Yeganeh, Laleh Parsa; Fazeli, Abolhassan Shahzadeh; Tabatabaei, Meisam; Salekdeh, Ghasem Hosseini; Karimi, Keikhosro; Nesterenkonia sp. strain F, a halophilic bacterium producing acetone, butanol, and ethanol under aerobic conditions. 2016. Scientific Reports

٦. Bakhshi, Behnam; Fard, Ehsan Mohseni; Nikpay, Nava; Ebrahimi, Mohammad Ali; Bihamta, Mohammad Reza; Mardi, Mohsen; Salekdeh, Ghasem Hosseini; MicroRNA Signatures of Drought Signaling in, 2016. Rice Root. PLOS ONE
٧. Ghaffari, Mohammad Reza; Ghabooli, Mehdi; Khatabi, Behnam; Hajirezaei, Mohammad Reza; Schweizer, Patrick; Salekdeh, Ghasem Hosseini; Metabolic and transcriptional response of central metabolism affected by root endophytic fungus *Piriformospora indica* under salinity in barley. 2016. Plant Molecular Biology.
٨. A Hashemia, J Gharechahib, Gh Nematzadehc, F Shekarie, A Hosseinid, Gh Hosseini Salekdehd. Two-dimensional blue native/SDS-PAGE analysis of whole cell lysate protein complexes of rice in response to salt stress, Journal of Plant Physiology. 2016. Volume 200, 1 August 2016, Pages 90–101.
٩. Dong Y, Zhang X, Xie M, Arefnezhad B, Wang Z, Wang W, Feng S, Huang G, Guan R, Shen W, Bunch R, McCulloch R, Li Q, Li B, Zhang G, Xu X, Kijas JW, Salekdeh GH, Wang W, Jiang Y. Reference genome of wild goat (*capra aegagrus*) and sequencing of goat breeds provide insight into genic basis of goat domestication. BMC Genomics. 2015 Jun 5;16:431.
١٠. Chakraborty S, Salekdeh GH, Yang P, Woo SH, Chin CF, Gehring C, Haynes PA, Mirzaei M, Komatsu S. Proteomics of Important Food Crops in the Asia Oceania Region: Current Status and Future Perspectives. J Proteome Res. 2015 Jun 11.
١١. Vahdat S, Mousavi SA, Omrani G, Gholampour M, Sotoodehnejadnematalahi F, Ghazizadeh Z, Gharechahi J, Baharvand H, Salekdeh GH, Aghdami N. Cellular and molecular characterization of human cardiac stem cells reveals key features essential for their function and safety. Stem Cells Dev. 2015 Jun 15;24(12):1390-404.
١٢. Mirakhori F, Zeynali B, Rassouli H, Salekdeh GH, Baharvand H. Direct conversion of human fibroblasts into dopaminergic neural progenitor-like cells using TAT-mediated protein transduction of recombinant factors. Biochem Biophys Res Commun. 2015 Apr 17;459(4):655-61.
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١٤. Gharechahi J, Zahiri HS, Noghabi KA, Salekdeh GH. In-depth diversity analysis of the bacterial community resident in the camel rumen. Syst Appl Microbiol. 2015 Feb;38(1):67-76.
١٥. Faghani E, Gharechahi J, Komatsu S, Mirzaei M, Khavarinejad RA, Najafi F, Farsad LK, Salekdeh GH. Comparative physiology and proteomic analysis of two wheat genotypes contrasting in drought tolerance. J Proteomics. 2015 Jan 30;114:1-15.
١٦. Fathi A, Rasouli H, Yeganeh M, Salekdeh GH, Baharvand H. Efficient differentiation of human embryonic stem cells toward dopaminergic neurons using recombinant LMX1A factor. Mol Biotechnol. 2015 Feb;57(2):184-94.
١٧. Shekari F, Baharvand H, Salekdeh GH. Organellar proteomics of embryonic stem cells. Adv Protein Chem Struct Biol. 2014;95:215-30.
١٨. Fathi A, Hatami M, Vakilian H, Han CL, Chen YJ, Baharvand H, Salekdeh GH. Quantitative proteomics analysis highlights the role of redox hemostasis and energy metabolism in human embryonic stem cell differentiation to neural cells. J Proteomics. 2014 Apr 14;101:1-16.

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۳۱. Mirakhori F, Zeynali B, Salekdeh GH, Baharvand H. Induced neural lineage cells as repair kits: so close, yet so far away. *J Cell Physiol.* 2014 Jun;229(6):728-42.
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۳۳. Ghaffari A, Gharechahi J, Nakhoda B, Salekdeh GH. Physiology and proteome responses of two contrasting rice mutants and their wild type parent under salt stress conditions at the vegetative stage. *J Plant Physiol.* 2013 Oct 2. doi:pii: S0176-1617(13)00342-8. 10.1016/j.jplph.2013.07.014. [Epub ahead of print] PubMed PMID: 24094368.
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International conferences (Invited Speaker):

Invited speakers in more than 30 international conferences