

CURRICULUM VITAE

NAYER AZAM KHOSHKHOLGH SIMA (PhD)

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EDUCATIONAL BACKGROUND

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| 1996-1999 | PhD in Plant Physiology, Faculty of Applied Science, University of Hiroshima-Japan.
<u>DISSERTATION:</u> Physiological Aspects of fodder production on Salt-Affected Soils. |
| 1989-1992 | M.Sc Plant Nutrition, Faculty of Applied Science, University of Hiroshima-Japan . |
| 1976-1980 | B.Sc in Crop Production and Plant Breeding, Faculty of Agriculture, University of Urumiya, Iran. |

RESEARCH INTEREST & EXPERTISE:

- ✓ Phyto-remediation and bioremediation
- ✓ Biosafety
- ✓ Biodiversity and plant species preservation
- ✓ Plant nutrition
- ✓ Plant protection
- ✓ Plant physiology
- ✓ Environmental stresses and the physiology of stresses
- ✓ Plant molecular physiology

HONORS:

- 1989-1992 Education scholarship awarded by the government of the I.R. Iran
- 1996-1999 Education and Research fellowship, Co-operation and agreement between the Ministry of Agriculture of the I.R. Iran and ICARDA

AWARDS:

- 2002 Certificate of appreciation by then President of I.R. Iran (Seyed Mohammad khatami) for the establishment of the Northwest branch of the Agricultural Biotechnology Research Institute..
- 2000 Certificate of appreciation by then Head of the Islamic Parliament of I.R. Iran (Mahdi Karrobi) for the establishment of the Northwest branch of the Agricultural Biotechnology Research Institute.
- 2000 Certificate of appreciation by then Minister of Agriculture of I.R. Iran (Mahmood Hojjati) for the establishment of the Northwest branch of the Agricultural Biotechnology Research Institute.

ACADEMIC POSITIONS

- Dec. 2015 – Present** Director General, Agricultural Biotechnology Research Institute (ABRII).
Sep – Dec. 2015 Acting Director General, Agricultural Biotechnology Research Institute (ABRII).
- 2013-2015** Advisor to the Deputy Minister of Agriculture and Chairman of the Audit Office of the Agricultural Research, Extension and Education Organization
- 2006- Present** Member of the Board, Biosafety Society of Iran
- 2001-2003 & 2005- Present** Member of the Board, Biotechnology Society of Iran
- 2002-2004 & 2005- Present** Member of the Board, Agronomy & Plant Breeding Society of Iran
- 2000- 2005** Vice President and Deputy of Agricultural Biotechnology Research Institute, Iran (ABRII).
- 1999- Present** Faculty of Agricultural Biotechnology Research Institute, Iran (ABRII).
1992-1995 Researcher, Department of Plant Physiology and Biotechnology, Plant and Seed Improvement Institute.
- 1982-1987** Researcher, Plant Protection Organization

PROFESSIONAL ACTIVITIES

- 2014** Executive Director, The First International and the 13th National Agronomy & Plant Breeding Congress, The 3rd Iran Seed Science and Technology Conference.
- 2013** Executive Director, The 4th National Genetic Engineering & Biosafety Conference.
- 2013** Executive Director, The 8th National Iranian Biotechnology Congress
- 2011** Executive Director, The 7th National Iranian Biotechnology Congress
- 2008** Executive Director, The 6^h National Iranian Biotechnology Congress
- 2006** Executive Director, The 5th National Iranian Biotechnology Congress
- 2005** Member of the Scientific & Executive Committees of Pistachio & Almond International Congress
- 2003** Executive Director, The 2nd Genetic Engineering & Biosafety National Congress

OTHER PROFESSIONAL ACTIVITIES

2002- Present	Founder and Board Member of the "Voluntary Partnerships for Sustainable Development" NGO Member of Founding Committee of the Union of the Agricultural Sciences and Natural Resources Associations.
2001-2003	Board Member, The Center for Biotechnology Information (IRBIC)
2001-2005	Member of the Coordinating Committee, Agricultural Research, Extension & Education Organization, Ministry of Agriculture of I.R. Iran
2001-2004	Member of the Biotechnology Commission, Ministry of Agriculture of I.R. Iran
2001-2005	Member of the Commission for Examination and Coordination of Research Projects, Agricultural Research, Extension & Education Organization, Ministry of Agriculture of I.R. Iran.
2000-2005	Member of the Research Committee for the Use of Biological Materials and Efficient Use of Fertilizers and Pesticides in Agriculture
2005	Member of the Research Council, Agricultural Biotechnology Research Institute (ABRII)

WORKSHOPS ATTENDED

- ✓ Proteomics Workshop
- ✓ Recombinant DNA workshop
- ✓ Biotechnology workshop
- ✓ DNA workshop
- ✓ Application of DNA marker in plant breeding
- ✓ Commercializing research results in biotechnology with a focus on creating wealth by biotechnology
- ✓ Biotechnology national standards: codification and perspective in present and future
- ✓ Regulations, inventor, and extension in biotechnology
- ✓ How to regulate GM plants
- ✓ Human resource development in biotechnology
- ✓ International workshop on proteomics analysis of abiotic stresses responsiveness of rice

LANGUAGE PROFICIENCIES

- ✓ Persian: Native
- ✓ English: Good
- ✓ Japanese: Good

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- ✓ Iranian crop science and plant breeding society
- ✓ Iranian Biotechnology society
- ✓ Iranian Bio-Safety Society

REVIEWER FOR JOURNALS

- ✓ Iran Journal of Agricultural Science
- ✓ Iran Journal of Crop Science
- ✓ Iran Journal research hand Development
- ✓ Journal of Soil and Water

PUBLICATIONS IN REFERRED JOURNALS

Khoshkholgh Sima, N. A. T. Nagaoka, K. Kouno and T. Ando. Effect of salinity on seed germination and seedling growth of the species collected from the saline area of Iran. *Plant Nutrition-For Sustainable Food Production And Environment*.1997. 417-418.

Rezaei, H. **N. A. KhoshKholgh Sima,** M. J. Malakouti and M. Pessarakli. Salt Tolerance of Canola in Relation to Accumulation and Xylem Transportation of Cations. *Journal of Plant Nutrition*. 2006, (23), 1903-1918.

Gazanchian, A. **N. A. Khoshkholgh Sima,** M. A. Malboobi, E. Majidi. Germination and Emergence of Perennial Native Cool-Season Grasses under Water Stress. *Crop Science*. 2006, (46), 544-553.

Ali Gazanchian, Mohsen Hajheidari, **Nayer Khoshkholgh Sima,** Ghasem Hosseini Salekdeh*.Proteome response of *Elymus elongatum* to severe water stress and recovery. *Journal of Experimental Botany*. 2006, 1-10.

KhoshKholgh Sima N. A., Khalvati MA. and Hu Y. Plant growth response to different salinization along the root zone. *Journal of Plant Nutrition*. 2008. 31: 1-15.

Khosh Kholgh Sima NayerA, Hossein Askari, Hossein H. Mirzaei and Mohammad Pessarakli. Genotype-dependent differential responses of three forage species to Ca supplement in saline conditions. *Journal of Plant Nutrition*. 2009. 32:579-597.

H. Rezaei, **N.A. Khosh Kholgh Sima,** M.J. Malakouti. Growth response and ion distribution of two canola varieties to different potassium to sodium ratios. *DESERT*. 2010 15 103-109.

Kambiz Azizpour, M.R. Shakiba, **N.A. Khosh Kholg Sima,** H. Alyari, M. Mogaddam, E. Esfandiari and M. Pessarakli . Physiological Response of Spring Durum Wheat Genotypes to Salinity. *Journal of Plant Nutrition*. 2010. 33: 859 – 873.

Sara Tale Ahmad, **Khosh Kholgh Sima Nayer Azam** and Hossein H. Mirzaei. Effects of NaCl on physiological aspects of *Salicornia persica* growth. *Journal of Plant Nutrition*. 36(3) 2013. 401-414.

Khosh Kholgh Sima Nayer Azam, Sara Tale Ahmad, Ramezan Ali Alitabar, Arezoo Mottaghi, and Mohammad Pessarakli Interactive Effects of Salinity and Phosphorus Nutrition on Physiological Responses of Two Barley Species. *Journal of Journal of Plant*

Nutrition. 2012. 35 (9):1411-1428.

Khoshkholgh Sima Nayer A, Sara Tale Ahmad, and Mohammad Pessaraki. Comparative study of different salts (NaCl, Na₂SO₄, KCl and K₂SO₄) on forage species. Journal of Plant Nutrition. 36 (2) 2013. 214-230.

Jabbari Hamid, **Khosh Kholgh Sima Nayer A** Relationships between Seedling Establishment and Soil Moisture Content for winter and Spring Rapeseed Genotypes. Industrial Crops & Products. Industrial Crops and Products. 49 (2013) 177– 187.

Naemeh Zare **Khoshkholgh Sima Nayer A**. Effect of Laser Priming on accumulation of Free Proline in Spring Durum Wheat (*Triticum durum* L.) under Salinity Stress. World Journal of Agricultural Research. 2013.

Khoshkholgh Sima, NA. and Tadao Ando. Effects of heavy metal on chlorophyll biosynthesis of barnyard millet. J. Japanese, Grass L. Sci.1992. 63-65.

Babazadeh. P, Abbas Akbari. Gh, **Khoshkholghsima N.A.**, Moradi. F. and Irannejad. H. Investigation of the Effect of Petroleum Contaminant on Some Physiological Characteristics of *Salicornia* (*Salicornia persica*). International Journal of Agronomy and Plant Production. Vol., 4 (9), 2251-2259, 2013.

Iman Rohollahi¹, **Nayer Azam Khoshkholghsima**, Toshihiko Yamada, Mohsen Kafi, Yoichiro Hoshino, Abdolmajid Liaghat and Ali Ashraf Jafari .Evaluation of seedling emergence and relative DNA content under dry soil conditions of wild *Festuca arundinacea* populations collected in Iran, Grassland Science, Japane, , 6-14, 2015.

Iman Rohollahi, Toshihiko Yamada, **Nayer Azam Khoshkholghsima**, Mohsen Kafi and Yoichiro Hoshino. Relationship Between Emergence and Genome Content of Iranian Tall Fescue Entries Under Drought Stress .Molecular Breeding of Forage and Turf.2015.(Book chapter).

Nayer Azam Khoshkholghsima and Iman Rohollahi.Evaluating Biochemical Response of Some Selected Perennial Grasses under Drought Stress in Iran. Hort. Environ. Biotechnol. 56(3):383-390. 2015.

PUBLICATIONS IN NATIONAL JOURNALS (IN PERSIAN)

Hamed Rezaei, **Nayer Azam Khoshkholghsima**, Mohammad Jafar Malekoti, Zahra Khademi, Hossein Haghghat Niya, Mehran Afzali, Kamran Azari and Manochehr Kalhor. 2000. The effects of micronutrients on the yield of Brassica. Journal of Soil&water.12:80-87.

Mohsen Khodadadi, Reza Omid beigi, Eslam Majodi Heravan and **Nayer Azam Khoshkholghsima**. 2001. Investigation of seed priming influence of onion, Kashi white species, on the characteristics of its germination under stress. . Journal of Soil&water. 17 (1):39-47.

Soleiman Mohammadi, **Nayer Azam Khoshkholghsima**, Eslam Majidi Heravan, Ghorban Nour mohammadi and Abbas Saeidi. Reaction Evaluation of wheat genotypes to salinity stress in germination stage. *Journal of agriculture knowledge*. 14 (3):87-150.

Seyed elyas Mortazavi, Agha fakhr Mirlohi, Behzad Gharehyazi, Ahmad Arzani, **Nayer Azam Khosh Kholgh Sima**. 1383. Physiologic aspects to Physiological aspects of growth and regeneration callus on modified MS medium with NaCl. *Iran Agricultural Research*. 23 (1): 51-69.

Soleiman Mohammadi, Eslam Majidi Heravan, **Nayer Azam Khoshkholghsima**, Ghorban Nour mohammadi and Abas Saeidi. 1384. Evaluation of Evaluation of salt tolerance of wheat genotypes. *Journal of agriculture knowledge*. 15 (3).

Ali Gazanchiyan, **Nayer Azam Khoshkholghsima**, Mohammad Ali Malbobi and Eslam Majidi Heravan. 1384. Effects of water stress and re-watering cool season perennial grasses growing in the early stages of deployment. *Iranian Journal of Natural Resources*. 58 (2).217-230.

Ali Gazanchiyan, **Nayer Azam Khoshkholghsima**, Mohammad Ali Malbobi, Eslam Majidi Heravan and Ghasem Hosein Salekdeh. 1385. Effects of water stress on the germination and establishment of perennial grasses. *Iranian Journal of Natural Resources*. 59 (2).

Soleiman Mohammadi, Eslam Majidi Heravan, **Nayer Azam Khoshkholghsima**, Ghorban Nour Mohammadi, Abbas Saeidi. 1386. The effects of sodium chloride and calcium chloride on grain yield and yield components of two wheat genotypes sensitive and tolerant. *Agricultural Science*. 17 (2):55-64.

Soleiman Mohammadi, Eslam Majidi Heravan, **Nayer Azam Khoshkholghsima**, Ghorban Nour Mohammadi, Abbas Saeidi. 1386. Effects of sodium chloride and calcium on dry matter production, water relations, the accumulation of organic and inorganic compounds in both sensitive and tolerant wheat. *Agriculture Knowledge*. 17 (4): 53-64.

Soleiman Mohammadi, Eslam Majidi Heravan, **Nayer Azam Khoshkholghsima**, Ghorban Nour Mohammadi, Abbas Saeidi. 1387. Salinity tolerance in the bread wheat. *Journal of Agriculture Knowledge*. 18 (1).

Mohammadreza Hadi, **Nayer-Azam Khoshkholghsima**, Ramazan-Ali Khavari Nejad, seyed-Mojtaba Khayam Nekoei. 1387. The cumulative effect of salt tolerance in seven genotypes of durum wheat (*Triticum turgidum* L.) collected from the region. *Iranian Journal of Biology*. 21 (2).

Fazlollah Afraz, Behzad Ghareyazi, **Nayer-Azam Khoshkholghsima**, Hoshang Lotfollaheyani, Seyed-Abdollah Hoseini and Seyed-Asghar Nemati. Evaluation the effects of transgenic rice resistant to pests Tarom lord on growth, blood chemical parameters and health of commercial broilers. *Journal of biosafety*. 3: 9-15.

Nayer-Azam Khoshkholghsima, Sara Taleh-Ahmad and Ramazan-Ali Ali-tabar. 1392. Physiological responses of two barley cultivars under saline conditions to supplement phosphorus. *Journal of Seed and Plant*. (in Press).

Nayer-Azam Khosh Kholgh Sima. Alitabar., M. Eghbalinejad., P. Babazadeh. And S. Tale Ahmad. 2013 Effect of salinity on germination and salinity threshold of Barley. *Iranian journal of field crops research*. 11:1, 107-120.

Elnaz Hosein zadeh Sabeti, Seyed-Ahmad Sadat Nouri, **Nayer-Azam Khosh Kholgh Sima**, Hosein-Ali Ramshini, Mohammad-Ali Ansari. 1392. The effect of laser radiation on salt tolerance traits in rice seedling stage (*Oryza sativa* L.). *Journal of environmental stress on crop science*. 161-179.

Mehrshad Zeinolabedini, Babak Nakhoda, Parasto Majidiyan, **Nayer-Azam Khosh Kholgh Sima**, Seyed-Elyas Mortazavi. 1390. Biodiversity, genetic engineering and sustainable development. *Journal of Biological Safety*.

Jafar Ahmadi, Jalal Ahmadi and **Nayer- Azam Khosh Kholgh Sima**. 1392. Evaluation of the physiological tolerance to salinity in some forage plants saline areas. *Journal of Soil Science*.

Morteza Saffari, Jafar Ahmadi, **Nayer- Azam Khosh Kholgh Sima** and Zahra-sadat Shobbar. 1393. Brassica and cytokinin hormone spray impact on activity and expression of catalase and proline in two varieties under drought stress. *JOURNAL OF MODERN GENETICS*. 3: 329-343.

Eiman Rohollahi, Mohsen Kafi, **Nayer- Azam Khosh Kholgh Sima**, Abdol-hamid Liyaghat. Evaluation of drought tolerance and visual quality in some tall fescue clumps collected from different parts of Iran. *Journal of Iran Agricultural Sciences*.

Eiman Rohollahi, Mohsen Kafi, **Nayer- Azam Khosh Kholgh Sima**, Abdol-hamid Liyaghat. Assess and respond to the drought in the genome relative content of tall fescue seedlings collected in Iran. *Journal of Horticultural Science*.

Hamid Jabbari, Gholam-Abbas Akbari, **Nayer- Azam Khosh Kholgh Sima**, Iraj Allah-Dadi, Amr-Hosein Shirani-Rad, Seyed-Ali Tabatabaei and Ali Hamed. 1393. Compare the role of antioxidant enzymes and propylene drought tolerance in canola. *Journal of oilseed plants*. 1:15-31.

Hamid Jabbari, Gholam-Abbas Akbari, **Nayer- Azam Khosh Kholgh Sima**, Amr-Hosein Shirani-Rad, Iraj Allah-Dadi and Fayeze Tajoddini. 1393. Quantitative and qualitative evaluation of rapeseed RGS003 to Tmarhay irrigation using multivariate statistical methods. *Environmental stress on crop science*. 7 (2). 155-171.

Ali Hamed, Gholam-Abbas Akbari, **Nayer- Azam Khosh Kholgh Sima**, Amr-Hosein Shirani-Rad, Hamid Jabbari and Seyed-Ali Tabatabaei. 1393. Evaluate agronomic characteristics and some physiological traits in rapeseed cultivars under drought conditions. *Environmental stress on crop science*. 7 (2). 155-171.

PROCEEDINGS IN INTERNATIONAL CONFERENCES:

Khoshkholgh Sima, NA. and T. Ando. Effects of N, P, S, K, Ca, Mg, Na and Fe deficiency on chlorophyll biosynthesis. Japanese Society of Soil and Plant Nutrition .1992. P. 74.

Ando T. and **NA Khoshkholgh Sima.** Effects of Na deficiency on chlorophyll biosynthesis of C4 Plant. Japanese Society of Soil and Plant Nutrition.1991. P. 154.

Khoshkholgh Sima, NA. N. Toshinori and T. Ando. Effect of zonal salinitisation on root development plant growth. *Japanese Society of Soil and Plant Nutrition.1998.*

Khoshkholgh Sima, NA. N. Toshinori and K. Kenji. Zonal salinisation of the root system with NaCl in relation to plant growth. 3rd International Crop Science Congress 2000, 17-22 August 2000, Hamburg, Germany. p84.

Khoshkholgh Sima, NA. N. Toshinori and K. Kenji. Response of forage grasses to supplemental Ca under saline conditions. 3rd International Crop Science Congress 2000, 17-22 August 2000, Hamburg, Germany. p. 84.

Ghareyazie B., **Khoshkholgh Sima N.A,** Hosseini Salekdeh G., Bennett J. 2001. Abiotic stress tolerance: Biotechnology approach. First International Conference on Biotechnology Applications for the Arid Regions. Kuwait.

Alavi S. M., Fakhre Tabatabaei S. M., **Khoshkholgh Sima N. A.,** and M. Shahriari. 2001. Molecular classification of Iranian wild wheat genotypes by using of RAPD markers. Proceeding of the second national congress of biotechnology. Vol. 1, pp: 208-213, Karaj, Iran.

Mohamadi, S., **Khosh Kholgh Sima, N.A.,** Majidi, E., G.Nour. Mohammadi (2003) . Evaluation of bread wheat genotypes to salt stress at germination stage .10th IWGS,1-6 Sep. Paestom, Italy.

Mohammadi,S., Majidi, E., **Khosh KholghSima, N.A.,** G.Nour Mohammadi. (2003). Effect of salinity on yield and yield components of ten bread wheat genotypes. 10th IWGS, 1-6 Sep. Paestom, Italy.

Gazanchian, A. M. Hajheidari and **N A. Khoshkholgh Sima,** G. Hosseini Salekdeh. Proteome analysis of drought stress tolerance in *Elymus elongatum* Host. 6rd Siena Meeting of From Genome to Proteome: Biomarker Discovery & Imaging Proteomes, Siena, Italy. Aug. 30-Sept. 2, 2004.

Hosseini Salekdeh, Gh. J. Bennett, M. Hajheidari, H. Askari, D. Naserabadi, A. Gazanchian, A. Eivazi, A. Dadashi, J. Edqvist, **NA. Khoshkholgh Sima,** L. J. Wade, B. Ghareyazie, M. Abdollahian, S. Y. Sadeghian, E. S. Ober, M. Heidari, R. Karimi. Comparative proteome analysis of plants under drought and salt stresses. 3rd International Proteomics conference (IPC'03) 1st Taiwan Proteomics Conference Joint Meeting of AOHUPO 2004. Taipei, Taiwan, May 14-17, 2004.

Moradi, F. M. Ghorbani Javid, GA. Akbari, I. Allahdadi and **NA. Khoshkholgh Sima**. Drought tolerance in cut leaf media (*Medicago laciniata* L. Mill): a morphological and physiological perspective. The 2nd International Conference on Integrated Approaches to Sustain and Improve Plant Production Under Drought Stress. 2005, University of Rome "La Sapienza" Rome, Italy. P5.59.

Ghazanchian, A. **NA. Khoshkholgh Sima** and Majidi, E. Evaluation of drought resistance on permanent grass using Line Source Sprinkler irrigation system. 1st Forage Plants National conference. 2005. Italy.

Hossein Hadavand Mirzaei., **Nayer-Azam Khosh Kholgh Sima**. Effect of salinity on growth and mineral ions uptake of halophyte *salicornia prsica*. .Conference 'Responses of Plants to Environmental Stresses'. 2008. Elena, Bulgaria.

Nayer-Azam Khosh Kholgh Sima, Hossein Askari, Hossein Hadavand Mirzaei and Mohammad Pessarakli. Genotype-dependent differential responses of three forage species to Ca supplement in saline conditions. Joint Annual Meeting Houston, Texas USA. .5-8 October 2008.

PROCEEDINGS IN INATIONAL CONFERENCES:

Nayer-Azam Khosh Kholgh Sima, Vetado Ando. 1373. Work environments, especially sodium on chlorophy synthesis of C4 plant growth carbon-four. 3rd Iranian congress of agronomy and plant breeding. 328.

Nayer-Azam Khosh Kholgh Sima, Maryam Shahbai, Eslam Majidi Heravan. 1373. Study the physiological role of sodium in the synthesis of chlorophyll and its replacement with K. 3rd Iranian congress of agronomy and plant breeding. 350.

Ziba Fighih Nasiri, **Nayer-Azam Khosh Kholgh Sima**, Mohammad Tayeb. 1373. To determine the effect of salinity on germination of rice cultivar. 3rd Iranian congress of agronomy and plant breeding. 350.

Nayer-Azam Khosh Kholgh Sima, Mohammad-Ali Khalvati, Mohammad-Ali Bagheri Komarolya and Eslam Majidi Heravan. 1377. Screening drought tolerant wheat-based physiological aspects. 5th Iranian congress of agronomy and plant breeding . 241.

Mohammad-Ali Khalvati, **Nayer-Azam Khosh Kholgh Sima**, Reza Ghoreshi and Eslam Majidi Heravan. 1377. Adaptability and tolerance to salinity and modification of forage grasses Kalar saline soils by plants. 5th Iranian congress of agronomy and plant breeding. 255.

Nayer-Azam Khosh Kholgh Sima. 1379. Select salt tolerant forage plants. 6th Iranian congress of agronomy and plant breeding. (Keynote Speaker).

Zohreh Heidariyan, Hasan Mohabbat kar, **Nayer-Azam Khosh Kholgh Sima**, Behzad Ghareyazi. 1381. Distribution genus: *Salicornia*: *Halvstakys*, *Halknmvm*, *Salicornia* in Iran. 7th Iranian congress of agronomy and plant breeding . 705.

Zohreh Heidariyan, Behzad Ghareyazi, **Nayer-Azam Khosh Kholgh Sima**, Hasan Mohabbat kar. 1381. *Salicornia* plant to determine the genetic diversity using molecular markers RAPD. 7th Iranian congress of agronomy and plant breeding 706.

Soleiman Mohammadi, Eslam Majidi Heravan, **Nayer-Azam Khosh Kholgh Sima**, Ghorban Nour-Mohammadi and Abbas Saeidi. 1383. Effects of sodium and calcium on yield and yield components of two sensitive and tolerant wheat genotypes. 8th Iranian congress of agronomy and plant breeding. 180.

Soleiman Mohammadi, **Nayer-Azam Khosh Kholgh Sima**, Eslam Majidi Heravan Ghorban Nour-Mohammadi and Abbas Saeidi. 1383. Effects of sodium chloride and calcium chloride in the production of dry matter accumulation of organic and inorganic compounds of two wheat genotypes. 8th Iranian congress of agronomy and plant breeding. 181.

Bitra Oskoei and **Nayer-Azam Khosh Kholgh Sima**. 1383. Effect of salinity on seed germination and water potential of some genotypes (*Salicornia spp*). 8th Iranian congress of agronomy and plant breeding. 223.

Ramazan-Ali Ali-tabar, Mah-legha Ghorbanli, Nayer-Azam Khosh Kholgh Sima, Reza Zarghami and Reza Bozorgi Poor. 1383. Study the effects of salinity on seed germination populations of wild barley (*Hordeum murinum*). 8th Iranian congress of agronomy and plant breeding. 249.

Soleiman Mohammadi, Eslam Majidi Haravan, **Nayer- Azam Khosh Kholgh Sima**, Ghorban Nour-Mohammadi and Abbas Saeidi. 1383. Evaluation of salt tolerance of wheat genotypes in greenhouse cultivation. 8th Iranian congress of agronomy and plant breeding . 257.

Soleiman Mohammadi, Eslam Majidi Haravan, **Nayer- Azam Khosh Kholgh Sima**, Ghorban Nour-Mohammadi and Abbas Saeidi. 1383. Evaluation of salt tolerance of wheat genotypes in feild. 8th Iranian congress of agronomy and plant breeding . 258.

Foad Moradi and **Nayer- Azam Khosh Kholgh Sima**. 1383. Physiological aspects of salinity tolerance in glyphosit plants. 8th Iranian congress of agronomy and plant breeding. (Key Note)

Ali Gazanchiyan, Nayer- Azam Khosh Kholgh Sima, Eslam Majidi Haravan. 1384. Evaluation of drought resistance in dynamic grass using sprinkler irrigation system. The 1st National Conference of forage plants.607.

Mohammadreza Hadi. **Nayer- Azam Khosh Kholgh Sima**, Ramazan-Ali Khavari Nejad, Seyed Mojtaba Khayam Nekoei. 1385. The role of proline in increasing tolerance of durum wheat. (*Triticum turgidum L*). 9th Iranian congress of agronomy and plant breeding.

Nayer- Azam Khosh Kholgh Sima, Hosein Askari, Mohammad-Ali Khalvati and Hosein Hadavan Mirzaei. 1385. The Role of calcium in improving salinity tolerance of crops. 9th Iranian congress of agronomy and plant breeding. (Keynote Speaker).

Ali Gazanchiyan, Mohsen Haj-Heidari, **Nayer- Azam Khosh Kholgh Sima** and Ghasem Hoseini Salekdeh. 1386. Drought resistance genes identified in the study of physiological and proteomic analysis of *Elymus elongatum* in response to drought. 110. 5th Iranian biotechnology national conference.

Nayer- Azam Khosh Kholgh Sima, Hosein Hadavan Mirzaei. 1387. Multilateral Evaluation of *Salicornia*. 10th Iranian congress of agronomy and plant breeding.

Ali Ahmadi, Nemat Rajabi Delaviz, **Nayer- Azam Khosh Kholgh Sima** and Salar Monjem. 1387. Effects of water stress on yield and yield components of rapeseed cultivars. 10th Iranian congress of agronomy and plant breeding.

Fazlollah Afraz, Behzad Ghareyazi, **Nayer- Azam Khosh Kholgh Sima**, Hoshang Lotfollahiyan, Seyed- Abdollah Hoseini and Seyed-Asghar Nemati. 1388. Evaluate the effects of transgenic rice resistant to pests Tarom Molaei on growth, blood chemical parameters and health of commercial broilers. 6th Iranian biotechnology national conference.

Nayer- Azam Khosh Kholgh Sima, Hosein Hadavan Mirzaei and Sara Tale Ahmad. 1388. Mechanisms of tolerance to salinity *Salicornia* (*Salicornia persica*). 6th Iranian biotechnology national conference.

Nayer- Azam Khosh Kholgh Sima, Mahleh EghbaliNejad, Seyed-Jalal Mohammadi. 1388. How can we improve crop tolerance to salinity. (Key Note).

Hamid-Reza Mohammadi, **Nayer- Azam Khosh Kholgh Sima**, Gholam-Abbas Akbari and Hosein Hadavand Mirzaei. 1388. Use of halophytes *Salicornia* in the design of sustainable ecosystems in coastal saline lands with the exploitation of sea water. 1st Environmental Stresses National Conference.

Mehran Shariat-Panahi, Seyed-Mansoor Seyed Nejad, **Nayer- Azam Khosh Kholgh Sima**, Fatemeh Ppr-Abdollah and Mahnaz Orojlo. 1389. Compare the concentration of doubled haploid and diploid plant photosynthetic Rngyz·h-Hay of Canola microspore culture. 3rd international conference Oilseeds and edible oils

Hamid-Reza Mohammadi, Gholam-Abbas Akbari, **Nayer- Azam Khosh Kholgh Sima** and Hosein Hadavand Mirzaei. 1389. *Salicornia* calcium and phosphorus on growth and development in saline conditions. National Conference on Advances in the production of oil-based plants.

Jalal Mohammadi, Jafar Ahmadi and **Nayer- Azam Khosh Kholgh Sima**. 1390. Study of oxidative stress and react better barley to salinity under saline conditions. 7th Iranian biotechnology national conference.

Jalal Mohammadi, Jafar Ahmadi and **Nayer- Azam Khosh Kholgh Sima**. 1390. Study the effects of oxidative stress on the forage crop in saline conditions. 7th Iranian biotechnology national conference.

Hamid Jabbari, Gholam-Abbas Akbari, **Nayer- Azam Khosh Kholgh Sima**, Amir Shirani Rad, Mohammad Farshidi, Faezeh Tajoddini. 1390. National Conference on Advances in Agronomy.

Hamid Jabbari, Gholam-Abbas Akbari, **Nayer- Azam Khosh Kholgh Sima**, Amir Shirani Rad, Mohammad Farshidi, Faezeh Tajoddini, Marziyeh Heidari, Ali Alizadeh Sohrabi and Hosein Hasan Poor. 1390. The effect of irrigation treatments on photosynthetic pigments, water saturation and lack of RWC rape. National Conference on Advances in Agronomy.

Zohreh Shabani, **Nayer- Azam Khosh Kholgh Sima**, Gholam-Abbas Akbari, Maryam Shahbazi, Hamid Nikkhah, Seyed-Ali Tabatabaei, Sanaz Afshari and Hamid Jabbari. 1390. Effects of drought stress at the reproductive stage on physiological characteristics, Tkhsy dry matter to reproductive and barley grain yield. National Conference on Advances in Agronomy.

Hamid Jabbari, Gholam-Abbas Akbari, **Nayer- Azam Khosh Kholgh Sima**, Amir Shirani-Rad, Ali Hamed and Mehran Shariat Panahi. 1391. The effect of drought on indicators related to seedling germination characteristics of 24 cultivars and lines of canola. 12th Iranian Congress of Agronomy and Plant Breeding.

Hamid-Reza Mohammadi, **Nayer- Azam Khosh Kholgh Sima**, Gholam-Abbas Akbari, Vahid Mohammadi and Ali Alipoor. The interaction of calcium and phosphorus on the growth of Salicornia in saline conditions. 12th Iranian Congress of Agronomy and Plant Breeding.

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