



## *Anahita Shariat*

### *Research Institute of Forest and Rangelands*

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#### I. Personal Information:

Name: Anahita

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#### II. Educational Records:

Degree	Institution	Place	Field	Date	
				From	to
<b>B.Sc.</b>	Mazandaran University	Iran / Mazandaran / Sari	Agronomy & Plant Breeding	09/1993	02/1997
<b>M.Sc.</b>	Sistan and Balochestan University	Iran / Zabol	Plant Breeding	09/1999	02/2002
<b>Ph.D.</b>	Tarbiat Modares University	Iran / Tehran	Plant Breeding	09/2010	07/2015

### III. Work Experiences:

1. Head of the Plant Physiological Laboratory at the Research Institute of Forest and Rangelands (Iran) (Aug 2005 – continued)
2. Technical Editor of the Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research (Jan 2002 – continued)
3. Technical Director for Implementation of ISO 17025 Standard at the Research Institute of Forests and Rangelands (Feb 2016 – continued)

### IV. Membership of Scientific Societies:

1. Iranian Genetics Society (I.G.S.)
2. Iranian Medicinal Plants Society

### V. Referee for Journal Articles Submitted to:

1. Pajouhesh-va-Sazandegi, Ministry of Agricultural Jihad, Tehran, Iran, in Farsi
2. Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research, Research Institute of Forests and Rangelands of Iran, Tehran, Iran, in Farsi
3. Iranian Journal of Medicinal and Aromatic Plants, Research Institute of Forests and Rangelands of Iran, Tehran, Iran, in Farsi
4. Iranian Journal of Forest and Poplar Research, Research Institute of Forests and Rangelands of Iran, Tehran, Iran, in Farsi
5. Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research , Tehran, Iran, in Farsi
6. Journal of Plant Researches
7. Iranian Journal OF Range and Desert Research
8. Iranian Journal of Horticulture Science

### VI. Research Interests:

1. Plant response to abiotic environmental stresses (phenomics, ionomics, metabolomics)
2. Ploidy level and secondary metabolites in medicinal plants
3. Cytogenetics (karyomorphology, genome size)
4. Studying the micropropagation of forest trees and medical plants
5. Quantitative and qualitative changes in plant's gene expression

### VII. Research Projects

No.	Project Title (in Research Institute of Forest and Rangelands)	Responsibility	Number and date of project completion certificate
1	Effect of polyploidy induction on physiological, morphological, phytochemical, and karyological of two savory species ( <i>Satureja khuzistanica</i> and <i>S. mutica</i> )	Executor	246/3049/C 2021/8/7
2	Study of pollination systems and self-incompatibility in some Iranian endemic savory species ( <i>Satureja</i> spp.)	Executor	246/2983/C 2021/5/24
3	Comparative assessment of ionomics and metabolomics parameters in Persian oak ( <i>Quercus brantii</i> var. <i>brantii</i> ) to evaluate factors that affected oak decline and to identify drought-tolerant genotypes	Executor	2462574/C 2020/4/23
4	Heavy metal absorption in three <i>Salix</i> species	Executor	8064/D 2015/11/21

5	Specification of three <i>Eucalyptus</i> species in heavy metal absorption	Executor	1103/D 2009/5/7
6	Physiological study in four <i>Eucalyptus</i> species to identify resistant and tolerant species to drought stress	Executor	9088/D 2009/3/1
7	Investigation of wood product and phytoremediation potential of poplar trees irrigated with municipal effluent in the south of Tehran	Co worker	135629/M 2021/9/20
8	Investigation of growth properties and heavy metal uptake of some poplar and salix clones in hydroponic and soil cultures under wastewater	Co worker	246/3043/C 2021/6/16
9	The effect of different nutrition treatments on the growth and yield of some <i>Satureja</i> species in irrigation conditions in six provinces of Iran	Co worker	246/9554/C 2021/3/21
10	Demographic studies and population dynamics of Persian oak ( <i>Quercus brantii</i> ) in Ilam province	Co worker	246/3049/C 2021/7/15
11	Application of Combined Omics to Understand the Response of Thyme Plant to Drought Stress	Co worker	246/2619/C 2020/6/6
12	Metabolomics application in response to drought stress in five species of savory	Co worker	4885/D 2018/4/21
13	Investigation of a new micropropagation method (Photoautotrophic conditions) in three species of adaptable and important Eucalyptus in Iran	Co worker	4949/D 2018/7/21
14	Investigation of the possible effect of dust storms on Zagros oak ( <i>Quercus Brantii</i> ) by biomonitoring	Co worker	925/D 2017/4/29
15	Durability study of the effect of chemical fertilizers, livestock, and nano fertilizers on the quantity and quality of <i>Rosa damascena</i> flowers	Co worker	8079/D 2015/11/22
16	Investigation of the efficiency of <i>Eucalyptus</i> species as a hyperaccumulator to uptake heavy metals in some Northern and Southern provinces of Iran	Co worker	246/8/4458 2014/1/20
17	Comparison of allelopathic effects of water and alcohol extract of <i>Eucalyptus camaldulensis</i> on growth limiting of some weeds	Co worker	246/1/6167 2014/2/26
18	Allelopathic effects of three <i>Eucalypts</i> species on germination of some species	Co worker	246/8/3112 2013/10/18
19	Investigation of soil and vegetation relationship in two rangeland species of <i>Atriplex leuocladata</i> and <i>Suaeda vermiculata</i> and determination of their salt tolerance in Laboratory and Natural Conditions	Co worker	246/8/3114 2013/10/8
20	Investigation of somaclonal shoot multiplication through direct organogenesis and somatic embryogenesis efficiency in several <i>Eucalyptus</i> species	Co worker	246/8/3631 2013/11/5
21	Comprehensive gentic studies on available accessions and investigation of the possibility of interpecific hybridization	Co worker	2639/D 2013/1/2
22	Investigation on effect of forest plantation of fast growing species of eucalypts at southern provinces of Iran in reducing pollutants caused by Pesian Gulf War	Co worker	246/8/1182 2012/5/20
23	Using modern micropropagation in photoautotrophic conditions to propagate incompatible and valuable <i>Eucalyptus</i> species	Co worker	246/8/6269 2012/1/2
24	Study and application of plant growth regulators on rooting improvement of <i>Rosa damascena</i>	Co worker	1789/D 2011/5/14
25	Physiological study in four Eucalyptus species to identify resistant and toleraat species to salinity stress	Co worker	390/D 2009/4/8

## VIII. Publications and Journal Papers:

1. **Shariat, A.** and Sefidkon, F. (2022) . Enhanced morphologic traits and medicinal constituents of octaploids in *Satureja mutica*, a high-yielding medicinal savory, *Caryologia*, Accepted.
2. **Shariat, A.** and Sefidkon, F. (2021) .Tetraploid induction in savory (*Satureja khuzistanica*): cytological, morphological, phytochemical and physiological changes. *Plant Cell, Tissue and Organ Culture (PCTOC)*, 146:137–148. [Abstract](#)
3. **Shariat, A.**, Jalili, A., Mirzadeh Vaghefi, and S., Khanhasani, M. (2021). Chromosome counts of twelve vascular plant species from Iran. *The Iranian Journal of Botany*, 27(2): 182-190. [Abstract](#) | [Full text](#)
4. **Shariat, A.** and Sefidkon, F. (2020). Investigation of pollination system and self-incompatibility in two species of *Satureja sahendica* and *S. bachtiarica*. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 27(2): 204-215 (In Persian). [Abstract](#) | [Full text](#)
5. **Shariat, A.**, Mirzaie Nodoushan, H., Mirza, M., Zare, Z., Keneshloo, H., Taghavi, F. (2019). An ionome study in Persian oak (*Quercus brantii* Lindl) to evaluate factors affected oak decline. *Iranian Journal of Forest*, 11(3), 415-428 (In Persian). [Abstract](#) | [Full text](#)
6. **Shariat A.**, Karimzadeh, G. and Assareh, M.H., Hadian, J. (2018). Metabolite profiling and molecular responses in a drought-tolerant savory, *Satureja rechingeri* exposed to water deficit. *3-Biotech*, 8(11): 477. [Abstract](#)
7. **Shariat A.** Karimzadeh, G. and Assareh, M.H., Hadian, J. (2018). A promising application of drought stress for increasing product quality of Iranian endemic *Satureja sahendica* Bornm. medicinal plant. *Iranian Journal of Field Crop Science*, 49(1): 167-177 (In Persian). [Abstract](#) | [Full text](#)
8. **Shariat, A.**, Karimzadeh, G., Assareh, M. H., Loureiro, J. (2018). Relationships between genome size, ecological and morphological traits in five *Satureja* species (Lamiaceae), *Iranian Journal of Botany*. 24(2): 163-173. [Abstract](#) | [Full text](#)
9. **Shariat A.** and Assareh, M.H. and Ghamari Zare, A. (2017). Antioxidative Responses of *Eucalyptus camaldulensis* to Different Concentrations of Copper. *Journal of Plant Physiology and Breeding*, 7(1): 41-52. [Abstract](#) | [Full text](#)
10. **Shariat A.** Karimzadeh, G. and Assareh, M.H., Hadian, J. (2017). Variations of physiological indices and metabolite profiling in *Satureja khuzistanica* in response to drought stress. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 25(2): 232-246 (In Persian). [Abstract](#) | [Full text](#)
11. **Shariat, A.**, Assareh, M.H. and Ghamari Zare, A. (2017). Osmoprotectants and physiological responses of three *Eucalyptus* species to toxic concentrations of lead. *Iranian Journal of Forest and Poplar Research*, 25(1): 137-148 (In Persian). [Abstract](#) | [Full text](#)
12. Najafpour Navaei, M. and **shariat, A.** (2017). A study on ionic indices of *Zataria multiflora* Boiss.: an Iranian native medicinal plant. *Iranian Journal of Medicinal and Aromatic Plants*, 33(5): 812-817 (In Persian). [Abstract](#) | [Full text](#)
13. Hosseini, A., Matinizadeh, M. and **Shariat, A.** (2017). Effect of crown dieback intensity on some physiological characteristics of Persian oak trees (*Quercus brantii* var. *persica*). *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 25(1): 57- 71 (In Persian). [Abstract](#) | [Full text](#)
14. **Shariat A.** Karimzadeh, G. and Assareh, M.H., Zandi Esfahan, E. (2016). Drought stress in Iranian endemic savory (*Satureja rechingeri*): In vivo and In vitro studies. *Journal of Plant Physiology and Breeding*, 6(1): 1-13. [Abstract](#) | [Full text](#)
15. **Shariat A.** and Assareh, M.H. (2016) .Physiological and biochemical responses of eight *Eucalyptus* species to salinity stress. *Ecopersia*, 4 (1), 1269-1282. [Abstract](#) | [Full text](#)
16. Tavakoli Nia, A. Assareh, M.H., **Shariat, A.**, Bakhshi Khaniki, G.R. (2016). Effects of salinity stress on morphological and physiological parameters in three *Eucalyptus* species. *Iranian*

- Journal of Rangelands and Forests Plant Breeding and Genetic Research, 24(1):42-53 (In Persian). [Abstract](#) | [Full text](#)
17. Emam, M. Mirjani, L., Ghamari Zare, A., **Shariat, A.** (2015). Comparison micropropagated *Sorbus aucoparia* plantlets in photoautotrophic and semi-photoautotrophic conditions. Journal of Plant Researches, 28(2): 235-243 (In Persian). [Abstract](#) | [Full text](#)
  18. **Shariat A.** Karimzadeh G. and Assareh, M.H (2013). Karyology of Iranian endemic *Satureja* (Lamiaceae) species. Cytologia. 78(3)1-8. [Abstract](#) | [Full text](#)
  19. Hooshmand-khanghahi, S., Ghamari Zare, A., **Shariat, A.** and Kiarostami, K. (2013). The study of phytoremediation potential of three species of *Salix alba*, *S. acmophylla* and *S. fragilis* under Lead stress. Iranian Journal of Forest and Range Protection Research, 11(1): 60-67 (In Persian). [Abstract](#) | [Full text](#)
  20. Sardabi, S., Saleheh Shoushtari, M.H., Banj Shafiei, S.H., Jafari, A.A., Toghraie, N., **Shariat, A.** and Assareh, M.H. (2013). Investigation on potential of few eucalypt species for absorbing pollutants and reserving them in their leaves Iranian Journal of Forest and Poplar Research, 21(2): 357-372 (In Persian). [Abstract](#) | [Full text](#)
  21. Sakhaee, M., Assareh, M.H., **Shariat, A.** and Bakhshikhaniki, G.R. (2013). Allelopathic effects of *Eucalyptus camaldulensis* on peroxidase activity and some growth parameters of *Triticum aestivum*. Iranian Journal of Medicinal and Aromatic Plants. 29(1): 11-25 (In Persian). [Abstract](#) | [Full text](#)
  22. Khosropour, S., Attarod, P., Shirvany, A., Matinizadaeh, M. and **Shariat, A.** (2012). Chemical composition of throughfall in *Pinus eldarica* and *Cupressus arizonica* plantations in a polluted area (Case study: Chitgar forest park). Iranian Journal of Forest and Poplar Research, 20(3): 370-387 (In Persian). [Abstract](#) | [Full text](#)
  23. **Shariat, A.** and Heidari Sharif Abad, H. (2012). Study of salinity tolerance in Salad Burnet (*Poterium sanguisorba*) through physiological characteristics. The Plant Production, 34(2B):1-13 (In Persian). [Abstract](#) | [Full text](#)
  24. Naraghi, T.S., Emam, M., Ghamrizare, A., Damizadaeh, Gh. and **Shariat, A.** (2012). In vitro propagation of *Capparis decidua* through shoot tip culture of seedlings and mature trees. Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research, 20(1):134-144 (In Persian). [Abstract](#) | [Full text](#)
  25. Rad, M.H., Assareh, M.H., Soltani, M. and **Shariat, A.** (2012). Water relationship of eucalyptus (*Eucalyptus camaldulensis* Dehnh.) under soil drought stress. Iranian Journal of Forest, 4(2):89-101 (In Persian). [Abstract](#) | [Full text](#)
  26. Hashempour, F., Rostami Shahraji, T., Assareh, M.H. and **Shariat, A.** (2011). Impact of drought stress on some physiological traits in five Eucalypt species. Iranian Journal of Forest and Poplar Research, 19(2):222-233 (In Persian). [Abstract](#) | [Full text](#)
  27. **Shariat, A.**, Assareh, M. H. and Ghamari Zare, A. (2010). Effects of cadmium on some physiological characteristics of *Eucalyptus occidentalis*. Journal of Science and Technology of Agriculture and Natural Resources, Water and Soil Science, 53: 154-164 (In Persian). [Abstract](#) | [Full text](#)
  28. Sakhaee, M., Assareh, M. H., **Shariat, A.** and Bakhshikhaniki, G. R. (2010). The study of allelopathic effect of *Eucalyptus camaldulensis* on germination and seedling growth of wheat (*Triticum aestivum* L.). Journal of Plant Environmental Physiology, 16(4): 58-68 (In Persian). [Abstract](#) | [Full text](#)
  29. **Shariat A.** and Assareh, M.H. (2009). Effects of drought stress on *Eucalyptus camaldulensis* at germination and seedling stage. Review of Forests, Wood Products and Wood Biotechnology of Iran and Germany. Universitatsdrucke Gottingen, 3: 245-255. [Abstract](#) | [Full text](#)
  30. Assareh, M.H. and **Shariat, A.** (2009). Salinity resistance in germination stage and growth stage in Some *Eucalyptus* species. Journal of Agricultural Sciences and Natural Resources, 15(6):139-144 (In Persian). [Abstract](#)
  31. **Shariat, A.** And Assareh, M. H. (2008). Effects of drought stress on pigments, prolin, soluble sugar and growth parameters on four *Eucalyptus* species. Pajouhesh va Sazandegi, 78: 139-148 (In Persian). [Abstract](#)

32. Assareh, M.H., **Shariat, A.** and Ghamari Zare, A. (2008). Seedling response of three *Eucalyptus* species to toxic concentration of copper and zinc in solution culture. *Caspian Journal of Environmental Science (CJES)*, 6(2): 97-103. [Abstract](#) | [Full text](#)
33. Assareh, M.H., Rostami Shahraji, T., **Shariat, A.** and Rafie, F. (2007). Tolerance of few Eucalypt species to salinity in *vitro*. *Iranian Journal of Forest and Poplar Research*, 14(4):325-336 (In Persian). [Abstract](#) | [Full text](#)
34. Azad, A.G., Mirzaie-Nodoushan, H. and **Shariat, A.** (2007). Study of karyotypic characteristics of populations of *Stipagrostis pennata* using principal components analysis. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 14(4):201-213 (In Persian). [Abstract](#) | [Full text](#)
35. **Shariat, A.** and Asareh, M.H. (2006). Effects of different levels of heavy metals on seed germination and seedling growth of three *Eucalyptus* species. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 14(1): 46-53 (In Persian). [Abstract](#) | [Full text](#)
36. Mirzaie-Nodoushan, H., Madah arefi, H., Asadi Karam, F. and **Shariat, A.** (2006). Variability in ploidy levels as a barrier for interspecific hybridization in *Bromus* species. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 13(2): 177-187 (In Persian). [Abstract](#) | [Full text](#)
37. Mirzaie-Nodoushan, H., Heidari-Sharifabad, H., Asadi, F. **Shariat, A.** (2006). Ivolutionary karyotypic variation in *Bromus tomentellus* populations. *Cytologia*, 71(3):297-301. [Abstract](#) | [Full text](#)
38. Assareh, M.H. and **Shariat, A.** (2006). Salinity resistance of three *Eucalyptus* species at germination and seedling stages. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 13(4): 385-400 (In Persian). [Abstract](#) | [Full text](#)
39. Azad, A.G., Mirzaie-Nodoushan, H. and **Shariat, A.** (2006). Investigation of karyotypic correlation for estimating genetic relationship between several populations of *Stipagrostis pennata*. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 13(4): 361-372 (In Persian). [Abstract](#) | [Full text](#)
40. Mirzaie Nodoushan, H., **Shariat, A.**, Rezaie, M. B. and Sartavi, K. (2004). Investigation on chromosome behaviors in several populations of *Aloe littoralis* and *Aloe vera*. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 12(1):51-66 (In Persian). [Abstract](#) | [Full text](#)
41. Mirzaie Nodoushan, H., **Shariat, A.** (2003). Karyotypic variation in different *Bromus* species. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 11(1): 53-62 (In Persian). [Abstract](#) | [Full text](#)
42. **Shariat, A.**, Mirzaie-Nodoushan, H. and Maddah, A. (2003). Karyotypic investigation on several species of *Stipagrostis*. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 9:25-38 (In Persian). [Abstract](#) | [Full text](#)
43. **Shariat, A.** and Heidari Sharif Abad, H. (2003).Salinity resistance of salad burnet (*Poterium sanguisorba*) in germination stage and seedling growth. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 11(1): 17-26 (In Persian). [Abstract](#) | [Full text](#)
44. Mirzaie-Nodoushan, H., **Shariat, A.**, Asadi-Corom, F. (2002). Evaluation of existing genetic variation in different population of *Haloxylon* spp. Using electrophoresis technique. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 7: 98-117 (In Persian). [Abstract](#) | [Full text](#)
45. Mirzaie-Nodoushan, H., **Shariat, A.**, Ghamari Zare, A. and Sangtarash, M.H. (2002). Cytogenetic annual medic species (*Medicago* spp.). *Pajouhesh va Sazandegi*, 53:58-63 (In Persian). [Abstract](#)
46. **Shariat, A.**, Mirzaie-Nodoushan, H., Ghamari Zare, A. and Sangtarash, M.H. (2002). Electrophoresis of seed storage proteins in several medic species. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 8: 68-80 (In Persian). [Abstract](#) | [Full text](#)
47. **Shariat, A.**, Mirzaie-Nodoushan, H., Ghamari Zare, A. and Sangtarash, M.H. (2001). Investigation of relationship between and within species of annual medics based on morphological characteristics. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 7: 81-97 (In Persian). [Abstract](#) | [Full text](#)

48. **Shariat, A.**, Mirzaie-Nodoushan, H., Ghamari Zare, A. and Sangtarash, M.H. (2001). Karyotypic analysis of several annual medic species (*Medicago* spp.) using multivariate methods of analysis. Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research, 6:1-23 (In Persian). [Abstract](#) | [Full text](#)
49. **Shariat, A.**, (2002). Investigation of genetic variation in some medic species based on cytogenetic, electrophoresis and morphologic studies. M.Sc. Thesis, Mazandaran University of Agricultural Sciences, Iran (In Persian).

#### **IX. Papers Presented in Conferences:**

1. **Shariat, A.**, Karimzadeh, G., Assareh, M. H., and Hadian, J. (2015). Influence of ploidy level on drought tolerance in Iranian endemic *Satureja* medicinal plant. In: The Proceedings of the International Conference on Biological Products (ICBP 2015), 18- 20 Sep, Shanghai, China, Article ID: ICBP2015Sep\_30013, pp. 24-25.
2. **Shariat, A.**, Assareh, M. H. and Ghamari Zare, A. (2010). Effects of cadmium and copper of some physiological parameters on *Eucalyptus microtheca*. The International forestry review.12(5), pp: 255. In: XXIII IUFRO World Congress, Forest for the Future Sustaining Society and the Environment, 23-28 August 2010. Seoul, Republic of Korea.
3. **Shariat, A.** and Assareh, M. H. (2010). Improving drought tolerance of *Eucalyptus* by glycine betaine application and selection. The International forestry review.12(5), pp: 39. In: XXIII IUFRO World Congress, Forest for the Future Sustaining Society and the Environment, 23-28 August 2010. Seoul, Republic of Korea.
4. Assareh, M. H. and **Shariat, A.** (2010). Changes in germination characteristics, growth, leaf water relations and pigments of *Eucalyptus meliodora* in response to drought stress. The International forestry review.12(5), pp: 37. In: XXIII IUFRO World Congress, Forest for the Future Sustaining Society and the Environment, 23-28 August 2010. Seoul, Republic of Korea.
5. Assareh, M. H. and **Shariat, A.** (2010). Osmoprotectants accumulation in *Eucalyptus sargentii* and *E. camaldulensis* under salinity stress. The International forestry review.12(5), pp: 37. In: XXIII IUFRO World Congress, Forest for the Future Sustaining Society and the Environment, 23-28 August 2010. Seoul, Republic of Korea.
6. Hooshmand Khanghahi, S., Ghamari zare, A., **Shariat, A.** and Kiarostami, K. (2012). The study of phytoremediation potential of *Salix alba*, *S. acmophylla* and *S. fragillis* to lead, zinc stress. The Proceedings of the 5<sup>th</sup> International Iranian Biology Conferences, 4-6 Sep 2012, Mashhad, Iran.
7. Hooshmand Khanghahi, S., **Shariat, A.**, Ghamari zare, A. and Kiarostami, K. (2012). Phytoremediation of heavy metal by *Salix alba*. The Proceedings of the 5<sup>th</sup> International Iranian Biology Conferences, 4-6 Sep 2012, Mashhad, Iran.
8. Heidari, B., Assareh, M.H., Enteshari, S. and **Shariat, A.** (2011). Allelopathic effects of the leaf and root of *Eucalyptus camaldulensis* on different parameters of Mountain Rye, In: The Proceedings of the 2<sup>nd</sup> Iranian Conference of Plant Physiology, 28-29 Apr, 2011, Yazd Univ., Yazd, Iran, pp: 160.
9. Heidari, B., Assareh, M.H., Enteshari, S. and **Shariat, A.** (2011). Allelopathic effects of *Eucalyptus camaldulensis* on germination and growth of three weed species. In: The Proceedings of The 2<sup>nd</sup> National Biology Congress of Researchers, Mar 2011, Tehran, Iran, pp: 480.
10. Abbaszadeh, B., Ardakani, M.R., Lebaschi, M.H., Layegh Haghghi, M., Asri, Y. and **Shariat, A.** (2011). Reaction of different ecotype of caphor to temperature and different concentration of poly ethylene glycohol. The Proceedings of the Secound National Conference on Seed Science and Technology, Faculty of agriculture, Mashhad branch, Islamic Azad University, 26-27 Oct 2011, Mashhad, Iran.

11. Heidari, B., Assareh, M.H., Enteshari, S. and **Shariat, A.** (2010). The study of allelopathic effect of *Eucalyptus camaldulensis* on germination and seedling growth of three species of some weeds). In: The Proceedings of the 16th National and 4th International Conference of Biology, 14-16 September 2010, Ferdowsi University of Mashhad, Mashhad, Iran, pp.682.
12. **Shariat, A.**, Assareh, M. H. and Ghamari Zare, A. (2008). Variation of *Eucalyptus* species in absorption of heavy metal (copper, zinc, lead and cadmium), The Proceedings of 8th Iranian Genetics Society, 21-23 May 2008. Millad Hospital Halls Center, Tehran, Iran. pp: 182.
13. Saedi, K., Jalili, A., Naseri, H.R. and **shariat, A.** (2003). Karyotype determination in *Aretemisia* species of Azarbaijan Garbi province, The Proceedings of 8th Iranian Genetics Congress, 2003. Millad Hospital Halls Center, Tehran, Iran.
14. Mirzaie-Nodoushan, H., **Shariat, A.** (2002). Karyotypic variation in different *Bromus* species. The Proceedings of the first Iranian Plant Biodiversity, 19-21 Augst 2002. Tehran University, Iran.

#### X. Research Students Supervised and Co-Supervised:

1. Zare Teimoori, S. "Morphological, Cytogenetical and Phytochemical Variations in some Populations of Savory (*Satureja* spp.) Medicinal Plant", M.Sc. Tarbiat Modares University, Jul, 2019.
2. Shahbaz. S. "*In vitro* and *in vivo* drought stress studies of Iranian endemic savory (*Satureja macrosiphonia*)". M.Sc., Islamic Azad University, Oct 2013.
3. Tavakoli, A., "Salinity resistance in germination stage and growth stage in Some *Eucalyptus* species". M.Sc., Paiame Noor University, Dec 2012.
4. Hooshmand Khangahi, S. "Heavy metal absorption in three *Salix* species". M.Sc., Alzahra University, Faculty of Science, Sep. 2012.
5. Sakhaei. M., "The study of allelopathic effect of *Eucalyptus camaldulensis* on germination and seedling growth of three agriculture species". M.Sc., Paiame Noor University, Sep 2010.
6. Hashem pour, F., "Investigation of drought stress effects in nine *Eucalyptus* species". M.Sc., Gilan university, Natural Resources Faculty, Aug 2008.
7. Rafie, F. "Comparison of germination and seedling parameters in five *Eucalyptus* spesies under salinity stress". M.Sc., Gilan university, Natural Resources Faculty, Sep 2006.
8. Azad, A.G. "Karyotypic investigation on several species of *Stipagrostis*". M.Sc., Islamic Azad University, Sep, 2004.

#### XI. Courses Taught

1. Plants Propagation, Plant Biology Course, M.Sc., Univ. of Alzahra, Iran
2. Cellular Biology, Agriculture and Plant Breeding Course, B.Sc., Islamic Azad University
3. Computer Application in Statistical Analysis, Plant Biology Course, M.Sc., Payame Noor Univ., Iran
4. Methodology of Research, Plant Biology Course, M.Sc., Payame Noor Univ., Iran
5. Cytogenetics, Plant Biology Course, M.Sc., Univ. of Alzahra, Iran
6. Estimation of Measurement Uncertainty in Labs, Staff Training Course, Research Institute of Forests and Rangelands, Iran

#### XII. Refrees

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### **XIII. Honors**

- 1- Selected young researcher of the Ministry of Jihad Agriculture in 2009
- 2- Ranked 1st top in the doctoral entrance examination in plant breeding, 2010, Iran
- 3- 1st top GPA in the class of plant breeding, plant breeding and biotechnology department, Tarbiat Modares University, 2016