

CURRICULUM VITAE



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Personal Information:

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Academic Education:

Degree	Institution	Field	Date
B.Sc	University of Tehran	Rangeland and Watershed management	1991
M.Sc	Tarbiat Modares University	Range management	1994
Ph.D.	Moscow Timiryazev University Department of Ecology (Russia)	Rangeland Ecology and Rehabilitation of Arid Rangelands	2004

Academic Experiences:

Assistant Professor of Tarbiat Modares University, Tehran , Iran, (since 2004)

Associate Professor of Tarbiat Modares University, Tehran , Iran, (since 2009)

Skills:

Niche Ecological modeling, GAM and HOF models, R software, Ecological Methodology software, Minitab software

Research interests:

Rangeland Ecology, Rehabilitation and Improvement of Arid Rangelands

Research publications:

1. Ghasem Ali Dianati Tilaki, Bahman Shakarami, Masoud Tabari . 2011. Alleviation of salinity stress on the germination and early growth of three fescue species with seed priming treatments, *Propagation of Ornamental Plants*, Vol. Vol.11, No. 2, pp. 102-108.
2. Behzad Behtari and Ghasem Ali Dianati Tilaki, 2012, Changes in germination characteristics and seedling growth between storage and non-storage of primed tall fescue seed', *African Journal of Biotechnology* - 19(11)4317-4322.
3. Ghasem Ali Dianati Tilaki, Hoseein Naderi Nasrabad, Jalal Abdollahi, 2011, Investigation of relation ship between vegetation , Topography and some soil physico-chemiocal characteristics in Nadushan ranmgelands of Yazd province, Iran, *International Journal of Natural Resources and Marine Sciences(Ecopersia)*, 2(1)147-156.
4. Ghasem Ali Dianati Tilaki, Behzad Behtari, Behnam Behtari, 2009,Effect of salt and water stress on the germination of Alfalfa(*Medicago sativa*)', *Povolzhskiy Journal of Ecology*,(2)158-164.
5. Seyed Morteza Araghi Shahri, Ghasem Ali Dianati Tilaki, Behzad Behtari, Mohammad Ali Alizadeh, 2014, Comparative Effects of Hydropriming and Halopriming on Germination Performance of *Secale montanum* Guss. under Salinity Stress, *Journal of Rangeland Science*, 4(3): 216-223.
6. Dianati Tilaki, Gh.A., Mirzaee, A.R., Rezaee, M.B., Tabari, M., 2013, Study on the effect of environmental factors on active components of *Papaver bracteatum* Lindl. capsule in

mountain rangelands of Rineh, Mazandaran Province, *Eco-phytochemical Journal of Medical Plants and By-products*, 1(3): 1-9.

7. Ghasem Ali Dianati Tilaki, Reza Bahari Balkhkanloo, Mohammad Bagher Rezaee, Masoumeh Amirkhani, 2013, Allelopathic Effect of *Artemisia herba-alba* Asso. Essential Oil on Seed Germination of *Agropyron desertorum* and *Agropyron cristatum*, *Journal of Medicinal plants and By-products*, 2(2): 171-176.
8. Behzad Behtari, Farzaneh Gholami, Khalid A Khalid, Ghasemali Dianati Tilaki & Reza Bahari , 2012, Effect of Growth Stages and Altitude on *Artemisia herba-alba* Asso Essential Oil Growing in Iran, *Journal of Essential Oil Bearing Plants*, 15(2): 307-313.
9. Behzad Bhtari, Ghasem Ali Dianati Tilaki, Farzaneh Gholami, Reza Bahari Balkhkanlou, 2011, Comparison of the essential oil constituents of *Artemisia herba-alba* Asso. in the vegetative and flowering stages', *Agri.Sci. Digest-*, (2)100-105.
10. Ghasem Ali Dianati Tilaki, Behzad Behtari, Mohammad Ali Alizadeh, Ali Ashraf Jafari, 2010, Effect of seed priming on germination and seedling growth of *Festuca arundinacea* and *Agropyron desertorum*, *Povolzhskiy Journal of Ecology-* (3)323-330.
11. Ghasem Ali Dianati Tilaki, Farzaneh Gholami, Behzad Behtari and Kamal Ghasemi Bezdi, 2013, Chemical composition and allelopathic effect of the essential oil of *Artemisia herba-alba* Asso. On seed germination and early seedling growth of legumes and grasses species, *Legume Research*, 36(1): 33-40.
12. Ghasem Ali Dianati Tilaki, Rasol Kamarei, Mehdi Vafakha, 2013, Determining the relation between soil properties and spatial variability of *Nitraria schoberi* Linn. Using geostatistical analysis: A case study in Meighan playa in Iran, *Polish Journal of Ecology*, 61(1): 93-104.
13. Gh.A.Dianati Tilaki, A.A.Naghipour Borj, H.Tavakolli, M.Haidarian, 2010, 'The effect of exclosure on plants in the semi-arid rangeland of North Khorasan province, Iran', *Desert*, (15)45-52.
14. Dianati Tilaki, Gh.A., Haidarian Aghakhani, M., Filehkesh, I. and Naghipour Borj, A.A , 2012, Investigation on the effects of Phenological Stages on Forage Quality and Soluble Carbohydrates in *Salsola arbuscula* and *Salsola richteri* species in Saline Rangelands of Sabzevar, *Iranian journal of Range and Desert Reseach*, 18 (4): 652-661.

15. Vahideh Abdollahi, Ghasem Ali Dianati Tilaki, Jalil Farzadmehr, 2009, Comparative Palatability of rangeland plants for camel In the arid regions of Iran(Case study: rangeland of Birjand), *Journal of Rangeland*, 3(3): 428-443.
16. A.Alizadeh, Gh. A. Dianati Tilaki, B. Naserian Khiabani, 2014, Effect of seed irradiation with gamma ray on some physiological properties and biochemical parameters of plants in two species of *Bromus inermis* and *B. tomentellus*, *Journal of Rangeland*,. 8(2): 137-147.
17. Ghasem Ali Dianati Tilaki, Bahman Shakarami, Masoud Tabari, Behzad Behtari, 2010, Increasing Salt tolerance in tall fescue by seed priming techniques during germination and early growth, *Indian J.Agr.Res.* 44(3): 177-182.
18. Jamil Amanollahi, Ahmad Makmom Abdullah and Ghasem Ali Dianati Tilaki, 2011, Relationship between plants evening and soil properties in the rangeland, Lar National Park, Iran, *African Journal of Agricultural Research*, 6(24): 5551-5557.
19. Ghasem Ali Dianati Tilaki. 2001.'Effect of some ecological factors on distribution of *Dactylis glomerata* in the beech forest degradation of Mazandaran province', *Journal of Daneshvar*, No. 26, pp. 43-52
20. Dianati Tilaki, Gh.A., M.Nasiri, S.Noori and S.H. Kaboli , 2011.'The effect of salinity stress on seed germination of two species vof *Aelluropus* from four Accesion', *Iranian Journal of Range4 and Desert Research*, Vol. vol.12, No. 3, pp. 334-347.
21. M.Jafari, N.Rahimzadeh, GH.A.Dianati Tilaki, 2007. 'study on relationship between litter quality and arial parts in some rangeland species', *Pajouhesh -va- Sazandeghi*, Vol. 19 , No. 3, pp. 89-97.
22. GH.A.Dianati Tilaki, A.Mirjalili, 2008. Investigation on Palatability of rangeland plants in Yazd region , Iran, *Pajouhesh -va- Sazandeghi*, Vol. 20, No. 3, pp. 69-74.
23. M.Amirkhani, Gh. A. Dianati Tilaki, M. Mesdaghi, 2008.An investigation forage quality of *Agropyron cristatum* and *Tinopyrum intermedium* in different phenological stages at Golestan National Park', *Pajouhesh -va- Sazandeghi*, Vol. 20, No. 1, pp. 61-66.
24. E. Bagheri Rad, Gh. Ali Dianati Tilaki, M. Mesdaghi, M. Amirkhani. 2008. An investigation on forage quality of three grasses (*Aeluropus lagopoides*, *Aeluropus littoralis*, *Puccinellia distans*) at saline and alkaline habitates of Incheh-boron in Golestan National Park ', *Pajouhesh -va- Sazandeghi*, Vol. 20, No. 3, pp. 157-164.

25. J.Amanolahi, GH.A.Dianati Tilaki, A.Salehi & H.Sohrabi, 2009. 'The succession process in three rangeland sites and its relationship with soil properties(case study: Lar National Park) p ', *Journal of Rangeland*, No. 1, pp. 11-21.
26. R. Hedaetizadeh, J.Farzadmehr, Gh.A. Dianati , M. Hosseinalizadeh. 2009. 'Evaluation of rangelands suitability of Western Birjand for camel grazing ', *Journal of Rangeland*, No. 4, pp. 385-401.
27. H.Khedri Gharibvand, Gh.A.Dianati Tilaki, M.Mesdaghi, M.Sardari and H.Mohammad Askari , 2009, 'Effect of *Camphorosma monspeliaca* on soil elements in Chaharmahal and Bakhtiari province', *Journal of range and watershed management, (Iranian Journal of Natural Resources)*, Vol. 62, No. 1, pp. 33-47.
28. J.Amanollahi, Gh.A.Dianati Tilaki, A.Salehi, H.Sohrabi, 2008. 'The relationship of the most effective soil characteristics on canopy covers of range plants in three habitatn types ', *J.Agric.Sci.Natur.Resou.*, Vol. 15, No. 3, pp. 184-192.
29. A.Mirjalili, Gh.A.Dianati Tilaki and N. Baghestani, 2009.'Comparison of five distance methods for estimating density on shrub communities in Tang-Laybid Yazd ', *Iranian Journal of Range and Desert Research*, Vol. 15, No. 3, pp. 295-303.
30. E.Fakhimi, Gh.A.Dianati Tilaki, M.Mesdaghi, H.Naderi Nasrabad, 2009. 'The effect of water point distances on species diversity and species composition in dry Rangelands of Nodushan , Yazd Province , Iran ', *Journal of Rangeland*, Vol. 3, No. 1, pp. 41-52.
31. H. Kedri GHaribvand, Gh. A. Dianati Tilaki, P. Tahmasebi1,M. Mesdaghi and M. Sardari, 2013, Effect of *Camphorosma Monspeliaca* on Soil Variables in Chaharmahal va Bakhtiari Province, *Journal Sciences & Technology Agricultural & Natural Resources., Water and Soil Sciences.*, Isfahan. University Technology, Isfahan, Iran.17(64): 54-67.
32. H. A. Khedri Gharibvand, Gh. A. Dianati Tilaki., H. Sohrabi., M. Mesdaghi1 & M. Sardari, 2009, Effect of soil properties, elevation and slope aspect on distribution of *Camphorosma monspeliaca* L. in Doto-Tang Sayad region of Chaharmahal and Bakhtiari province , *Rangeland Journal*, 3(3): 357-370.
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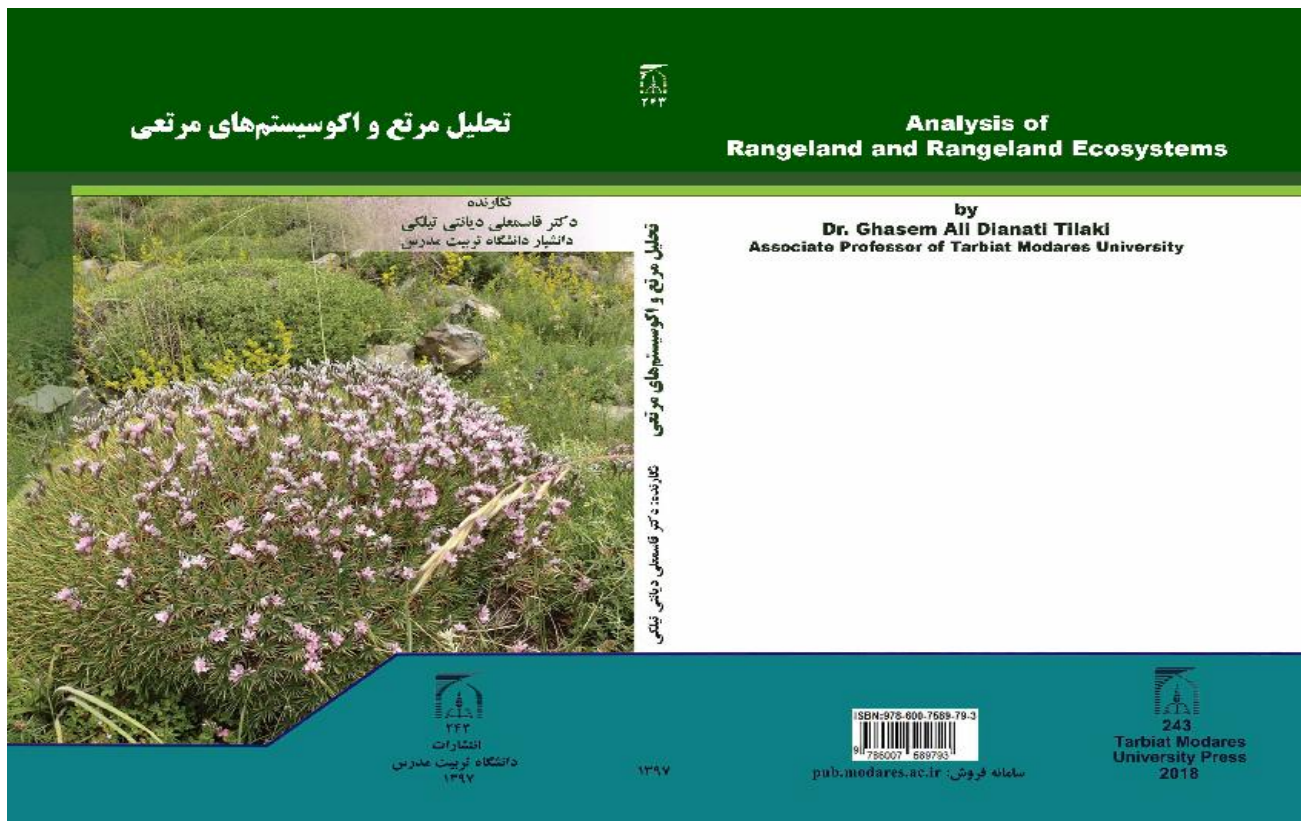
34. Gh.A.Dianati Tilaki, A.Mirjalili , 2008. Investigation on Palatability of rangeland plants in Yazd region , Iran, *Pajouhesh -va- Sazandeghi*, Vol. 20, No. 3, pp. 69-74.
35. Ghasem Ali Dianati Tilaki , Ali Mohammad Sharifi, Seyed Jalil Alavi, 2015, Comparison of the ecological amplitude of *Festuca ovina* and *Poa bulbosa* to some environmental variables using the function HOF(Case study: Rangeland of Glandrood Watershed), *Journal of Range and Watershed Management, (Iranian Journal of Natural Resources)*, 68(2): 269-285.
36. Ghasem Ali Dianati Tilaki, Rasol Kamarei, Mehdi Vafakha, 2013, Determining the relation between soil properties and spatial variability of *Nitraria schoberi* Linn. Using geostatistical analysis: A case study in Meighan playa in Iran, *Polish Journal of Ecology*, 61(1): 93-104.
37. Ghasem Ali Dianati Tilaki, Behzad Behtari, 2017, Alleviation of ionic and osmotic stress of salinity in seedling emergence of *Lolium perenne* L. with halopriming treatments growing in an hydroponic system, *Journal of Plant Nutrition*, 40(2): 219-226.
38. Fateme Alvani, Ghasem Ali Dianati Tilaki, Seyed Ehsan Sadati, 2018. The Effects of Seed Priming with Acid Ascorbic on Seed Germination and Morphological Traits of *Taverniera cuneifolia* under Drought Stress, *Journal of Rangeland Science*, 2018, 8(3): 264-271.
39. Fateme Heidari, Ghasem Ali Dianati Tilaki, Seyyed Jalil Alavi, 2017. Comparison of the ecological amplitude of *Bromus tomentellus* B., and *Festuca ovina* L. to some environmental variables using the function HOF (Case study: Rangeland of Glandrood Watershed), *Journal of Plant Researches*, 30(2): 312-322.
40. Fatemeh Heidari, Ghasem Ali Dianati Tilaki , Seyed Jalil Alavi, 2017. Evaluation on the response of *Bromus tomentellus* Boiss and *Festuca ovina* L., to some environmental variables using the Generalized Additive Model(GAM) in the rangeland of Galandrood watershed in Mazandaran province, Iran, *Iranian Journal of Plant Biology*, 9(3): 79-94.
41. Fatemeh Heidari, Ghasem Ali Dianati Tilaki, Seyed Jalil Alavi, 2018. Comparison of the response curve of *Bromus tomentellus* Boiss. and *Achillea millefolium* L. species to some environmental gradients using the Generalized Additive Model , *Journal of Plant Ecosystem Conservation*, 5(11): 17-34.

42. Fatemeh Heidari, Ghasem Ali Dianati Tilaki, Seyed Jalil Alavi 2017. Investigation on the response of Boiss *Bromus tomentellus.*, to some environmental variables using the HOF function in the rangeland of Galandrood watershed, *Journal of Rangeland*, 11(1): 1-15.
43. Maryam Ahmadi Jolandan, Ghasem Ali Dianati Tilaki, Vahid Gholami, 2018, Estimation of the rangeland cover by coupling artificial neural network (ANN) and geographic information system (GIS) in Baladeh Rangelands, *Journal of Plant Ecosystem Conservation*, 6(12): 153-175.
44. Mehdi Kheyrianpour, Ghasem Ali Dianati Tilaki, Fateme Alvani, 2018. Effect of nanosilver particles on germination traits of *Taverniera cuneifolia* L. under salinity stress, *Journal of Seed Research*, 8(1): 69-78.
45. Fahime Bazayar, GhasemAli Dianati Tilaki, Sayed Jalil Alavi, 2018. Comparison of the ecological amplitude of *Trifolium repens* and *Phlomis cancellata* to some environmental variables using the function HOF (Case study: Rangeland of Glandrood Watershed), *Journal of Rangeland*, 12(2): 124-137.
46. Amin Mahmoodian Chooplu, Ghasem Ali Dianati Tilaki, Seyed Jalil Alavi, 2017. Investigation on the response of *Frankenia hirsuta* species to some environmental gradients using HOF function in the saline rangelands of Inchehbrun, Golestan province, *Desert Ecosystem Engineering Journal*, 5(13): 25-38.
47. Amin Mahmoodian Chooplu, Ghasem Ali Dianati Tilaki, Seyed Jalil Alavi, 2017. Investigation on the response of *Aeluropus lagopodes* and *Salsola turcomanica* species to some environmental gradients using the function HOF in the rangeland of Inchehboroun, *Journal of Rangeland*, 10(3): 268-281.
48. Ghasem Ali Dianati Tilaki, Aliyeh Keshavarz and Bahram Amiri., 2016. Physiological and biochemical adaptations of *Hedysarum coronarium* L. and *Hedysarum criniferum* Boiss to salinity stress, *Range Management & Agroforestry*, 37 (1) : 32-38.
49. Sahar Ghorbanpour , Ghasem Ali Dianati Tilaki, Mohammad Ali Alizadeh., 2019. Effect of cold treatment on leaf quality forage of *Festuca arundinaceae* Scherab and *Dactylis glomerata* L species in vegetative growth stage, *Journal of Rangeland*, 13(3): 368-375.
50. Maryam Ahmadi Jolandan , Ghasem Ali Dianati Tilaki., Vahid Gholami .2018, Estimation of the rangeland cover by coupling artificial neural network (ANN) and

geographic information system (GIS) in Baladeh Rangelands, , *Journal of Plant Ecosystem Conservation*, 6(12): 153-175.

Book:

1. Ghasem Ali Dianati Tilaki, 2018. *Analysis of Rangeland and Rangeland Ecosystems*, Tarbiat Modares University Press, 236pp.(In Persian).



Refereed National Conference Proceedings

1. Dianati Tilaki, G.H.A., 2004, 'The relation of plants length growth and abiotic factors in the rangeland ecosystems of desert regions', The fourth international Iran and Russia conference Agriculture and Natural Resources, Iran, Sahrecord University
2. Dianati Tilaki, G.H.A., Abedi, M., Shahriary, E., and Arzani, H., 2005, 'Comparison of a biometric method with clipping and weighing method for estimating the yield of *Artemisia sieberi* (case study Zarand – e-save region)', International Grassland Congress, Ireland, Dublin, Ireland

3. GH.A. Dianati, H. Tavakoli, A.A. Naghipour, M. Haidarian, 2008, 'An investigation of effect of aspect of slope on biological vegetation diversity index (Case study: Rangelands of Sisab, Bojnord)', The Third International Biological Conference, 19-21 August, University of Tehran, IRAN.

4. GH.A. Dianati Tilaki, 2006, 'Variations of vernal annual plants species at different relief forms in the arid zone of Iran', Eighth International Conference on Development of Drylands, International Center for Agriculture Research in the Dry Areas (ICARDA), February 25-28, Beijing, China,

5. Ghasem Ali Dianati Tilaki, 2007, 'Some Ecological Characteristics of *Agropyron trichophorum* in Summer Rangelands in the North of Iran', International Conference on Environment: Survival and Sustainability, Near East University, Nicosia, Nicosia-Northern Cyprus,

6. Dianati Tilaki, Gh.A., and Gharibvand, H.A.K., 2010, Habitat of *Camphorosma monspeliaca* species in semi-arid regions of Iran, 23th EGF Conference, Germany.

7. Ghasem Ali Dianati Tilaki, Ghader Dannandeh, 2015. The impact of land management on carbon sequestration in Mazandaran Province of Iran, XXIII International Grassland Congress, November 20-24, 2015, New Delhi, India.

8. Ghasem Ali Dianati Tilaki, Bahman Shakarami, Behzad Behtari, 2011, Effect of NaCl priming on the germination characteristics of *Festuca ovina*, IX International Rangeland Congress, April 2 to 8, 2011, Rosario, Argentina.

9. Ghasem Ali Dianati Tilaki, Arezu Alizadeh, Behnam Naserian Khiabani, 2013. Effect of Gamma Irradiation on Seed Germination traits of *Bromus inermis*, 22nd International Congress, Sydney, Australia.

10. Ghasem Ali Dianati Tilaki, Arezu Alizadeh, Behnam Naserian Khiabani, 2013. The effect of salinity stress on seed germination of *Agropyron elongatum*, 22nd International Congress, Sydney, Australia.

Didactic Terms:

1. International Workshop, Sustainable Utilization of Saline water & soil for halophyte cash crop production, Mashhad University, 2007.
2. International Workshop (Drought Management), Tarbiat Modares University, Tehran, 2005

