



## CURRICULUM VITAE

*Reza Dehghani Bidgoli*

### Work Address

**University of Kashan**  
**Kashan, Iran.**  
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**Nationality:** Iranian  
**Date of Birth:** 1982  
**Gender:** Male

### EDUCATION

- 2011-2012**  
**Sabbatical:** Rangeland Management, USA
- 2008-2012**  
**PhD:** Rangeland Management, Iran
- 2005-2007**  
**MSc:** Rangeland Management, Iran
- 2001- 2005**  
**BSc:** Rangeland and Watershed Management, Iran

### EXECUTIVE RESPONSIBILITIES

- 2013- 2015**  
Deputy of Education, Faculty of Natural Resources and Earth Sciences, University of Kashan
- 2011-2015**  
Director of the Desert Ecosystem Engineering Journal (DEEJ), Faculty of Natural Resources and Earth Sciences, University of Kashan
- 2015**  
Scientific secretary of the first National Conference on Low Water Green Space

## **SUPERVISING And ADVISING of MSc And PhD THESIS**

**Ayyoub Mokhtari Nejad:** Investigating the variation of vegetation cover in grass plant types and post-fire planting (Case study: Blauman Mountain Range rangelands of Zagheh, Lorestan Province).

**Medi Nouri:** Investigating the effect of some climate parameters (rainfall and temperature) and edaphic parameter on the quantity and quality of the active ingredients of two species *Rosa damascena* mill L.

**Azadeh Bakhshandeh:** Investigating the possibility of increasing seed germination of various species of *Astragalus* sp using different seed dormancy methods for mass multiplication and regeneration of rangelands.

**Nazanin Azarnejad:** Study of the effect of several environmental stresses on essential oil changes of *Rosmarinus Officinalis*.

**Malihe Dehghani:** The effect of several management methods on the antioxidant properties of polar and nonpolar extracts of *Salvia virgata*

**Mlihe Nasiri:** Effect of Drought Stress, Nitrogen Efficiency and Biochemical Parameters in *Salvia virgata* L.

**Maryam Pirmohammadi:** Effect of irrigation with municipal wastewater on the yield and quality of forage species *Poterium sangosorba*

**Fahimeh Aghababaie:** Optimization of effective parameters in essential oil extraction by Microwave waves from *Rosmarinus officinalis* L. using experimental design methods.

**Somayeh Dour:** Investigation and comparison of quantitative and qualitative properties of 4 extracts of *Narcissus* sp flower in natural habitats of Behbahan city.

**Zahra Abdollahpoor:** Study of the Effect of Land Use and Nutrition Systems on Quantitative and Qualitative Indices of *Rosa damascene* Extract

**Mohammad javad Mahdavi:** Investigating the potential of multiple use of real and optional halophytes (Northeast case study: Aran and Bidgol city)

**Rasol Garoosi:** Comparison of *Salvia officinalis* production of biomass in hydroponic culture with active sludge and water effluent

## **TEACHING AND RESEARCH EXPERIENCE**

Botany  
Medicinal, Industrial and Toxic Plants  
Advanced Statistical Methods  
Methods of Regeneration in Dry Areas  
Analysis of Rangeland Ecosystems  
Soils of Arid and Semi-arid Regions  
Water, Soil and Vegetation Relationship  
Biotoursim  
Desertification and its Coping Strategies

### **Computer Skills**

Knowledge of Excel, Word, PowerPoint, SPSS, Minitab, GIS and RS and AutoCAD.

### **Research Interests**

Medicinal Plants.  
Rangeland Management.  
Climatologic and crops Production.  
Plant Physiology

## **JORNAL And CONFERENCES PUBLICATIONS**

**Dehghani Bidgoli, Reza**, Mohammad Pessaraki, G.A. Heshmati, and A.H. Ebrahimabadi. 2013. Effects of Topographic Factors (Direction and Elevation) of the Site on the Essential Oil Compounds of *Artemisia aucheri* Aerial Parts Grown in a Mountainous Region. *Communications in Soil Science and Plant Analysis Journal*. Vol 44, Issu 17,

**Dehghani Bidgoli, Reza**. M. Pessaraki, G.A. Heshmati, and A.H. Ebrahimabadi. 2014. Relationship between grazing intensity and qualitative and quantitative changes in *Artemisia sieberi* besser essential oil compounds in Kashan province of Iran. *Journal of Plant Nutrition*. Vol 37, Issu 10.

**Reza Dehghani Bidgoli**, Abolfazl Ranjbarforoei, Davoud Akhzari., Estimation of Nutritive Values of Some Range Species as Indicators for Rangelands Management: *Journal of Rangeland Science*, 2012, Vol. 2, No. 4.

Abolfazl Ranjbar Fordoei and Reza **Dehghani Bidgholi** (2016), Impact of Salinity Stress on Photochemical Efficiency of Photosystem II, Chlorophyll Content and Nutrient Elements of Nitere Bush (*Nitraria schoberi* L.) Plants *Journal of Rangeland Science*, Vol. 6, No. 1

Abolfazl Ranjbar Ferdoni and Reza **Dehghani Bidgoli**; 2014; Differential accumulation of nutrients, biochemical and photosynthetic factors in almond seedlings of *Prunus dulcis* D Webb in salinity stress conditions. *Soil and Soil Science Journal (Volume 4, Volume 28)*.

Maliheh Nasiri., Abolfazl Ranjbar Fordoei., Babak Bahreininejad **Reza Dehghani Bidgholi** and Majid ghorbani., Change in chlorophyll index and relative water content leaves., International conference of environmental challenges and Dendrochronology, Sari,Iran., May 2014

Nazanin Azarnezhad and **Reza Dehghani Bidgoli** ., Influence of Salt Stress Together with Bacteria PGPR Treatment on the Quantitative And Qualitative Characteristics of Essence of the *Rosmarinus officinalis* plant., 4th National Congress on Medicinal Plants, Tehran- Iran., 12, 13 May 2015

NazaninAzarnezhadand**RezaDehghaniBidgoli**.,influenceofsaltstresstogetherwithbacteriappgprtreatmentonthequantitativeandq ualitativevecharacteristicsofessenceoftherosmarinusofficinalisplant.,4thNationalCongressonMedicinalPlants,Tehran-Iran.,12,13May2015.

**Reza Dehghani Bidgoli**, Abolfazl Ranjbar Ferdouei; Cropping ability of cow breeder (*Smiriviva iranica*) for dry parasite use in relation to variables of water relations, First National Conference on Low Water-Green Space, University of Kashan, May 2015.

**Reza Dehghani Bidgoli**, Maryam Pirmohammadi Bareh, Abolfazl Ranjbar Ferdouei, Ehsan Zandi, Isfahan; Effect of irrigation water with urban wastewater on raw material and energy metabolism of the species (*Poterium sanguisorba* minor), First National Conference on Low Water-Green Space, University of Kashan, May 2015.

**Reza Dehghani Bidgoli**, Nutritional Value and Forage Quality Indicators in Rangeland's Plants, LAP LAMBERT Academic Publishing (September 19, 2013), ISBN-10: 365946032X, ISBN-13: 978-3659460326.

**Reza Dehghani Bidgoli**, Zahra Abdollahpoor and Maryam Akhbari. 2017. Effect of two irrigation methods and two types of fertilizers on phenolic compounds and antioxidant activity of *Rosa damascene* Mill, *Journal of Ecophytochemistry of Medicinal Plants* (Accepted).

**Reza Dehghani Bidgoli**, Zahra Abdollahpoor and Maryam Akhbari. 2017Investigating the effect of organic and chemical fertilizers on extract yield and phenolic compounds of *Rosa damascene* Mill, *Journal of The new of Cellular and Molecular*,8(29),79-86.

**Reza Dehghani Bidgoli**, Azadeh Bakhshandeh Farajpour, Seyyed Ali Hosseini Tafreshi, 2017. Study of the effect of seed pre-treatment on germination characteristics of three species of grass (*Astaragalus* sp.), *Journal of Seed Research*,7(3)9-16.

**Reza Dehghani Bidgoli, Mohammad javad Mahdavi**, (2018), Effect of Nitrogen and Two Types of Green Manure on the Changes inPercentage and Yield of Peppermint (*Mentha piperita*) Essential Oil, *Not Sci Biol*, 2018, 10(2):245-250.

**Reza Dehghani Bidgoli, Ali Keshavarzi**, (2018)Landscape Function Analysis to Assess the Grazing Effect on Some Soil Features in Arid Ecosystem, *Desert Ecosystem Engineering Journal*, 7 (1) 37-42.

**Reza Dehghani Bidgoli, (2018)** Forage Quality of Calligonum comosum in Three Phenological Growth Stages (Case study: Kashan Rangelands, Iran), Journal of Rangeland Sciences, 8(3), 309-314.

**Reza Dehghani Bidgoli, Hamidreza Koohbanani and Mohammadreza Yazdani.,(2018).** Investigation on ecosystem degradation induced by LU/LC changes using landscape pattern indices analysis. Arabian Journal of Geosciences11(16):440-448.

**Reza Dehghani Bidgoli, Ehsan Zandi Esfahan, Hadi Pirasteh-Anosheh(2023).** An investigation of Earth surface deformation by SBAS-InSAR analysis. Rendiconti Lincei. Scienze Fisiche e Naturali.

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**Majid Bagiyani, Mostafa Zahedifar, Ehsan Sadegh,Reza Dehghani Bidgoli(2024).** Fabrication of smart sunlight window using silver vanadate nanorods ( $\beta$ -AgVO<sub>3</sub>) and its effect on phytochemical properties of several agricultural species. Luminescence

#### SPECIALIZATION and Skills in SCIENTIFIC LANGUAGES

English (Excellent)

Arabic (Good)

دانشگاه گاهکاشان