

CURRICULUM VITAE



Mehdi Abedi

**Assistant Professor
Tarbiat Modares University
Functional ecology and Nature conservation**

Personal Data (Career):

Date and Place of Birth: Sep. 9, 1980, Babol, Iran

Nationality: Iran

English: Fluent

Address: Department of Range Management, Faculty of Natural Resources, Tarbiat Modares University, Noor, Mazandaran, Iran.

Postal Code: 46417-76489, P.O. Box: 46414-356.

Email: abedimail@gmail.com ; mehdi.abedi@modares.ac.ir



Academic Education

July 2008 – April 2013 PhD student in ecology and conservation. [Department of botany](#), University of Regensburg.

Title of thesis: *Seed Ecological Studies in dry Sandy Grasslands for optimizing conservation and restoration management*

January 2007 – October 2007 Instructor of Range and Watershed Management, University of Shahid Chamran, Ahvaz, Iran

April 2006 MSc in Rangeland Ecology and Management, Department of Range management, Tarbiat Modares University([TMU](#)), Noor, Iran.

Title of thesis: *Comparison of Double Sampling and Pooled Equation Methods for Biomass Production.*

September 2003 BSc in Rangeland and Watershed Management, Faculty of Natural Resources, University of Tehran ([UT](#)), Tehran, Iran.

Research interests

Functional ecology, Seed ecology, Diversity, Ecosystem function, Landscape ecology, Invasion

Skills

Ecological modeling (GLM, GAM, Mixed models), R software, Niche modeling and SDM, AFLP

Teaching Experience:

Seed science and technology	Tarbiat Modares University
Plant ecophysiology	Tarbiat Modares University
Applied ecology and nature conservation	University of Regensburg
Rangeland ecology	Shahid Chamran University

Awards and prizes:

The 6th rank in Msc national Exam

PhD Research Grant (4 years stay in UR, Germany), Iranian Ministry of Science, Research and Technology (MSRT).

Professional Affiliations and Activities:

Member of Society of restoration ecology ([SER](#))

Member of International Association for Vegetation Science ([IAVS](#))

Member of European Dry Grassland Group ([EDGG](#))

Review of Manuscripts: ECOPERSIA journal ([ECOPERSIA](#))

Principle investigator in project of " Investigation of rangelands health attributes and indicators in shrublands and grasslands". University of Tehran.

Co- investigator in project of "National assessment program in different climatic regions". National Range and Forest Research Institute (RIFR)

Publications

Google Scholar Citations [Profile](#)

Academia [Profile](#)

Books

- 2013** **Poschlod P, Abedi M, Bartelheimer M, Drobniak J, Rosbakh S, Saatkamp A** Seed ecology and assembly rules in plant communities. [Vegetation Ecology](#) (eds van der Maarel, E. & Franklin, J.), pp: 164-202. John Wiley & Sons, Ltd., Chichester.
- 2015** **Arzani H, Abedi M**, Rangeland assessment: Survey and monitoring. University of Tehran press.
- 2015** **Arzani H, Abedi M**, Rangeland assessment: Vegetation measurement. University of Tehran press.

Peer-reviewed ISI Journals

- 2017** **Abedi M, Zaki E, Erfanzadeh R, Naqinezhad AR.** Germination patterns of the scrublands in response to smoke: The role of functional groups and the effect of smoke treatment method. South African Journal of Botany
- 2014** **Abedi M, Bartelheimer M, Poschlod P.** Effects of substrate type, moisture and its interactions on soil seed survival of three Rumex species. *Plant and soil*.374(1-2) pp.485-495.

- 2013** **Abedi M, Bartelheimer M, Poschlod P.** Aluminium toxic effects on seedling root survival affect plant composition along soil reaction gradients – a case study in dry sandy grasslands. *Journal of vegetation science*. 24:1074-1085

Peer-reviewed Iranian Journals

- 2017** **Zaki E, Abedi M, Naqinejad A. R, Erfanzadeh, R.** Response of different plant functional groups to aerosol and smoke and smoke water. *Journal of plant researches*. 30 (4), 803-814
- 2017** **Bashmaghi M, Erfanzadeh R, Abedi M.** Effect of fire intensity on soil seed bank density of plant functional groups (case study: Golestan national park). *Range and Watershed Management* 70 (1), 43-55
- 2017** **Tayefi H, Erfanzadeh R, Abedi M.** Changes in Chemical Soil Characteristics in Confronting with Fire and Its Severity. *Journal of Water and Soil* 31 (1), 302-311
- 2017** **Zaki E, Abedi M,** Germination Study of Three Perennial Grasses *Stipa caucasica*, *Festuca valesiaca* and *Poa densa* to Smoke and Heat Treatments. *Journal of Rangeland* 10, 474-482.
- 2017** **Bahalkeh K, Abedi M, Dianati Tilaki GA.** The Effect of Seasons and Exposures on Microhabitat Modifications of *Onobrychis cornuta* Cushions. *Environmental Erosion Research* 6 (4), 68-80
- 2017** **Bhalkeh K, Abedi M, Dianati Tilaki GA.** Microclimate Changes of Cushion Species *Onobrychis cornuta* Affected by Fire in Golestan National Park Grasslands. *Iranian Journal of ecohydrology*. 3 (4), 623-630
- 2016** **Naseri B, Tabari M, Abedi M, Phartyal S.** Effect of warm stratification, GA3 and H2O2 on seed germination of Caucasian mapl (*Acer monspessulanum* subsp. *Ibericum* M.B.). *Iranian Journal of Forest*. 8 (1), 23-34
- 2016** **Mohebi S, Dianati G.A, Abedi, M.** Assessment of functionality of vegetation patches in different management treatments (Case study Kojor Noshahr). *Range and Watershed Management* . 69 (1), 187-199
- 2010** **Ahmadi Z, Heshmati G.A, Abedi M (2010)** Investigation the improvement operations affection on ecological indexes of rangeland health (Jahan Nama Garden, Golestan province). *Iranian Journal of Range and Desert Research*. 16: 55-65
- 2009** **Toranjzar H, Ahmadi A, Abedi M, Ahmadi Z (2009)** Assessment of rangeland conditions (health) in Meyghan desert Arak. *Rangeland*. 2: 259- 271
- 2007** **Mahdavi M, Arzani H, Farahpour M, Malekpour B, Jouri H, Abedi, M (2007)** Efficiency investigation of rangeland inventory with rangeland health method.

- 2007** **Abedi M, Arzani H, Shahriary E, Tongway D, Aminzadeh M (2007)** Assessment of patches structure and function in Arid and semi arid Rangelands. *Journal of Environmental Studies*. 40: 117-126.
- 2007** **Arzani H, Abedi M, Shahriari E, Ghorbani M (2007)** Investigation of soil surface indicators and rangeland functional attributes by grazing and land cultivation (case study: Orazan-Taleghan). *Journal of Iranian range and desert research*. 14: 68-79
- 2006** **Arzani H, Abedi M (2006)** Investigation of management effects on rangelands health attributes and indicators. *Journal of Iranian range and desert research*.13: 141-161
- 2006** **Jamshidi A.M, Aminzadeh M, Azarnivand H, Abedi M (2006)** Evaluation for quality and quantity of essential oil for *Thymus kotschyianus* (Damavand- Tar). *Journal of Medicinal Plants*. 18: 17-22

Conferences

- 2015** **Abedi M**, Trait based approach and its application in rangelands ecological interpretation. *6th National range management* (key note speaker)
- 2013** **Abedi M, Bartelheimer M, Poschlod P (2013)**. Aluminum-tolerance of species as an independent trait to support Ellenberg indicator value (EIV) for soil reaction (R). *1th conferences in linking vegetation and plant trait databases*. Leipzig. P:33
- 2011** **Abedi M, Bartelheimer M, Poschlod P (2011)** Germination Ecology of Dry Sandy Grassland Species along a pH-Gradient. *41th GFÖ conferences*. Oldenburg. P:31
- 2010** **Abedi M, Bartelheimer M, Krall R, Poschlod P (2010)** Germination Ecology of Dry Sandy Grassland Species along a pH-Gradient Simulated by Different Aluminium Concentrations. *IV Seed ecology conferences*. Utah. P:1
- 2008** **Ahmadi Z, Heshmati G.A, Abedi M (2008)** Investigation the improvement operations affections on ecological indexes of rangeland health in rangelands of Golestan province, Iran. *XXI International Grassland Congress and the VIII International Rangeland Congress*. China.
- 2005** **Dianati H, Abedi M, Shahryari E, Arzani H (2005)** Comparison of biometric method with clipping and weighting method for estimation *artemisia siebri* yield (case study zarand save region). *XX international grassland congress*. Dublin. P:437
- 2005** **Abedi M, Arzani H (2005)** Grazing intensity effects on patches structure in Taleghan. *8th international conference on development of dry lands*. China (P:24)

2005 **Abedi M, Arzani H (2005)** Improving rangeland health in relict dry farming in grassland type. *8th international conference on development of dry lands*. China. P: 28.

Research project

2005 **Arzani H, Abedi M. Tongway D** "Investigation of rangeland health attributes and indicators in shrub land and grassland". University of Tehran(Principle investigator)

2006 **Toranjzar H. Abedi M** " investigation of vegetation patches on rangeland function". university of Arak,Iran (Principle investigator)

2006 "National assessment program in different climatic regions". National range and forest research institute (co- investigator)

2006 "Determination of forage quality of rangeland plant and determination animal unit". universiy of Tehran (co- investigator)