

# Mohammad M, Al-Gharaibeh

**Assistant Professor, Plant Ecology and Systematics.**

Department of Plant Production

Faculty of Agriculture

Jordan University of Science and Technology

Office: +962-2-7201000 Ext. 22245

Mobile: +962-7-99853397

Jordan

E-mail: [mfagharaibeh@just.edu.jo](mailto:mfagharaibeh@just.edu.jo)

## Education

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| • <b>Ph.D. Plant Ecology and Phylogeny</b>       | <b>Martin Luther University Halle-Wittenberg</b>   | <b>2012-2017</b> |
| • <b>M.Sc. Environmental Sciences</b>            | <b>Yarmouk University</b>                          | <b>2001-2004</b> |
| • <b>B.Sc. Natural Resources and Environment</b> | <b>Jordan University of Science and Technology</b> | <b>1997-2001</b> |

## Experiences

### Professional Experiences

- ◆ Field manager of scientific J.U.S.T forestry arboretum, Jordan University of Science and Technology. Dep. of Natural Resources and Environment. 2002-2012.
- ◆ Field manager of Prince Hamza Nature Reserve, Jordan University of Science and Technology. Dep. of Natural Resources and Environment. 2002-2012.
- ◆ Jordanian flora expert (Identification, conservation, distribution, ecology and medicinal uses).
- ◆ Identification expert for the Arabian Honeybee flora group.
- ◆ Excellent skills in identification and collection of Mediterranean and arid land plants species.

## Teaching Activities (Courses)

- ◆ Weed Science (Jordan Univ. of Science and Technology, 2008, 2017-2018)
- ◆ Principles of Plant Biology (Jordan Univ. of Science and Technology, 2017-2018)
- ◆ Plant Taxonomy lab. (Jordan Univ. of Science and Technology, 2002-2009)
- ◆ Forest Dendrology lab. (Jordan Univ. of Science and Technology, 2002-2009)
- ◆ Forest Nursery lab. (Jordan Univ. of Science and Technology, 2002-2009)



## Training Courses

- ♦ Phylogenetic Systematics and Molecular Dating: 9<sup>th</sup> to 17<sup>th</sup> April 2015, Biological Institute, University of Copenhagen, Copenhagen, Denmark.
- ♦ Philosophy of Biological Systematics: 8<sup>th</sup> to 12<sup>th</sup> September 2014, Royal Belgian Institute of Natural Sciences, Brussels, Belgium.
- ♦ Statistical data analysis in R: 13<sup>th</sup> to 17<sup>th</sup> January 2014, Martin-Luther-University Halle-Wittenberg. Halle (Saale), Germany.
- ♦ National Forest Inventory: 6<sup>th</sup> to 10<sup>th</sup> February 2011. US Forest Services, Amman, Jordan.
- ♦ West Asia Red List Training of Trainers: 17<sup>th</sup> to 21<sup>st</sup> January 2011, IUCN, International Union for the Conservation of Nature-Regional Office for West Asia (ROWA), Dead Sea, Jordan.

## Fellowships and Awards

- ♦ DAAD PhD scholarship holder, 2012-2016.
- ♦ Al Sawsana Award for Agricultural Distinguish, (The best scientific research in 2009). Biodiversity of semi-arid Mediterranean grassland: Impact of grazing and afforestation.
- ♦ Research fellowship for project Bridging the Rift (BTR)/ Ecology and Biodiversity of Wadi Araba flora, Stanford University, California, USA, 2008.

## Conferences

- ♦ Phylogenetic symposium "The time for phylogenetics: inferring and applying time trees in evolutionary biology", 22<sup>nd</sup> to 24<sup>th</sup> November 2013, Carl von Ossietzky Universität, Oldenburg, Germany.
- ♦ First International Congress, Documenting, Analyzing and Managing Biodiversity in the Middle East, Intercontinental Hotel, Aqaba, Jordan, 20<sup>th</sup> to 23<sup>th</sup>, October, 2008.



### In preparation:

- ♦ **Al-Gharaibeh, M.**, Borchsenius, F., McKechnie, L., Sanmartin, I. and Ley, A. (**in prep.**). Phylogeny of the pantropically distributed family Marantaceae.
- ♦ Rosche, C., Hensen, I., **Al-Gharaibeh, M.**, Callaway, R., Jasieniuk, M., Khasa, D., Lachmuth, S., Schaar, A., Pal, R., Okada, M., Reshi, Z. and Shah, M. (**in prep.**). Population genetic structure and performance of native and introduced *Conyza Canadensis* populations across the northern hemisphere. *Molecular Ecology*.

### Published:

- 1) El-Elimat, T., Chávez, J.R., Burdette, J.E., Czarneckic, A., Alhawarri, M., **Al-Gharaibeh, M.**, Alali, F. and Oberlies, N.H. (**2018**). Cytotoxic Homoisoflavones from the Bulbs of *Bellevalia flexuosa*. *Fitoterapia*. (<https://doi.org/10.1016/j.fitote.2018.02.022>)
- 2) **Al-Gharaibeh, M.**, Hamasha, H., Rosche, C., Lachmuth, S., Wesche, K. and Hensen, I. (**2017**) Environmental gradients shape the genetic structure of two medicinal *Salvia* species in Jordan. *Plant Biology*. 19: 227–238.
- 3) **Al-Gharaibeh, M.**, Hamasha, H., Lachmuth, S. and Hensen, I. (**2017**) Local adaptation to different phytogeographical regions: Habitat-related variations in seed germination in response to temperature and salinity for two medicinal *Salvia* species from Jordan. *Plant Species Biology*. 32: 25–35.
- 4) Albach, D. C. and **Al-Gharaibeh, M.** (**2015**). Systematics and biogeography of *Veronica* subg. Pentasepalae from the Levant. *Willdenowia* 45: 5–14.
- 5) Alali, F., El-Elimat, T., Albataineh, H., Al-Balas, Q., **Al-Gharaibeh, M.**, Falkinham III, J. O., Swanson, S. M. and Oberlies, N. H. (**2015**). Cytotoxic Homoisoflavones from the Bulbs of *Bellevalia eigii*. *Journal of Natural Products*. 78: 1708-1715.
- 6) Alali, F. Q., Amrine, C.S., El-Elimat, T., Alkofahi, A. S., Tawaha, K., **Al-Gharaibeh, M.**, Swanson, S. M., Falkinham III, J. O., Cabeza, M., Sánchez, A., Figueroa, M. and Oberlies, N. H. (**2014**). Bioactive withanolides from *Withania obtusifolia*. *Phytochemistry letters*. 9: 96-101.
- 7) Alali, F. Q., Njadat, R. M., Mhaidat, N. M., Alkofahi, A. S., **Al-Gharaibeh, M.** and El-Elimat, T. (**2013**). Alkaloids from *Glaucium aleppicum* Papaveraceae. *Jordan Journal of Pharmaceutical Sciences*. 6:308-313.
- 8) El-Alali, A., Al Zoubi, A., **Al-Gharaibeh, M.**, Tawaha, K. and Alali, F. Q. (**2012**) Phytochemical and Biological Investigation of *Nitraria retusa* Asch. *Jordan Journal of Pharmaceutical Sciences*. 5:155-163.
- 9) **Al-Gharaibeh, M.** In: W. Greuter & T. Raus (eds.) (**2011**). *Rosa pulverulenta* M. Bieb, Med-checklist Notulae 30. *Willdenowia*. 41: 323.
- 10) Tawaha, K., **Al-Gharaibeh, M.**, El-Elimat, T. and Alali, F. Q. (**2010**) Determination of Hypericin and Hyperforin Content in Selected Jordanian *Hypericum* Species. *Industrial Crops and Products*. 32: 241-245.

- 11) Alhamad, M.N., Oswald, B.P., Bataineh, M.M., Alrababah, M.A. and **Al-Gharaibeh, M. (2010)** Relationships between herbaceous diversity and biomass in two habitats in arid Mediterranean rangeland. *Journal of Arid Environment*. 74:277-283.
- 12) Lahham, J. and **Al-Gharaibeh, M. (2009)** An Ecosystematic study of a semi-arid ecotone in the northern part of Jordan. *The Arab Journal for Arid Environment*. 2:1-13.
- 13) Alali, F. Q., Tawaha, K. and **Al-Gharaibeh, M. (2009)** LC-MS and LC-PDA Analysis of *Hypericum empetrifolium* and *Hypericum sinaicum*. *Zeitschrift für Naturforschung C, Journal of biosciences*. 64:476-82.
- 14) Alrababah, M., Alhamad, M., Suwaileh, A. and **Al-Gharaibeh, M. (2007)** Biodiversity of semi-arid Mediterranean grassland: Impact of grazing and afforestation. *Applied Vegetation Science*. 10:257-264.
- 15) Tawaha, K., Alali, F. Q., **Al-Gharaibeh, M.**, Mohammad, M. and El-Elimat, T. (2007) Antioxidant activity and total phenolic content of selected Jordanian plant species. *Food Chemistry*. 104:1372-1378.