

## CURRICULM VITEA

١. د. "محمد خير" جابر الشطناوي

**Prof. Moh'd Khair Jaber El-Shatnawi**

Natural Resources and the Environment  
Department, Faculty of Agriculture, Jordan  
University of Science and Technology PO  
Box 3030, Irbid 221100, JORDAN.

**Fax: 962-27201078**

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



**BIRTH DATE & PLACE:** 14/07/1958, JORDAN

**NATIONALITY:** Jordanian

**Vice Dean:** 01/09/2005-31/08/2007

**Professor of Range Ecology:** 01/01/2005-

**Chairman:** 01/09/2000-01/09/2004

**Associate Professor of Range Ecology:** 1/1/2000- 31/12/2004

**Assistant Professor:** 1995-1999

### EDUCATION:

**1995**

**Ph.D.: Major:** Range Science; **Minor:** Agronomy, New Mexico State University, Las Cruces, NM, USA

**1988**

**M.Sc.** in Plant Production/Agronomy, University of Jordan- Amman, Jordan

**1981**

**B. Sc.** in Animal Production, University of Jordan- Amman, Jordan

## **WORK EXPERIENCES**

### **1981-83**

*Teacher and Dept. head of Animal Sci., Ministry of education/ Dept. of Agr. Education*

### **1988-91**

*Food Legume Researcher, Ministry of Agri./National Center of Agriculture Research and Technology Transfer*

## **TEACHING EXPERIENCES**

- Grazing Management (NR 332)
- Range Development and Improvement (NR 473)
- Range Ecology (NR 451)
- Range Management (NR 331)
- Crop Production for Agriculture Engineers (AE 305)
- Feeds and Feeding (AS 234)

## **RESEARCH INTEREST**

- Range Management and Range Plant Ecology under Arid and Semiarid Climate
- Agro-biodiversity researches
- Field crop management

## **PROFESSIONAL & HONORARY SOCIETY:**

- Agricultural Engineers Association, Jordan, 1981-now
- Grassland Society of Southern Africa, South Africa, 1998-2000
- Society for Range Management, USA, 1991-now

- Associat Editors of " World Journal of Agricultural Sciences"

#### **PUBLICATION:**

1. **El-Shatnawi, M. K. J.** and. Ghosheh, H. Z. 1999. Effect of clipping on wall barley (*Hordeum murinum* L.): tillering and forage production. *African Journal of Range & Forage Science* 15:92-96.
2. **El-Shatnawi, M. K.** and Haddad, N. I. 2004. Assessing barley (*Hordeum vulgare*) response to clipping in the semi-arid Mediterranean Climate. *Australian Journal of Experimental Agriculture* 44:37-42.
3. **El-Shatnawi, M. K.** and Al-Qurran, L. Z. 2003. Seasonal Chemical Composition of Wall Barley under Sub-humid Mediterranean Climate. *African Journal of Range and Forage Science* 20:243-246.
4. **El-Shatnawi, M. K.** and Ereifej, K. I. 2001. Chemical composition and livestock ingestion of carob (*Ceratonia siliqua* L.) seeds. *Journal of Range Management* 54:669-673.
5. **El-Shatnawi, M. K.** and Ghosheh, H. Z. 2003. Interference of wild oat and wall barley on growth of dual-purpose barley under semi-arid Mediterranean climate. *Crop Research* 25:12-20.
6. **El-Shatnawi, M. K.** and Ksiksi, T. 2001. Up In The Air How might global warming and the greenhouse effect impact rangelands?. *Rangelands* 23:24-26.
7. **El-Shatnawi, M. K.** and Makhadmeh, I. M. 2001. A Review- Ecophysiology of the plant-rhizosphere system. *Journal of Agronomy and Crop Science* 187:1-9.
8. **El-Shatnawi, M. K.** and Makhadmeh, I. M. 2002. Growth and development of wild oat and dual-purpose barley seedlings. *Journal of Agronomy and Crop Science* 188:141-145.
9. **El-Shatnawi, M. K.** and Turk, M. A. 2002. Dry matter accumulation and chemical content of saltbush (*Atriplex halimus*) grown in Mediterranean desert shrublands. *New Zealand Journal of Agricultural Research* 45:139-144.

10. **El-Shatnawi, M. K. J.**, Al-Qurran, L. Z. and Ereifej, K. I. Saoub, H. M. 2004. Management optimization of Dual-purpose barley (*Hordeum spontaneum* C. Koch) for Forage and Seed Yield. *Journal of Range Management* 57:197-202.
11. **El-Shatnawi, M. K. J.** and Y. M. Mohawesh. 2000. Seasonal Chemical Composition of Saltbush in Semiarid Grasslands of Jordan. *Journal of Range Management* 53:211-214.
12. **El-Shatnawi, M. K. J.**, H. Z. Ghosheh, H. K. Shannag and K. I. Ereifej. 1999. Defoliation time and intensity of wall barley in the Mediterranean rangeland. *Journal of Range Management* 52:258-262.
13. **El-Shatnawi, M. K. J.**, Saoub, H. M. and Haddad, N. I. 2004. Growth and Nutritive Value of Wild Oat (*Avena fatua*) under Mediterranean Climate. *Grass and Forage Sciences* 59:100-103
14. **El-Shatnawi, M. K.**, Al-Quran, L. Z., and Ereifej, K. I. 2003. Seasonal growth and chemical composition of dual-purpose barley. *Crop Research* 25:28-36.
15. **El-Shatnawi, M. K.**, Al-Quran, L. Z., Ereifej, K. I. And Frehat, N. F. 2003. Seasonal growth and development of wall barley (*Hordeum murinum*) under sub-humid Mediterranean climate. *Crop Research* 25:21-27.
16. **El-Shatnawi, M. K.**, Al-Quran, L. Z., Ereifej, K. I. and Turk, M. A. 2003. Defoliation of wall barley under sub-humid Mediterranean conditions. *Australian Journal of Agricultural Research* 54:53-58.
17. **El-Shatnawi, M. K.**, Ksiksi, T., Makhadmeh, I. M. and Haddad, N. I. 2003. A Review- Ecophysiological impacts of increasing global carbon dioxide on terrestrial vegetation. *Crop Research* 25:1-11.
18. **El-Shatnawi, M. K.**, Turk, M. A. and Saoub, H. M. 2003. Effects of sowing rate on growth and protein contents of wall barley grown under Mediterranean conditions. *African Journal of Range and Forage Science* 20:53-57.
19. **El-Shatnawi, M.K.J.** and Abdullah Y. A. 2003. Composition Changes of *Atriplex nummularia* L. under Mediterranean Arid Environment. *African Journal of Range and Forage Science* 20:253-257.
20. Ereifej, K. I., G. N. Al-Karaki, R. A. Shibli and **M. K. El-Shatnawi**. 1997. Variation in physico chemical characteristics of pea (*Pisum sativum*) grown under rainfed condition. *Indian Journal of Agricultural Sciences* 67: 504-506.

21. GHOSHEH H. Z. and EL-SHATNAWI M. K. 2006. Influence of volunteer durum wheat (*Triticum durum*) cultivars and density on lentils (*Lens culinaris*). *Acta Agronomica Hungarica*, 54(1), In Press.
22. Ghosheh, H. Z. and **El-Shatnawi, M. K.** 2003. Broad leaf weed control in chickpeas (*Cicer arietinum*), faba beans (*Vicia faba*) and lentils (*Lens culinaris*). *Acta Agronomica Hungarica*. 51:437-444.
23. Ghosheh, H. Z., **El-Shatnawi, M. K.** 2002. Chemical control of broadleaf weeds in Faba bean (*Vicia faba*). *Weed Science Society of America (WSSA) Abstracts* 42:36.
24. Ksikisi, T., **El-Shatnawi, M. K.** and Chouki, S. 2002. Rangelands in Jordan and Tunisia: Challenges of the past and suggested solutions for future sustainable management. *Rangelands* 24:19-22.
25. Ksikisi, Taoufik, Gary B. Donart, Rex D. Pieper & **Moh'd El-Shatnawi.** *Sporobolus flexuosus* and *Eragrostis lehmanniana* response to clipping in the Chihuahuan Desert. Vth International Rangeland Congress, Australia, 1999
26. Saoub, H. M, **El-Shatnawi M. J. K.**, I. M. Makhadmeh I. M., Haddad N. I. and Aukour F. J. 2005. Clipping of *Avena sterilis* under sub-humid mediterranean condition. *Crop Research* 29:77-86.
27. Saoub, H. M., **El-Shatnawi, M. K. J.**, Makhadmeh, I. M. and Haddad, N. I. 2005. Clipping of *Avena sterilis* under sub-humid mediterranean condition. *Crop Research* 29(1):77-86.
28. Shannag, H. K., Thorvilson H. and **El-Shatnawi M. K.** 1998. Changes in photosynthetic and transpiration rates of cotton leaves infested with the cotton aphid, *Aphis gossypii*: Unrestricted infestation. *Annals of Applied Biology* 132:13-18.
29. Turk, M. A. and **Shatnawi, M. K.** 2001. Effect of timing of nitrogen application at different developmental stages of the yield and yield components of barley. *Crop Research* 21:253-260.
30. Turk, M. A., **El-Shatnawi, M. K.** and Tawaha, A. M. 2003. Inhibitory effects of aqueous extracts of black mustard on germination and growth of alfalfa. *Weed Biology and Management* 3:37-40.
31. Turk, M. A., Tawaha, A. M. and **El-Shatnawi, M. K.** 2003. Response of Lentil (*Lens culinaris* Medik) to plant density, sowing date, phosphorus fertilization and ethephon

application in the absence of moisture stress. *Journal of Agronomy and Crop Science* 189:1-6.

32. Shatnawi Mohamad; Arwa. Al-Fauri; Husein, Megdadi, **Moh'd Khair El-Shatnawi**; Rida. Shibli; Saeed. Abu-Romman and Abdul lateif Al-Ghzawi . 2010. 3(3). In Vitro Multiplication of *Chrysanthemum morifolium* Ramat and it is Responses to NaCl Induced Salinity. *Jordan Journal of Biological Sciences* 111- 114
33. Tadros, M. J., **MK. J. El-Shatnawi** and R. M. Jaradat. 2011. Growth, persistence and quality of *Trigonella arabica* Del. and *Trigonella Caelesyriaca* Boiss. Grown in the semi-arid rangeland north of Jordan. *Journal of Food, Agriculture and Environment*, 9(1):389-393.

### **RESEARCH IN PROGRESS**

- Uses of water harvesting in rangeland improvement
- Biodiversity in the Jordanian rangelands
- Defoliation of grasses under semiarid conditions
- Increasing fodder shrubs through using water harvesting
- Volunteer wheat *T. durum* L. interference and control in lentil *L. culinaris* Med
- Evaluation of wild forage species
- Survey and revegetation of range plant in the Northern Badia
- Phenology, And Persistence Of the plants In The Northern Arid Rangelands Of Jordan

### **Workshop & Conferences**

1. Workshop on Range land Research & Development in Jordan, MoA, ICARDA, GTZ - 1996
2. First Agricultural conference, Jordan University of Science and Technology, Irbid-JORDAN -1998
3. Second Scientific Day of Faculty of Agriculture, Presentation and Discussion
4. Workshop on Starting the Project of Rangeland Improvement and Development, MoA, IFAD, GTZ –1998

5. 2002 Weed Science Society of America (WSSA) Meeting

**PUBLIC SERVICES:**

1. Referee for African Journal of Range and Forage Sciences
2. Referee for Hebron University Journal
3. Member of the High Technical Committee of the Jordanian Range Improvement Project/ Ministry of Agriculture
4. Member of the Committee of Aridland Improvement Project/ National Center for Agriculture Research and Technology Transfer (NCAART)
5. Member of the Committee of Drought Effects In Jordanian Agriculture
6. Member of the Committee of Al-Badia Scientific Research/ High Council of Science and Technology