College of Food and Agricultural Sciences

Plant Production Department

Dr Ali Alderfasi

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Curriculum Vitae(CV)

Personal Data
Name : Dr Ali Abdullah Alderfasi
Nationality : Saudi
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Languages : Arabic and English
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Academic Qualifications
1993 Ph. D. in Crop Science (Crop Physiology) from Colorado State University, USA. Title of Ph.D. Dissertation: "Use of Canopy Temperature, Architecture and Water Relations to Evaluate Productivity in Wheat".
1987 M.Sc. in Agronomy from King Saud University, College of Agriculture, Riyadh Saudi Arabia
Title of M.Sc. Thesis: "Effect of Different Shading Densities on the Growth and Yield of Sugar beet".
1978 B.Sc. in Agriculture Science from Riyadh University, College of Agriculture, Riyadh Saadi Arabia
Employment History
1) Associate Professor, Plant Production Department from 2003 till now.
2) Assistant Professor, Plant Production Department from 1994 to 2003.
3) Lecturer, Plant Production Department from 1987 to 1994.
4) Teaching Assistant, Plant Production Department from 1978 to 1987.
Community Services
Public Consultations through the Plant Production Department.
Principle Investigator for Research Projects funded by the Agricultural Research Center of The College of Food & Agricultural Science.
Evaluation of Research Papers for Different Local Journals.
Professional Mberships
A member of the American Society of Agronomy (ASA)
A member of Saudi Biological Society (SBS)
A member of Saudi Society of Agricultural Science (SSAS)
A member of Agricultural Water Managements Journal(AGWAT) as a Referee

Publications

Alderfasi, Ali Abdullah. 1986. Effect of Different Shading Densities on the Growth and Yield of Sugarbeet (Beta Valgaris L.). Thesis of Master Degree in Crop Production. King Saud University, Riyadh Saudi Arabia.

Ghandorah, M.O., M.M El-Rouby, F.A. Al-saad and ***A.A. Alderfasi***. 1988. Effect of shading densities on the agronomic and physiological characters of two sugarbeet cultivars. J.Agron. & Crop Sci. 161:114-122.

Ghandorah, M.O., F.A. Al-saad, M.M. El-Rouby, and ***A.A.Alderfasi***. 1988. Effects of shading densities on root chemical composition of sugarbeet. J.Agron. & Crop Sci. 161:217-220.

Alderfasi, Ali Abdullah. 1993. Use of Canopy Temperature, Architecture, and Water Relations to Evaluate Productivity in Winter Wheat. Thesis of Doctor of Philosophy in Agronomy. Colorado State University, FortCollins - CO, USA.

Alderfasi, A.A. and J.A. Morgan. 1997. Canopy temperature, architecture and water relations in wheat. Res. Bull. No. (69):5-43, Agric. Res.Center, King Saud University.

Alderfasi, A.A. and J.A. Morgan. 1998. Use of canopy temperature as an indicator for water use efficiency and yield productivity in wheat. Saudi J. Bio.Sci. 5(1):57- 71.

Al-Yahya, F.A., ***A.A. Alderfasi***, A.S. Al-Hazmi, A.A. Ibrahim and A.T. Abdul-Razig. 1998. Effect of cereal cyst nematode on growth and physiological aspects of wheat under field conditions. Pak.J.Nematol. 16(1):55-62

Ibrahim, A.A., A.S. AL-Hazmi, F.A. AL-Yahya and ***A.A. Alderfasi.*** 1999. Damage Potential and reproduction of *Heterodera avenae* on wheat and barley under Saudi field conditions. Nematology, 1(6):625-630.

Alderfasi, Ali A., M.O. Ghandorah and Kh.A. Moustafa. (1999). Evaluation of some wheat genotypes under drought stress in arid region of Saudi Arabia. Alex.J.Agric.Res. 44(3):209-217.

Alderfasi, Ali Abdullah. (2000). Response of four genotypes of wheat to irrigation schedules. Saudi J. Bio.Sci. 7(2):171-178.

Saadalla, M.M. and ***Ali A. Alderfasi***. (2000). Infrared-Thermal sensing as screening criterion for drought tolerance in wheat. Annals Agric.Sci., Ain Shams Univ., Cairo, 45(2):421-437.

Alderfasi, Ali A. and D. Nielsen. (2001). Use of crop water stress index for monitoring water status and scheduling irrigation in wheat. Agricultural Water Management, 47(1): 71-77.

Alderfasi, Ali Abdullah. (2001). Evaluation of certain traits associated with drought resistance in wheat under field conditions. Annals Agric.Sci., Ain Shams Univ., Cairo, 46(1):71-83.

Alderfasi, Ali Abdullah and Khalid M. (2001). Evaluation of different stress techniques for selection wheat drought tolerance at post-anthesis stage. J. Agric. Sci. Mansoura Univ., Egypt, 26(8):3663-3672.

Alderfasi, Ali A., M.S. AL-Sewailem, F. A. AL-Yahya, K.A.Kamel and Ali Aleter. (2002). Effect of irrigation with treated municipal waste water on wheat production under drought stress conditions. J. King Saud Univ., Agric.Sci., 14(1):57-73.

Alderfasi, Ali Abdullah and Yahya Ali Refay (2002) Evaluation of three techniques for characterizing wheat plant water status . JKAU. Met. Env. & Arid Land Agric. Sci., 13: 43-52.

Alghamdi, S.S., ***A.A. Alderfasi*** and Kh. A. Ali (2003). Performance of some soybean genotypes under different sowing dates in Saudi Arabia. J. Agric. Sci. Mansoura Univ., 28(8): 4951- 4959.

Abdel-Mawgood, Ahmed L. and **Ali A. Alderfasi** (2006). Estimates of genetic variance among S2 progenies derived from four yellow maize populations. Alex.J.Agric.Res. 51(2): 27-34.

Alderfasi, Ali Abdullah (2009). Integrated Use of Potassium Fertilizers and Water Schedules on Growth and Yield of Two Wheat Genotypes under Arid Environment of Saudi Arabia. II) *Effect on yield and yield component characters*. World J. Agric. Sci., 5(2): 221-227.

Alderfasi, Ali Abdullah (2009). Yield potential of two barely genotypes grown under water stress of arid ecosystem of Saudi Arabia. Am-Euras. J. Agric. & Environ. Sci., 5(3): 348-353.

Alderfasi, Ali Abdullah (2009). Agronomic and Economic Impacts of reuse secondary treated wastewater in irrigation under arid and semi-arid regions. World J. Agric. Sci., 5(3): 369-374.

Alderfasi, Ali Abdullah (2009). Influence of Water Stress Treatments on Growth, Seed Yield and Quality of Some Faba Bean Cultivars Grown under Arid Environment in Saudi Arabia. Bulletin of the National Research Center., 34(2): ----------

Alderfasi, Ali A., Salim S. Alghamdi and A. A. Al-Garawi (2009). Growth and Yield of Two Soybean Genotypes under Seed Inoculation and Limited Water Conditions in Saudi Arabia. Bulletin of the National Research Center., 34(2): ----------

Alderfasi , Ali Abdullah and ALjawharah A. AL-Owayed (2010). Magnitude of Yield Response of Wheat Genotypes to Different Irrigation Schedules under Saudi Arabia Ecosystem(In Press).

Alderfasi, Ali Abdullah and Alghamdi, Salim S. (2010). Integration of Water Supplies and Nutrient Responses on Growth, Photosynthesis Productivity, Chemical Status and Seed Yield of Faba Bean(In Press).

Academic work in my PhD Program at Colorado State University

Basic and Personal Computing	CS 110	1
Expository Writing-Sciences	CO 301B	2
Multiple Regression Analysis	ST 304	3
Principles of Biochemistry	BC 351	4
Plot Technique	AG 414	5
Crop Response to Environment	AG 415	6
Plant Physiology	B 440	7
Plant Physiology Laboratory	B 441	8
Physiology of Seeds	B 446	9
Soil Physics	AG 470	10
Environmental Agronomy	AG 500	11
Evapotranspiration	ER 520	12
Soil-Plant- Nutrient Relation	AG 540	13
Plant Growth Analysis & Modeling	H 542	14
Plant Environmental Measurement	H 560	15
Microcomputer Applications-Indus	IS 564	16
Environmental Biophysics	AG 580	17
Plant Metabolism	B 642	18
Plant Stress Physiology	H 675	19
Physiology-Crop yield development	AG 715	20
Seminar-Research Topic	AG 792A	21
Seminar-Research Presentations	AG 792B	22
Dissertation	AG 799V	23

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