

بسم الله الرحمن
الرحيم وبه نستعين



الرؤية و الرسالة



ريادة عالمية وتميز في بناء مجتمع المعرفة

تقديم تعليم مميز، وإنتاج بحوث إبداعية تخدم المجتمع وتسهم في بناء اقتصاد المعرفة، من خلال إيجاد بيئة محفزة للتعلم والإبداع الفكري، والتوظيف الأمثل للتقنية، والشراكة المحلية والعالمية الفاعلة.

الأهداف الإستراتيجية

1. الاجادة في جميع المجالات، والتميز في مجالات محددة
2. أعضاء هيئة تدريس مميزون
3. الكيف وليس الكم
4. تعزيز قدرات الخريجين
5. بناء جسور التواصل
6. بيئة تعليمية داعمة
7. مستقبل مستديم
8. المرونة والمساءلة
9. بناء تنظيم اداري داعم

يعتبر قسم الإنتاج النباتي أحد أقسام كلية علوم الأغذية والزراعة الرئيسة منذ إنشائها عام 1385 هـ. ويختص القسم بتدريس العلوم الزراعية في مجالات إنتاج وفسولوجيا وتربية نباتات المحاصيل الحقلية والبستانية وإدارة المراعي والغابات والمحافظة عليها وتنميتها. كما يقوم القسم بإجراء البحوث التطبيقية التي تهدف إلى رفع الكفاءة الإنتاجية والجودة علاوة على ملاءمتها للظروف البيئية للمملكة

Kingdom of Saudi Arabia

King Saud University

College of Food & Agric. Sci

Plant Production Department

Name: Ali Abdullah Saeed Alderfasi

Nationality: Saudi

Place of Birth: ALBAHA in ZAHRAN Tribe

Year of Birth: Still Young 1954

Social Status: Married

Phone: 966114678348

Mobile: 966558080148

Email: aderfasi@ksu.edu.sa & aderfasi@gmail.com

Prefer Sites

<http://fac.ksu.edu.sa/aderfasi>

<https://king-saud.academia.edu/AliAbdullahAlderfasi>

<http://scholar.google.com/scholar?hl=en&q=alderfasi>

<https://www.google.com/search?tbo=p&tbm=bks&q=alderfasi>

<http://www.quranflash.com/books/Medina1/?ar&aff>

www.sultan.org

Teaching Experience

I) Under Graduate Courses

- 1) PPS 203 Crop Ecology*
- 2) PPS 309 Crop Physiology*

II) Graduate Courses

- 1) PPS 500 Advanced Crop Physiology*
- 2) PPS 501 Environmental Stress Physiology*
- 3) PPS 502 Crop Water Relations*
- 4) PPS 620 Crop Ecophysiology*

5) PPS 621 Crop Seed Physiology
Research Interests

Environmental Stresses Physiology (drought, heat, salinity.....).

Academic and research background

(a) Academic Courses in my Ph.D. program

<u>Name of the Course</u>	<u>Course Code</u>	<u>NO.</u>
<u>Basic and Personal Computing</u>	<u>CS 110</u>	<u>1</u>
<u>Expository Writing-Sciences</u>	<u>CO 301B</u>	<u>2</u>
<u>Multiple Regression Analysis</u>	<u>ST 304</u>	<u>3</u>
<u>Principles of Biochemistry</u>	<u>BC 351</u>	<u>4</u>
<u>Plot Technique</u>	<u>AG 414</u>	<u>5</u>
<u>Crop Response to Environment</u>	<u>AG 415</u>	<u>6</u>
<u>Plant Physiology</u>	<u>B 440</u>	<u>7</u>
<u>Plant Physiology Laboratory</u>	<u>B 441</u>	<u>8</u>
<u>Physiology of Seeds</u>	<u>B 446</u>	<u>9</u>
<u>Soil Physics</u>	<u>AG 470</u>	<u>10</u>
<u>Environmental Agronomy</u>	<u>AG 500</u>	<u>11</u>
<u>Evapotranspiration</u>	<u>ER 520</u>	<u>12</u>
<u>Soil-Plant- Nutrient Relation</u>	<u>AG 540</u>	<u>13</u>
<u>Plant Growth Analysis & Modeling</u>	<u>H 542</u>	<u>14</u>
<u>Plant Environmental Measurement</u>	<u>H 560</u>	<u>15</u>
<u>Microcomputer Applications-Indus</u>	<u>IS 564</u>	<u>16</u>
<u>Environmental Biophysics</u>	<u>AG 580</u>	<u>17</u>
<u>Plant Metabolism</u>	<u>B 642</u>	<u>18</u>
<u>Plant Stress Physiology</u>	<u>H 675</u>	<u>19</u>
<u>Physiology-Crop yield development</u>	<u>AG 715</u>	<u>20</u>
<u>Seminar-Research Topic</u>	<u>AG 792A</u>	<u>21</u>
<u>Seminar-Research Presentations</u>	<u>AG 792B</u>	<u>22</u>
<u>Dissertation</u>	<u>AG 799V</u>	<u>23</u>

(b) PUBLICATION

Ali A. Alderfasi, Areej A. Alzarqaa, Fahad A. AL-Yahya, Shahira S. Roushdy, Ahmed A. Dawabah and Bushra A. Alhammad (2017). Effect of combined biotic and abiotic stress on some physiological aspects and antioxidant enzymatic activity in mungbean (*Vigna radiata* L.). African Journal of Agricultural Research, 12(9): 700-705. [Linked](#)

Alderfasi, A. A., N. A. Al-Suhaibani, M.M. Selim and B. A. Al-Hammad (2016). Using Magnetic Technologies in Management of Water Irrigation Programs in the Arid and Semi-Arid Ecosystem. Advances in Plants & Agriculture Research, Adv Plants Agric Res, 3(4): 00102. [Linked](#)

Alderfasi, Ali Abdullah (2016). Irrigation of Agricultural Crops between Importance and Rationalization (Wheat as a study model). Scientific publications of the Saudi Society of Agricultural Sciences series, 33(1-40)17th Year, The Plant Production Department, College of Food & Agriculture Sci., King Saud University. . [Linked](#)

Ali A. Alderfasi, Mostafa M. Selim and Bushra A. Alhammad (2016). Evaluation of Plant Densities and Various Irrigation Regimes of Sorghum (*Sorghum bicolor* L.) under Low Water Supply. Journal of Water Resource and Protection, 8(1): 1-11 [Linked](#)

Alderfasi, A. A., A. M. Aljuaid, A. E. Moftah and M. M. Selim (2015). Role of Nitrification Inhibitor Combined with Different Nitrogen Sources in Decreasing Injurious Components in Spinach. Advances in Plants & Agriculture Research, 2(6): 00072. [Linked](#)

Ali Abdullah Alderfasi, Awais Ahmad and **Mostafa**. Mohamed Selim (2015). Valuation of drought stress and its impact on physiological characteristics of mung bean (*Vigna radiata* L.) Under arid climate. 3rd International Conference on Genetic, Agriculture, Ecological and Biological Science (IMGAEBS'15). Singapore. [Linked](#)

A. Ahmad, M. Muhammad Selim, **A. A. Alderfasi** and M. Afzal (2015). Effect of Drought Stress on Mungbean (*Vigna radiata* L.) under Arid Climatic Conditions of Saudi Arabia. In: Ecosystem and Sustainable Development X. WIT Transactions on Ecology and the Environment. Vol 192(185-193). Great Britain, Wit Press, UK. [Linked](#)

Ali Abdullah Alderfasi, Mostafa. Mohamed Selim, Awais Ahmad, Bushra Ahmed Alhammad and Areej Abdullah Alzarqaa (2014). Screening of Mungbean (*Vigna radiata*) Genotypes for Drought Tolerance in Arid Climate of Saudi Arabia. In: Grand Challenge – Greet Solutions, ASA, CSSA & SSSA International Annual Meeting, and Long Beach, CA- USA. [Linked](#)

A. A. Alzarqaa, S. S. Roushdy, A. A. Alderfasi, F. A. Al-Yahya, A. A. M. Dawabab (2014). The Physiological Response of Mungbean (*Vigna Radiata*) to Water Deficit Stress and Meloidogyne Javanica Infection. WIT Transactions on Ecology and the Environment, 185(89-100). [Linked](#)

Areej A. Alzarqaa, Shahira S. Roushdy, **Ali A. Alderfasi**, Fahad A. AL-Yahya and Ahmed A. Dawaba (2014). Impact of Water Deficit and Nematode infection Stress on Growth and Physiological Responses of Mungbean (*Vigna radiata* L.). International Journal of Agricultural and Biosystems Engineering Vol: 1No: 5. [Linked](#)

Areej A. Alzarqaa, **Ali A. Alderfasi**, Fahad A. AL-Yahya, Shahira S. Roushdy and Ahmed A. Dawabab (2014). Alterations in some physiological aspects and antioxidant enzymatic activities of mungbean subjected to water deficit and meloidogyne javanica infection. In: Salt & Water Stress in Plants. Gordon Research Conference. Newry, USA. [Linked](#)

Muhammad Afzal, Awais Ahmad, **Ali Abdullah Alderfasi**, Adel Ghoneim and Mohammad Saqib (2014). Physiological tolerance and cation accumulation of different genotypes of *Capsicum annum* under varying salinity stress. Proceedings of the International Academy of Ecology and Environmental Sciences, 2014, 4(1): 39-49. [Linked](#)

Selim, M. M, N. A. Al-Suhaibani and **A.A. Alderfasi**. (2013). Grain yield Evaluation of Triticale (X Triticosecale Wittmack) genotypes under Saudi Arabia Conditions. 28 th Meeting of Saudi Biological Society, Eco-tourism and sustainable, Hail City at Hail University, 28-30 Jamadi ALAkhera, 1434 (Hail), 9-11 April, 2013. [Linked](#)

A.A. Alderfasi, N. A. Al-Suhaibani and Selim, M.M. (2013). Influence of Magnetic Treatment of Irrigation Water on Growth, Yield and Yield Component Characters for Some Cereal Crops. 28 th Meeting of Saudi Biological Society, Eco-tourism and sustainable, Hail City at Hail University, 28-30 Jamadi AL-Akhera, 1434 (H), 9-11 April, 2013. [Linked](#)

Alderfasi, A. A., M. M. Selim., N.A. Al-Suhaibani and Y. A. Refay. (2013). Evaluation of Variety, Cropping Pattern and Plant Density on Growth and Yield Production of Grain Sorghum -Cowpea under Limited Water Supply Condition. 2. Growth, yield and yield component characters of Cowpea. . Journal of Recent Trend in Biosciences Volume 4, Issue 2. [Linked](#)

A.A. Alderfasi, N. A. Al-Suhaibani and Selim, M.M. (2013). Magnetic Treatment of Irrigation Water and Its Effect on Seed Emergence. International conference on Sustainable Water Use for Securing Food Production in the Mediterranean Region under Changing Climate, Agadir, Morocco, 10–15 March, 2013. [Linked](#)

Refay, Y. A., **A.A. Alderfasi**, M.M. Selim and K. Awad. (2013). Evaluation of Variety, Cropping Pattern and Plant Density on Growth and Yield Production of Grain Sorghum Cowpea under Limited Water Supply Condition. 1. Growth, yield and yield component characters of sorghum. IOSR-JAVS. 2(3): 24-29. [Linked](#)

A. A. Alderfasi, Selim M.M. and N. A. Al-Suhaibani (2012). Using Magnetic Technologies in Management Water Irrigation Programs in the Arid and Semi-Arid Ecosystem of Saudi Arabia. Gordon Research Conference (Salt & water stress in plants). The Chinese University of Hong Kong. Hong Kong, China. June 24-29, 2012. [Linked](#)

Ali A. Alderfasi, A. E. Moftah and A. M. Aljuaid (2010). *Prospective study in influences of using bio-organic farming system on growth, nitrate, oxalate and ascorbic acid contents in Spinach.* World Applied Sciences Journal. 9(1): 49-54. [Linked](#)

Alderfasi, A. A. and Y. A. Refay (2010). Integrated use of potassium fertilizer and water schedules on growth and yield of two wheat genotypes under arid environment in Saudi Arabia. II) *Effect on growth characters.* Am-Euras. J. Agric. & Environ. Sci., 9(3): 239-247. [Linked](#)

Ali A. Alderfasi, and A. A. AL-Owayed (2010). Magnitude yield response and economic value of selected wheat genotypes related to irrigation schedules under arid ecosystem of Saudi Arabia. In: Sustainable Irrigation Management, Technologies and Policies III. Great Britain, (2010). Vol.134 pp. 51-62. Wit Press, UK. [Linked](#)

Alderfasi, A. A. and S. S. Alghamdi (2010). Integrated water supply with nutrient requirements on growth, photosynthesis productivity, chemical status and seed yield of faba bean. American Eurasian Journal of Agronomy, 3(1): 08-17. [Linked](#)

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. [Linked](#)

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. [Linked](#)

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. *Bull. NRC*. Vol. 34, No. 2, p.157-174.

Alderfasi, Ali A., S. S. Alghamdi and A. A. Al-Qarawi (2009). Growth and yield of two soybean genotypes under seed inoculation and limited water conditions in Saudi Arabia. *Bull. NRC*. Vol. 34, No.2, p. 143-156.

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. [Linked](#)

Abdel-Mawgood, Ahmed L. and Ali A. **Alderfasi** (2006). Estimates of genetic variance among S_2 progenies derived from four yellow maize populations. *Alex.J.Agric.Res.* 51(2): 27-34. [Linked](#)

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. [Linked](#)

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. [Linked](#)

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. [Linked](#)

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. [Linked](#)

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. [Linked](#), [Linked](#)

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. [Linked](#)

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

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. [Linked](#)

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. [Linked](#)

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. [Linked](#)

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. [Linked](#)

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. [Linked](#)

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. [Linked](#)

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. [Linked](#)

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. [Linked](#), [Linked](#)

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. [Linked](#), [Linked](#)

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

Citation of my research papers

<https://www.google.com/search?tbo=p&tbm=bks&q=alderfasi>

http://scholar.google.com/scholar?start=130&q=alderfasi&hl=en&as_sdt=0,5

(Employment and Administrative History)

1. Professor, Plant Production Department, College of Agriculture, King Saud University, since 10/11/1431 H, 18/10/2010 until now.
2. Associate professor, Plant Production Department, College of Agriculture, King Saud University, since 1/4/1423 H 12/6/ 2002 G until 9/11/1431H, 17/10/2010.
3. Assistant Professor, Plant Production Department, College of Agriculture, King Saud University, since 9/5/1414 H 25/10/ 1993 G until 30/3/1423 H, 11/6/2002.
4. Lecturer, Plant Production Department, College of Agriculture, King Saud University, since 20/9/1407 H, 19/5/1987 G- till- 8/5/1414 H 24/10 /1993 G.
5. Teaching Assistant, Plant Production Department, College of Agriculture, King Saud University, since 27/8/1398 H, 02/8/1978 G- till- 19/9/1407 H 18/5 /1987 G.

A) Conferences:

1- The 32nd Meeting of Saudi Biological Society: "Human and Environmental Development in Vision 2030" 21-23 Rajab, 1438 H (18-20 April, 2017). Hosted for the second time by Umm al-Qura University, Makkah Al-Mukarramah. I presented paper with the title "Carbon Isotope Discrimination as a Selection Criterion for Improved Water Use Efficiency in Agricultural Crops".

2- 2nd Agriculture and Climate Change Conference, 26-28 March, 2017 in Sitges, Spain. I presented paper with the title "Acclimatization of Mung bean (*Vigna radiata* L.) to Arid Ecosystem of Saudi Arabia".

3- Gorden Research Conferences (Salt & Water Stress in Plants), May 29 – June 3, 2016 in Les Diablerets Conference Center, Les Diablerets, Switzerland. I presented paper with the title " **Impact of regular water deficit stress on various physiological attributes of Mung bean (*Vigna radiata* L.) under a new arid climate**".

4- 3rd International Conference on Genetics, Agriculture, Ecological and Biological Sciences (IMGAEBS'15). Valuation of drought stress and its impact on physiological characteristics of mung bean (*Vigna radiata* L.). Singapore 2015.

5- ASA, CSSA and SSSA International Annual Meeting, Nov. 2-1, 2014. Long Beach, CA- USA. I presented paper with the title "Screening of Mungbean (*Vigna radiata*) Genotypes for Drought Tolerance in Arid Climate of Saudi Arabia".

6- Gorden Research Conferences (Salt & Water Stress in Plants), Aug. 3-8, 2014 in Sunday River Resort, Newry, ME- USA. I presented paper with the title "Alterations in some physiological aspects and antioxidant enzymatic activity of mungbean subjected to water deficit and *meloidogyne javanica* infection."

7- Third International Conference on Sustainable Irrigation Management, Technologies and Policies (Sustainable Irrigation 2010). It was held in Intercontinental Hotel, Bucharest, Romania from 7 to 9 June 2010. I presented paper with the title " **Magnitude yield response and economic value of selected wheat genotypes**".

8- International Conference on Plant Abiotic Stress Tolerance which was held in February 2009. Vienna, Austria (Attendance).

9- Second International conference on water resources and arid environments, King Saud Arabia (26-29/11/2006). (Attendance).

B- Symposia:

- The 1st Symposium for Saudi Society of Agricultural Sciences on Sustainable agriculture (5-7, February, 2002). Held at King Saud University, Riyadh, Saudi Arabia.

*The 9th Seminar of Turf Grass and Landscaping on Playgrounds and Stadiums. Arab Urban Development Institute in cooperation with Plant Production Department, 20/8/1424 H, 21/10/2003 G.

*The 22nd meeting for Saudi society for biological sciences in Al-Qaseem "Water wealth in the kingdom, future prospects". 24/10/2003

* The 12th Scientific meeting for Saudi Society for agriculture Sciences, Riyadh, (water use and irrigation efficiency in Agriculture), (28/9/2005).

C) Membership of Scientific Associations:

The Biological Society of Saudi Arabia
Saudi Society of Agricultural Sciences
Crop Science Society of America.
American Society of Agronomy

D) Committees:

- 1- Member of the Committee of Graduate study at plant production department.
College of Food & Agricultural Sci.
- 2- Member of the committee of Website' Department on internet.
- 3- Member of the committee of preparing Physiological Lab. College of Agriculture King Saud University.
- 4- Chairperson on Laboratories and growth rooms for the department. 2001-2003. College of Agriculture, King Saud University.
- 5- Member of the of Academic Giddiness Committee of the College of Agriculture, King Saud University,
- 6 - Member of the Laboratories Committee of Plant Production Department, College of Agriculture, King Saud University, 1999.
- 7- Head of the Cultural Committee at the Plant Production Department
- 8- The Supervisor of the Physiological Lab

Councils:

* Member of Plant Production Department, College of Agriculture, King Saud University, since 9/5/1414 H 25/10/ 1993 G until now

* Member of the Agricultural Research Center Council, during the academic years 1997 to 1999.

E) University and community service:

- 1 Revising research project for King Abdulaziz City for Science and Technology.
- 2 Reviewer for scientific papers from many scientific Journals such as *Saudi J.*
- 3 Reviewer for International journal of *Agricultural Water Management*
- 4 An Academic Advisor for some students in our department.
- 5 Participating in teaching of graduate courses such as plant water relations and Plant Physiology at Noura Bint Abdelrahman University for Girls.
- 6 Participating in giving some scientific lectures for our society In Saudi Arabia such as *Globing Worming* and how can we deal with it.

Funded Projects:

- 1) Principle investigator for research project funded by The Agricultural Research Center of the Food and Agricultural Sciences. The title of project was "*Evaluation of selection traits for drought resistance in wheat*". (completed)
- 2) CO - Investigator of research project funded by SABIC Industrial titled "*The effect of phosphor fertilization on growth and production of soybean crop under deferent irrigation levels*". (Completed).
- 3) Principle investigator of research project funded by SABIC Industrial titled "*Biological nitrogen fixation of selected soybean varieties under water stress*". (Completed).
- 4) Principle investigator of research project funded by SABIC Industrial titled "*Introducing new crops characterizes with low water requirements and drought tolerance*". (Under processing).
- 5) Co- investigator of research project funded by SABIC Industrial titled "*Application of magnetic technologies in correcting under- ground brackish water for irrigation in the arid and semi-arid ecosystem*". (Completed).

- 6) Co- investigator of research project funded by KSU for National plans Project titled " *Using agro forest technique to overcome the constrains of calcareous soils.* (Under processing).
- 7) Co-investigator for research project funded by National Plan for Science & Technology and Innovation. Titled “*Effects of composted municipal and agricultural waste products on grain production and soils changes in Saudi Arabia. Project number: 12-AGR3110-02.*” (Under processing).
- 8) Co-investigator for research project funded by National Plan for Science & Technology and Innovation. Titled” *Using treated wastewater in irrigation energy crops production under arid and semi-arid conditions. Project number: 12-WAT3141-02*”. (Under processing).

وصلى الله وسلم على نبينا محمد وعلى آله وصحبه أجمعين الى يوم الدين

Blessings and peace upon our Prophet Muhammad and his family and companions to the Day of Judgment