

**RESEARCH  
PUBLICATIONS  
PUBLISHED  
2005-06**

## RESEARCH PUBLICATIONS PUBLISHED 2005-06

### FACULTY OF AGRICULTURE

#### Dept. of Agri. Entomology

#### 2005

- Ashfaq, M, Muhammad Ishfaq, Waseem Akram, and Jong-Jin Lee. 2005. Collection efficiencies of spray volumes by desert locust, *Schistocerca gregaria* (Orthoptera: Acrididae). Journal of Applied Entomology. Blackwell Synergy.
- Khaliq, A., M. Ashfaq, Waseem Akram, J. K. Choi and J. J. Lee. 2005. Effect of plant factors, sugar contents, and control methods on the top borer (*Scirpophaga nivella* F.) infestation in selected varieties of sugarcane. Entomological Research, 35(3): 153-160. Entomological Society of Korea.
- Khan, M.A., M. Ashfaq, Waseem Akram and Jong-Jin Lee. 2005. Management of fruit flies (Diptera: Tephritidae) of the most perishable fruits. Entomological Research, 35(2): 79-84. Entomological Society of Korea.

#### 2006

- Bashir, M. H. And M. Afzal, 2006. A new species of the genus *Cunaxa* (Acarina: Cunaxidae) from Pakistan. Systematic and Applied Acarology, 11(1), 63-68.

#### Local

- Ahmed, S., A. Naseer and S. Fiaz, 2005. Comparative efficacy of botanicals and insecticides on termites in sugarcane at Faisalabad. Pak. Entomol. Vol. 27(1):23-26.
- Ahmed, S., R.R. Khan and T. Mahmood, 2005. Effect of cultural practices on subterranean termites in wheat at Faisalabad, Pakistan. Pak. Entomol. Vol. 27(1):27-32.
- Ahmed, S., S. Fiaz, M.A. Riaz and A. Hussain, 2005. Comparative efficacy of *Datura alba nees*, *Calotropis procera* and imidacloprid on termites in sugarcane at Faisalabad. Pak. Entomol. Vol. 27(2): - .
- Al-Tememi, N. K. and M. Ashfaq, 2005. Effect of Low Temperature Storage on the Fecundity and Parasitizing Efficacy of *Bracon hebetor* (Say). J. Agric. Res., 43(2): 155-160.
- Anwar, M., M. Ashfaq, M. Hasan and F.M. Anjum, 2005. Efficacy of *Azadirachta indica* L. oil on bagging material against some insect pests of wheat stored in warehouses at Faisalabad. Pak. Entomol. Vol. 27(1):89-94.
- Ashfaq, M., J. Iqbal and A. Ali, 2005. Integration of chemical control and host plant resistance against aphids on wheat. Pak. Entomol. Vol. 27(2):
- Ashfaq, M., N. K. Al-Tememi, and S. Ahmed, 2005. Effect of Artificial Diets on Some Parameters of Greater Wax Moth, *Galleria mellonella* L. under Optimum Conditions. J. Agric. Res., 43(3): 223-228.
- Ashfaq, M., R.A. Khan, M.A. Khan, F. Rasheed and S. Hafeez, 2005. Complete control of Mango Mealy Bug using funnel type slippery trap. Pak. Entomol. Vol. 27(1):45-48.
- Ashfaq, M., R.A. Khan, M.A. Khan, F. Rasheed and S. Hafeez, 2005. Insect orientation to various color lights in the Agricultural biomes of Faisalabad. Pak. Entomol. Vol. 27(1):49-52.
- Babar, M. H., M. Afzal, M. H. Bashir and M. A. Ali, 2005. Chemical control of mushroom mite (Tarsonimidae) at different time intervals and concentrations of Dicofol, Abamectin and Hexythiazox. Pak. J. Agri. Sci. 42 (3-4): 42-44
- Babar, M. H., M. Afzal, M. H. Bashir and M. A. Ali, 2005. Relative efficacy of different acaricides (Dicofol, Abamectin and Hexythiazox) against mushroom mites (Pygmephoroidae). Pak. J. Agri. Sci. 42 (3-4): 45-47
- Bashir, M. H. and M. Afzal, 2005. New cunaxid mite of the genus *Armascirus* from Punjab- Pakistan. Pak. J. Agri. Sci. 42 (3-4) : 117-121.
- Bashir, M. H., M. Afzal and S. Akbar, 2005. A new cunaxid mite of genus *Pulaeus* (Cunaxidae) from Punjab-Pakistan. Biologia, 51 (2) : 163-168.
- Bashir, M.H., M. Afzal and S. Ali, 2005. Description of a new Cunaxid mite *Cunaxa reticulatus* (Acari) from Pakistan. Pak. Entomol. Vol. 27(2):

- Hassan, M., F. Ahmad, M. Sagheer, M.F. Iqbal and M. Tariq, 2005. Residual persistence of Chlorpyrifos, Imidacloprid and Acephate in Brinjal fruit. Pak. Entomol. Vol. 27(1):53-56.
- Ishfaq M., M. Ashfaq and A.H. Sayyed, 2005. Effect of Power on Droplet Size by Hand Held Spinning Disc Sprayer. Pak. J. Biol. Sci., 8(4): 567-570.
- Kamran, M., B.S. Khan and Z.Nazir. 2005. A new species of genus *Hemicheyletia* (Cheyletidae:Acarina) from Punjab, Pakistan. Pak.J.Agric.Sciences.
- Khan R.R, M. Ashfaq and S.A. Rana, 2005. Some Studies on the toxicity of conventional and new chemistry insecticides against *Bracon hebetor* (Say) (Hymenoptera : Braconidae) under laboratory conditions. Pak. Entomol. 27 (1). P 19-21.
- Khan, A.S., M. Ashfaq, 2005. New species of Genus *Amblyseius* from Pakistan. Pak. Entomol. Vol. 27(2).
- Khan, A.S., M. Ashfaq, 2005. Two new species of Genus *Amblyseius* from Pakistan. Pak. Entomol. Vol. 27(2).
- Khan, B. S., M. Afzal and M. Kamran, 2005. A new species of the genus *Agistemus* (Stigmaeidae : Acarina) from Punjab- Pakistan. Pak. J. Agri. Sci. 42 (3-4) : 55-57.
- Khan, B.S. and M. Afzal, 2005. Comparison of Life Cycle of Stigmaeid Mite, *Agistemus Buntex* on three host Tetranychid Species. Pak. Entomol. Vol. 27(1):9-11.
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- Raza, A. B. M., M. Afzal and M. H. Bashir, 2005. Biology of *Euseius septicus* ( Acari: Phytoseiidae) preying on two spotted spider mites *Tetranychus urticae* (Acari: Tetranychidae) at different temperatures. Pak. Entomol. 27(1): 85-88.
- Razaq, M., A. Suhail, M. Aslam, M.J. Arif, M.A. Saleem and M.H.A. Khan, 2005. Evaluation of new chemistry and conventional insecticides against *Helicoverpa armigera* (Hubner) on cotton at Multan (Pakistan). Pak. Entomol. Vol. 27(1):71-74.
- Razaq, M., A. Suhail, M. Aslam, M.J. Arif, M.A. Saleem and M.H.A. Khan, 2005. Evaluation of neonicotinoids and conventional insecticides against cotton jassid, *Amrasca devastans* (Dist.) and cotton whitefly, *Bemisia tabaci* (Genn.) on cotton. Pak. Entomol. Vol. 27(1):75-78.
- Sial, J.K., R.A. Khan, M. Ashfaq and F. Rasheed, 2005. Development And testing of light-based mechanical insect trap. Pak. Entomol. Vol. 27(2):
- Siddiqui, M.J.I., S.A. Rana, N. Rana and A. Sohail, 2005. Biodiversity of insects in high and low input wheat (*Triticum aestivum*) fields agroecosystems of Punjab. Pak. Entomol. Vol. 27(2):
- Sohail Ahmed, Asif Naseer And Shakil Fiaz, 2005 Comparative Efficacy Of Botanicals And Insecticides On Termites In Sugarcane at Faisalabad Pakistan Entomologist, 27 (1): 23-25.
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- Syed A.N., M. Ashfaq, K. Zia, and R.R. Khan, 2005. Small-scale production of common green lacewing *Chrysoperla carnea* Int., J. Biol. Biotech., 2(4): 959-961.
- Syed, A.N., M. Ashfaq and S. Khan, 2005. Comparison of development and predation of *Chrysoperla carnea* (Neuroptera: Chrysopidae) on different densities of two hosts (*Bemisia tabaci*, and *Amrasca devastans*). Pak. Entomol. Vol. 27(1):41-44.
- Tayyib, M., A. Sohail, Shazia, A. Murtaza and F.F. Jamil, 2005. Efficacy of some new-chemistry insecticides for controlling the sucking insect pests and mites on cotton . Pak. Entomol. Vol. 27(1):63-66.
- Wakil, W., M. Ashfaq and S. Ahmed, 2005. Larval population and pod infestation by *Helicoverpa armigera* (Hüb.) on chickpea (*Cicer arietinum* L.) in Rawalpindi, Pakistan. Pak. Entomol. Vol. 27(1):33-36.
- Wakil, W., M. Ashfaq, M. Hasan and A. Javed, 2005. Evaluation of different chickpea (*Cicer arietinum* L.) genotypes against *Helicoverpa armigera* (Hüb.) in Rawalpindi, Pakistan. Pak. Entomol. Vol. 27(1):37-40.

## Dept. of Crop Physiology

### 2005

- Afzal, I., S.M.A. Basra, Nazir Ahmad and M. Farooq. 2005. Optimization of hormonal priming techniques for alleviation of salinity stress in wheat (*Triticum aestivum* L.). *Caderno de Pesquisa Serie Biologia*. 17: 95-108.

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- Basra, S.M.A., I. Afzal, R.A. Rashid and M. Farooq. 2005. Pre-sowing seed treatments to improve germination and seedling growth in wheat (*Triticum aestivum* L.). *Caderno de Pesquisa Serie Biologia*.17: 153-160.
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- Basra, S.M.A., M. Farooq and R. Tabassum. 2005. Physiological and biochemical aspects of seed vigor enhancement treatments in fine rice (*Oryza sativa* L.). *Seed Science and Technol.* 33(3), 623-628.
- Farooq, M., S.M.A. Basra, and N. Ahmed. Rice Seed Priming. 2005. *Int. Rice Res. Notes.* 30(2):45-48.
- Farooq, M., S.M.A. Basra, K. Hafeez and N. Ahmad. 2005. Thermal hardening: a new seed vigor enhancement tool in rice. *J. Integrative Plant Biol.* 47 (2): 187-193.
- Farooq, M., S.M.A. Basra, N. Ahmad and E. A. Warriach. 2005. Seed germination, seedling vigor and electrical conductivity of seed leachates in coarse and fine rice as affected by dry heat and chilling treatments. *Euro-Asian J. Appl. Sci.* 1(3): 18-35.
- Waraiach, E. A., R. Ahmad, M. Ashraf and SaifUllah. 2005. Irrigation and Nitrogen effect on grain yield, yield components and water use efficiency of wheat (*Triticum aestivum* L.). *Pakistan J. Sci.* (Accepted).

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- Basra, S.M.A., M. Farooq, A. Wahid and M. Bismillah Khan. 2006. Rice Seed Invigoration by Hormonal and Vitamin Priming. *Seed Sci. and Tech.* 34(3): 775-780.
- Basra, S.M.A., M. Farooq, R. Tabassum and N. Ahmed. 2006. Evaluation of seed vigor enhancement techniques on physiological and biochemical basis in coarse rice *Seed Sci. and Tech.* 34(3): 741-750.
- Farooq, M. and S.M.A. Basra and K.Hafeez. 2006. Seed invigoration by osmohardening in fine and coarse rice. *Seed Sci. Tech.* 34(1): 181-187.
- Farooq, M. and S.M.A. Basra, M.A. Cheema and I. Afzal. 2006. Integration of pre-sowing soaking, chilling and heating treatments for vigor enhancement in rice (*Oryza sativa* L.). *Seed Sci. and Tech.* 34(2): 499-506.
- Waraiach, E. A., R. Ahmad, M. Ashraf and Saif Ullah. 2006. Nitrogen Nutrition and water stress effects on growth, yield and water use efficiency of wheat (*Triticum aestivum* L.). *European J. Agron.* (Accepted).
- Farooq, M., S.M.A. Basra, M. Khalid R. Tabassum and T. Mehmood. 2006. Nutrient Homeostasis, Reserves Metabolism and Seedling Vigor as affected by Seed Priming in Coarse Rice. *Canadian J. Botany.* 84(8): 1196-1202.
- Farooq, M., S.M.A. Basra, R. Tabassum and I. Afzal. 2006. Enhancing the performance of direct seeded fine rice by seed priming. *Plant Production Science.* 9(4): 446-456.

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- Afzal, A., M. Ashraf, S.A. Asad and M.Farooq. 2005. Effect of phosphate solubilizing microorganisms on the phosphorus uptake, yield and yield traits of wheat (*Triticum aestivum* L.) in rainfed areas. *Int. J. Agric. Biol.*, 7(2): 207-209.
- Basra, S.M.A., M. Farooq and M. Hussain. 2005. Influence of Osmopriming on the germination and early seedling growth of coarse and fine rice. *Pak J. Seed Technol.*, 6(1): 33-42.
- Farooq, M., S. M.A. Basra, B. A. Saleem, M. Nafees and S. A. Chishti. 2005. Enhancement of tomato seed germination and seedling vigor by osmopriming. *Pakistan J. Agric. Sci.* 42(3-4): 36-41.
- Farooq, M., S.M.A. Basra, K. Hafeez and N. Ahmad. 2005. Use of commercial fertilizers as osmotica for rice priming. *J. Agri. Soc. Sci.* 1(2): 172-175.
- Saleem, B.A, K.Ziaf, M. Farooq and W.Ahmad. 2005. Fruit set and drop patterns as affected by type and time of fertilizer application in mandarin cultivars (*Citrus reticulata* Blanco.). *Int. J. Agric. Biol.*, 7(6): 962-965.

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- Afzal, I., S.M.A., Basra, M. Farooq, and A. Nawaz. 2006. Alleviation of salinity stress in spring wheat by hormonal priming with ABA, salicylic acid and ascorbic acid. *Int. J. Agric. Biol.*, 8(1): 23-28.

- Cheema, M.A., M. Farooq, R. Ahmad and H. Munir. 2006. Climatic trends in Faisalabad (Pakistan over the last 60 years (1945-2004). *J. Agric. Soc. Sci.* 2 (1); 42-45.
- Hussain, M., M. Farooq, S.M.A. Basra and N. Ahmad. 2006. Influence of seed priming techniques on the seedling establishment, yield and quality of hybrid sunflower. *Int. J. Agric. Biol.*, 8(1): 14-18.
- Farooq, M., S. M.A. Basra, H. Rehman and T. Mehmood. 2006. Germination and Early Seedling Growth as affected by Pre-Sowing Ethanol seed Treatments in Fine Rice. *Int. J. Agric. Biol.*, 8(1): 19-22.

#### **Papers presented or published at international conferences**

- Afzal, I., S. Rauf, S.M.A. Basra and G. Murtaza. 2005. Optimization of halopriming treatments for vigor enhancement in wheat under normal and saline conditions. 6th International Conference on "Eco-physiological aspects of plant responses to stress factors" which was held at Poland from 14-17th September, 2005.
- Afzal, I., S.M.A. Basra and M. Farooq. 2005. Seed enhancements to induce salt tolerance in wheat (*Triticum aestivum* L.). 8th International Workshop on seeds under the title "Seed Germination and Dormancy" which was held at Brisbane, Australia from the period 8-13th of May, 2005.
- Afzal, I., S.M.A. Basra and M. Farooq. 2005. Seed invigoration techniques for alleviation of salinity stress in wheat (*Triticum aestivum* L.) during germination. 8th International Workshop on seeds under the title "Seed Germination and Dormancy" which was held at Brisbane, Australia from the period 8-13th of May, 2005.
- Afzal, I., S.M.A. Basra, A. Hameed and M. Farooq. 2005. Pre-sowing seed treatments for inducing salt tolerance in wheat. 6th International Conference on "Eco-physiological aspects of plant responses to stress factors" which was held at Poland from 14-17th September, 2005.

#### **Papers presented/published at national conferences**

##### **2006**

- Basra, S.M.A., S. Anwar and I. Afzal. 2006. Alleviation of salinity effect by seed invigoration strategies in wheat. International symposium on application of plant sciences in emerging scenario. G.C. University, Faisalabad. March, 20-22, 2006.

#### **Department of Plant Pathology**

##### **Foreign**

- Abbas, M., M.Khan, S.M.Mughal and I.A. Khan, 2005. prospects of classical cross protection technique against citrus tristeza closterovirus in Pakistan. *Jour. Hort. Sci.* 2 : 74-83. (Prague Cych.)

##### **National 2005**

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- Iqbal M.A, T.Mukhtar and R.Ahmad.2005 Potentiality of some plants to control citrus nematode, *Tylenchulus semipenetrans*. 17 (1): 133-140.
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- Shad. N, S.M. Mughal and M. Bashir. 2005. Transmission of mungbean yellow mosaic begomovirus. Pak. Jour. Phytopath. 17 :141-143.

## 2006

- Habib, A., Sahi, S.T., Ghazanfer M.U. and Ali, S. 2006. Location of Seed-borne Mycoflora of Eggplant (*Solanum melongena* L.) in different Seed Components and its Impact on Seed Germability. Int. J. Agri. & Biology 9 (1). 14505
- Habib, A., Sahi, S.T., Ghazanfer M.U. and Ali. S. 2006. Evaluation of some fungicides against seed born mycoflora of eggplant and their comparative efficacy regarding seed germination. Int. J. Agri. & Biology 9 (1). 14605
- Iqbal M.A, T.Mukhtar, R.Ahmad and H.U.Khan. 2006. Ecological prevalence of Tylenchelus semipenetrans in the four districts of the Punjab Province, Pakistan. Pak.Jour. Nematol. 24 (1):19-26.
- Javed, N., S. R. Gowen, H. U. Khan, S. A. Anwar, and M. Ashfaq. 2006. Response of free eggs and infective juveniles of root-knot nematode *Meloidogyne javanica* through neem (*Azadirachta indica* A. Juss) amended soil. Pakistan Journal of Nematology 24:171-182.
- Khan, H.U. T.Mukhtar, R.Ahmad and M.A.Iqbal. 2006. Studies on the distribution and control of root knot nematodes *Meloidogyne spp.* in Faisalabad and Lahore divisions, Pakistan. Pak.Jour. Nematol. 24 (1):57-64.
- Mughal.S.M., 2006. Virus and virus like diseases of cotton and their management in Pakistan. Pakistan Agric. 1: 23-28.
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## Department of Plant Breeding and Genetics

### Foreign

- Azhar, M. T., A. A. Khan and I. A. Khan. 2005. Combining ability analysis of heat tolerance in *Gossypium hirsutum* L. Czech J. Genet. and Plant Breeding,41(1):23-28.
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- Ikram, M. and M. Saleem. 2005. Genetic of pod clusters in cowpea (*Vigna unguiculata*) Walp. J. Agri. Res. 43(2): 111-120.
- Khan, A. A. and T. McNeilly. 2005. Triple Test Cross analysis for salinity tolerance in maize. *Breeding Science*, 55 (3): 321-325.
- Rahman M and TA Malik. 2005. Genetics of resistance against cotton leaf curl disease in cotton (*Gossypium hirsutum* L.) Plant Pathology, UK. 54: 764-772.
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- Tabassum, M.I. and M. Saleem, A. Ali and M.A. Malik. 205. Genetic mechanisms of leaf characteristics and grain yield in maize under normal and moisture stress conditions. Biotechnology 4(4): 243-254.

## 2006

- Rauf S., I.A. Khan and F.A. Khan. 2006. Cholchicine induced tetraploidy and changes in allele frequencies in Cholchicine treated populations of diploids assessed with RAPD markers in *G. arboreum* L. Turkish Journal of Biology. Turk J. Biol 30(2006): 93-100.

## Local journals 2005

- Abbas, G., M.S. Sadiq, M. Saleem, S. Haider and M. Saleem. 2005. Selection criteria for segregating generation of mungbean *Vigna radiata* L. *J. Agri. Res.* 43(2): 95-102.
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- Asghar, M. J. and I. A. Khan. 2005. Variability seedling vigour in two maize (*Zea mays*) populations. I: Means, Variance Components and Heritabilities. *PJBS.*8(6):839-843.
- Asghar, M. J. and I. A. Khan. 2005. Variability seedling vigour in two maize (*Zea mays*) populations. II: Correlations and Response to selection. *PJBS.*8(6):844- 848.
- Azhar, M. T. and A. A. Khan. 2005. Combining ability analysis of seed cotton yield and its components in *Gossypium hirsutum* L. *Pak. J. Sci. Indus. Res.*, 48(5):358-361.
- Chowdhry M. A., N. Parveen, I. Khaliq and M.Kashif. 2005. Estimation of heterosis for yield and yield components in bread wheat. *J. Agri. Soc. Sci.*1(4):304-308.
- Ahmad, J. and M. Aslam Chowdhry (2005). The efficiency of chromosome doubling in haploids derived from wheat x maize crossing. *Pak. J. Biol. Sci.* 1(4): 1707-1711.
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- Rehman, A., M. Saleem and A. Naveed. 2005. Genetic analysis of harvest index in mungbean. *Pak. J. Agri. Sci.* 42(1-2): 66-70.
- Saleem, M., M. Aslam Chowdhry and I. Khaliq. 2005. Inheritance pattern of plant height, grain yield and some leaf characteristics of spring wheat. *Inst. J. Agri. Biol.* 7(6): 1015-1018.
- Saleem., M.A. A. Zafa, M. Ahsan and M. Aslam. 2005. Interrelationship and variability studies for grain yield and its various components in chickpea (*Cicer arietinum* L.) *J. Agri. Social. Sci.* 1(3): 266-269.
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- Cheema, Z.A., A. Khaliq, M.N. Mushtaq and M. Akram. Presented research paper entitled “ Application of allelopathic crop water extracts in combination with reduced dose of herbicide for weed control in wheat in 2<sup>nd</sup> Intl. Weed Science Conference on March 20-22, 2006.
- Iqbal, J. and Z.A. Cheema. Presented research paper entitled “Intercropping of allelopathic crops in cotton purple nutsedge management in 2<sup>nd</sup> Intl. Weed Science Conference on March 20-22, 2006.
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### **Papers Presented and/or Published at National Conferences**

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### **Department of Forestry, Range Management and Wildlife**

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## **FACULTY OF AGRI. ECONOMICS & RURAL SOCIOLOGY**

### **Department of Agricultural Economics**

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## **Department of Rural Sociology**

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## **Department of Fibre Technology**

### **2005**

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- Nasir, A., K. Uchida and J. K. Sial. 2006. Computation of Erosivity Factor with Daily Rainfall Data in Shiga Prefecture. Proceedings of the International Conference on Agricultural Engineering – Issues and Strategies, held at University of Agriculture Faisalabad, Pakistan. February 16-18, 2006.



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### **Department of Farm Machinery and Power**

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**Department of Physiology and Pharmacology**

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Javed, I, F.H. Khan, F. Muhammad, B. Aslam, T. Khaliq, L. Ali, Z. Iqbal. S. Mujib. 2005. Renal clearance and urinary excretion of nor floxacin in sheep. *Pak. Vet. J.*, 25(2): 51-54.

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## **FACULTY OF SCIENCES**

### **Department of Botany**

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### **INSTITUTE OF FOOD SCIENCES & TECHNOLOGY**

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### Papers presented in the national/international seminars/conferences/ workshops/ symposia

#### 2007

- A.S. Khan 2007. Participated in the training course on "Project Management" from 10-12Dec, 2007" organized by Pakistan Planning Commission Institute and UAF.
- Khan, A.A. 2007. Developing of TILLING population in cowpea. Plant Cell Biology Training Program Retreat. Stanford Sierra Camp, Fallen Leaf Lake, California, USA. September 14-16, 2007
- Khan, A.A. 2007. Molecular markers for crop breeding. Agricultural Biotechnology Research Institute, AARI, Faisalabad.
- Khan, I.A. 2007. Chaired a session in Regional Consultation on Biotech Cotton for Risk Assessment and opportunities for small scale cotton growers. Organized by (CFC/1CAC 34 FT) Faisalabad, Pakistan (6-8 March, 2007).
- Khan, I.A. 2007. Participated One Day National Workshop on Plant Variety Protection. Organized by UPOV Convention. MINFAL, GoP, Islamabad (20 Jan., 2007).
- Khan, S.H. 2007. Higher Education Strategic Partnership Workshop. Organized by British Council in Lahore (26th November).
- Malik, T.A. 2007. Application of polymerase chain reaction in molecular biology. In "National Training Course, Integration of Modern Biotechnology Tools with Conventional System of Crop Genetic Improvement. Organised by the CABB, University of Agriculture Faisalabad.
- Malik, T.A. 2007. BT cotton in Pakistan. In the "Regional Consultation on Genetically Modified Cotton for Risk Assessment and Opportunities for Small-scale Cotton Growers" Organized by NIBGE, Faisalabad (6-8 March, 2007)

- Malik, T.A. 2007. Frego bract: An important insect resistant traits in cotton. In the National Conference on Cotton Production (2-3 may, 2007) Organized by NIBGE, Faisalabad.
- Malik, T.A. 2007. Frontiers in Plant Transformation to Model Crop Performance in Changing Environments. In "National Training Course, Integration of Modern Biotechnology Tools with Conventional System of Crop Genetic Improvement. Organised by the CABB, University of Agriculture Faisalabad.

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## Department of Agri. Entomology

### 2007

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- Ahmed, S., F. Ahmad, M.A. Riaz, O. Rehman and A. Hussain. 2007. Some studies on the cultural and chemical control of maize stem borer (*Chilo partellus* Swin.), short fly (*Atherigona soccata* Rond.) and termites in maize (*Zea mays*) at Distt. Sahiwal, Punjab, Pakistan. *Pak. J. Agri. Sci.*, 44 (3) : 493-497.
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## Department of Forestry

### Research publications, journals and books

## 2007

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- Khan, G. S., Chaudhry. A.K. 2007. Effect of spacing and plant density on the growth of popular (*Populus deltoids*) trees under Agro-Forestry system. *Pak. J. Agri. Sci.* 44(2),321-327.
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- Shahid H, Khan. Z. H., Khan. R. A., Qadir. I. and Fahad. R. 2007. Comparative efficacy of some trap for controlling porcupines, wild boars and other vertebrate pests. *Pak. J. Agri. Sci. Vol*, 44(1).

## English Article:

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- Ahmad, M. and M. Ishaque. 2008. Protective role of forests. The post vista, P.10
- Ahmad, M. and M. Ishaque. 2008. Productive role of forests. The Nations, Money plus, P.12-13
- Ahmad, M. and M. Ishaque. 2008. Organic cotton cultivation. The Nations, Money plus, P.17-20
- Ahmad, M. and M. Ishaque. 2008. Budget 2008-2009 and farmers. The Nations, Money plus, P.12-13
- Ahmad, M. and M. Ishaque. 2008. Integrated weed management in field crops. The Nations, Money plus, P.18-20
- Ahmad, M. and M. Ishaque. 2008. Organic Agriculture: need of the hour. The post vista, P.7
- Ahmad, M. and M. Ishaque. 2008. Water resources: conservation and management. The post vista, P.11
- Ahmad, M. and M. Ishaque. 2008. Permaculture. The Nations, Money plus, P.20-21
- Ahmad, M. and M. Ishaque. 2008. Competitive advantage in growing organic tea. Dawn Economic and Business Review, P.3
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- S. Yaqoob and Khan Z. H., 2008. Agro-grazing in irrigated Punjab. Daily Dawn., March 24, 2008.

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- Khan. R.A and Fahad Rasheed., Sohanjana (Morinja olifera) Hamageer Safhat say Malamal Drakhat Zari Digest.
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## Department of Agronomy

### Research Publications, Journals and Books

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- Anjum F.H., A. Tanveer, M.A. Nadeem, M. Tahir and A. Aziz. 2007. Effect of split application of nitrogen and integrated weed management on nutrient uptake by Trianthema portulacastrum (Itsit) in cotton. Pak. J. Agri. Sci., 44( 3 ) : 423-427.
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- Iqbal, J. and Z.A. Cheema. 2007. Effect of allelopathic crops water extracts on glyphosate dose for weed control in cotton (*Gossypium hirsutum*). Allelopathy Journal, 19(2): 403-410.
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## Department of Crop Physiology

### Research publications, journals and books

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## **Department of Animal Breeding and Genetics**

### **International Publications**

- A. Bhatti, M. S. Khan, Z. Rehman, A. U. Hyder and F. Hassan. 2007. Selection of Sahiwal cattle bulls on pedigree and progeny. *Asian-Aust. J. Anim. Sci.* 20(1):12-18.
- Akhtar P., M. Abdullah, M. Younas and M. Aslam. 2007. Heritability estimates of some growth traits of Hissardale sheep in Pakistan. *Ind J. Anim Sci.* 77 (2): 65-67.
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- Ali, S., I. Wilmut, K. Campbell, E. Telfer and P. Akhtar. 2007. Effect of 6-Dimethylaminopurine (6-DMAP) to synchronize Blastomere division in Murine embryos at cleavage stage. *Turkish J. of Veterinary and Animal Science.* ( Submitted)
- F. Hassan, M. S. Khan, M. S. Rehman, M. Sarwar and S. A. Bhatti. 2007. Seasonality of calving in Nili-Ravi buffaloes, purebred Sahiwal and crossbred cattle in Pakistan. *Italian J. Anim. Sci.* 6:1298-1301.
- Hassan, F., M. S. Khan, M. S. Rehman, M. Sarwar, and S. A. Bhatti. 2007. Seasonality of calving in Nili-Ravi buffaloes, Sahiwal purebred and crossbred cattle in Pakistan. *Italian Journal of Animal Science.* Vol.6:(2) 1298-1301. Proceedings of the 8th world buffalo congress, Caserta, Italy (October 19-22, 2007).
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- M. S. Khan, A. Ali, A.U. Hyder and A.I. Chatta. 2007. Effect of inbreeding on performance traits of Beetal goats in Pakistan. *Archives of Animal Breeding* 50(2):197-203.
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- U. Hyder, M. S. Khan, M. Aslam, M. S. Rehman and I. R. Bajwa. 2007. Milk yield and season of calving in buffaloes and cattle in Pakistan. *Italian J. Anim. Sci.* 6:1347-1350.

## 2008

- H. J. Lee, M. A. Khan, W. S. Lee, H. S. Kim, K. S. Ki, S. J. Kang, T. Y. Hur, M. S. Khan and Y. J. Choi. 2008. Growth, blood metabolites, and health of Holstein calves fed milk replacer containing different amounts of energy and protein. *Asian-Aust. J. Anim. Sci.* 21 (2):198-203.
- M. Ajmal Khan, M. Sarwar, M. S. Khan, M. S. Rehman, M. Nisa, W. S. Lee and H. S. Kim. 2008. Use of additives to capture nitrogen in ammoniated wheat straw: Intake, ruminal parameters, digestibility and nitrogen utilization in buffaloes. *Livest. Sci.* 114:347-353.
- M. I. Mustafa, J. P. Chadwick, P. Akhtar, S. Ali, M. Lateef, J. I. Sultan. 2008. Effect of concentrate and silage based Finishing Diets on the growth Performance and Carcass Characteristics of Suffolk Cross and Scottish Blackface Lambs. *Turkish J. of Veterinary and Animal Science.* 32(3):191-197.
- Razik, M. Younas, A. Iqbal and M.S. Khan. 2008. Socio economic profile of camel in Balochistan. *Camel journal.* (accepted)
- Z. Rehman, M. S. Khan, S. A. Bhatti, J. Iqbal and A. Iqbal. 2008. Factors affecting first lactation performance of Sahiwal cattle in Pakistan. *Archives of Animal Breeding* 51 (accepted).

## National Publications

### 2007

- M. S. Khan, A. A. Bhatti, S. A. Bhatti and M. Ashiq. 2007. Semen Production and Productive life of Sahiwal Bulls - Relationship with Genetic worth. *Pakistan Vet. J.* 27(1):20-24.
- M. S. Khan, Muqarrab A. Khan, S. Ahmad and S. Mahmood. 2007. Genetic resources and diversity in Pakistani sheep. *Int. J. Agri. Biol.* 9 (6):941-944.
- M. S. Khan, N. Ahmad and Muqarrab A. Khan. 2007. Genetic resources and diversity in dairy buffaloes of Pakistan. *Pakistan Vet. J.* 27(4):201-207.
- S. A. Bhatti, M. Sarwar, M. S. Khan and S.M.I. Hussain. 2007. Reducing the age at calving through nutritional manipulations in dairy buffaloes and cows: a review. *Pakistan Vet. J.* 27(1):42-47.
- S. Ahmad and M. S. Khan. 2007. Karyology of Kari sheep. *Pakistan Vet. J.* 27(3):118-120.

### 2008

- G. Bilal and M. S. Khan. 2008. Use of test-day milk yield for genetic evaluation in dairy cattle: a review. *Pakistan Vet. J.* 28 (accepted)
- G. Bilal, M. S. Khan, I. R. Bajwa and M. Shafiq. 2008. Genetic control of test-day milk yield in Sahiwal cattle. *Pakistan Vet. J.* 28(1):21-24.
- M. S. Khan, G. Bilal, I. R. Bajwa and Z. Rehman. 2008. Estimation of breeding values of Sahiwal cattle using test day milk yields. *Pakistan Vet. J.* 28 (3) (accepted)
- M. S. Khan, Muqarrab A. Khan and S. Mahmood. 2008. Genetic resources and diversity in Pakistani goats. *Int. J. Agri. Biol.* 10 (2):227-231.
- M. S. Khan, Z. U. Rehman, M. A. Khan and S. Ahmad. 2008. Genetic resources and diversity in Pakistani cattle. *Pakistan Vet. J.* 28(2): 95-102.

## Popular Articles

### 2007

- M. S. Khan. 2007. Revival of Sahiwal cattle through animal recording and shows. <http://www.fao.org/AG/againfo/programmes/en/genetics/documents/story46.html>
- M.S. Khan. 2007. Kari sheep – indispensable breed contributing rural livelihoods. <http://www.fao.org/AG/againfo/programmes/en/genetics/documents/story50.html>

## Popular Talks

### 2007

- M. S. Khan. 2007. Sadi Sahiwal gaan (Our Sahiwal breed). A Punjabi talk at Sahiwal cattle Show/Mela at Kinjwani (Tehsil Samundari). Organized by Research Centre for Conservation of Sahiwal cattle, Jhang.

- M. S. Khan. 2007. Sahiwal gaan di ahmiyat (Importance of Sahiwal Cow). A Punjabi talk at Sahiwal cattle Show/Mela at Kabirwala (Chak Norang Shah). organized by Research Centre for Conservation of Sahiwal cattle, Jhang.
- M. S. Khan. 2007. Sahiwal gaan hi quoon (Why Sahiwal breed only). A Punjabi talk at Sahiwal cattle Show/Mela at Livestock Production Research Institute, Okara. organized by Research Centre for Conservation of Sahiwal cattle, Jhang.

## **FACULTY OF ANIMAL HUSBANDRY**

### **Department of Poultry Science**

#### **International**

##### **2007**

- Ahmad, T., T. Mushtaq, M.A. Khan, M.E. Babar, M. Yousaf, Zia-ul-Hassan and Z. Kamran. 2007. Influence of varying dietary electrolyte balance on broiler performance under tropical summer conditions. *Journal of Animal Physiology and Animal Nutrition* (Accepted for publication) Japan.
- Ayaz, M.M., M. Akhtar, I. Husnain, F. Muhammad and A.U.Haq. 2007. Maternal immunization by egg propagated gametocyte vaccine to control *Eimeria tanella* infections in newly hatched chicks. *Parasitol. Res.* 100:1339-1341.
- Babar, M.E., M. Abdullah, A.U. Haq, and A. Nadeem. 2007. Prion protein genepolymorphisms. *Mol. Bio. Rep.* DOI 10.1007/S 11033-007-9162-7.
- Mahmood, S., M. Ajmal Khan, M. Sarwar, M. Nisar, W.S. Lee, S.B. Kin, T.Y. Hur, H.J. Lee and H.S. Kin. 2007. Use of chemical treatments to reduce tannins and trypsin inhibitor contents in salseed (*Shorea robusta*) meal. *Asian Aust. J. Anim. Sci.*, 20(9): 1462-1467.

##### **2008**

- Ayaz, M.M., M. Akhtar, I. Husnain, F. Muhammad and A.U.Haq. 2008. Immunoglobulin producing cell in chickens immunized with *Eimeria tanella* gametocyte antigen vaccines. *Veterinari Medicina* 53:207-213.
- Nawaz, H., M. Shafiq, M. Yaqoob, M. Yousaf and F. Ahmad. 2008. Effect of varying levels of cholecalciferol on live performance and carcass characteristics of broiler chicks. *Indian Veterinary Journal* 85 : 851-854.
- Nawaz, H., M.A. Naseem, M. Yaqoob, F. Ahmad and M. Yousaf. 2008. Effect of dry yeast (*Saccharomyces cerevisiae*) on live performance and carcass characteristics of broiler chicks. *Indian Journal of Animal Sciences* 78 (1): 117-120.
- Yousaf, M. and A.S. Chaudhry. 2008. History, changing scenarios and future strategies to induce moulting in laying hens. *World's Poultry Science Journal* 64(1): 65-75.
- Yousaf, M. and A.S. Chaudhry. 2008. Non feed-removal methods to induce outling in egg laying hens. *The Journal of the University of Newcastle upon Tyne* 31: 13-15.

#### **National**

##### **2007**

- Akhtar, N., S. Mahmood, M. Hassan and F. Yaseen. 2007. Comparative study of potential and egg characteristics of Lyallpur Silver Black, Fayoumi and Rhode Island Red breeds of poultry. *Pak. Vet. J.*, 27(4): 184-166.
- Hayat, M., A.U. Haq, U. Farooq and F. Ahmad. 2007. Effect of Neem (*Azadirachta indica*) on growth performance in broiler chicks. Held on July 21, 2007. organized by Pakistan Veterinary Medical Association in collaboration with Institute of Animal Nutrition and Feed Technology, University of Agriculture, Faisalabad.

Mahmood, S., S. Mehmood, F. Ahmad, A. Masood and R. Kausar. 2007. Effects of feed restriction during starter phase on subsequent growth performance, dressing percentage, relative organ weights and immune response of broilers. *Pak. Vet. J.*, 27(3): 137-141.

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Ansari, J.Z., A. Haq, M. Yousaf, Tanveer Ahmad and S. Khan. 2008. Evaluation of different medicinal plants as growth promoters for broiler chicks. *Sarhad Journal of Agriculture* 24 (2): 323-329.

Yousaf, M., N. Ahmad, S. Khan and Tanveer Ahmad. 2008. Non-feed deprivation molting techniques, an innovative approach to induced molting, their impact on feather molt scoring and egg production of caged hens. *Sarhad Journal of Agriculture* 24 (2): 331-337.

## INSTITUTE OF ANIMAL NUTRITION AND FEED TECHNOLOGY

### International papers

#### 2007

Ahmad, T. and M. Sarwar. 2007. Dietary electrolyte balance: implications in heat stressed broilers. *World's Poul. Sci. J.* 62:636-653.

Khan, M. A., M. Sarwar, T. Ahmed, S. A. Bhatti, M. Nisa and Wang-Shank Lee. 2007. Influence of organic acid or fermentable carbohydrates on feeding value of urea treated wheat straw for nili ravi buffaloes fed ad libitum diets. *Italian J. Animal Science.* 06: 508-511.

Khan, S. H., A. G. Khan, M. Sarwar and A. Azeem. 2007. Comparative study on biomass field and nutritive value of three cereal fodders. *SAARC J. Agriculture.*05:111-122.

Mushtaq, T., M. Sarwar, G. Ahmad, M. A. Mirza, H. H. Haroon and U. Noreen. 2007. Influence of canola meal-based diets supplementation with exogenous enzymes and digestible lysine on performance, digestibility, carcass and immunity response of broiler chicks. *Poultry Science.* 9:1361-1366.

Mushtaq, T., Mirza, M. A., Athar, M., Hooge, D. M., Ahmad, T., Ahmad, G., Mushtaq M. M. H. and Noreen. U. 2007. Dietary sodium and chloride for twenty-nine to forty-two days old broiler chickens at constant electrolyte balance under subtropical summer conditions. *The J. Applied Poultry Research* 16: 161-170.

Nisa, M., M. Sarwar, M. A. Shahzad and Z. Hassan. 2007. Influence of urea-molasses treated wheat straw fermented with cattle manure on nutrient intake, digestibilities, milk yield and its composition in early lactating Nili Ravi buffaloes. *Italian J. Animal Science.* 06: 480-484.

Sarwar, M., M. A. Shahzad and M. Nisa. 2007. Nutrients intake, acid base status and growth performance of growing Thalli lambs fed varying level of dietary cation anion difference. *Asian-Australasian J. Anim. Science.*20: 1858-1864.

Sarwar, M., M. A. Shahzad and M. Nisa. 2007. Influence of varying level of sodium bicarbonate on milk yield and its composition in early lactating Nili Ravi buffaloes. *Asian-Australasian J. Anim. Science.*20:1713-1720.

Sarwar, M., M. A. Shahzad, M. Nisa and A. Sufyan. 2007. Influence of Bovine Somatotropin and Replacement of Corn Dextrose with Concentrate on the Performance of Mid-Lactating Buffaloes Fed Urea-Treated Wheat Straw. *Turk. J. Vet. Anim. Science.*31:259-265.

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Shahzad, M. A., M. Sarwar and M. Nisa. 2007. Nutrients intake, acid base status and growth performance of growing male buffalo calves fed varying level of dietary cation anion difference. *Livestock Science.* 111:136-143.

Shahzad, M. A., M. Sarwar and M. Nisa. 2007. Nutrients intake, acid base status and growth performance of growing male buffalo calves fed varying level of dietary cation anion difference. *Livestock Sci.*111:136-143.

Shahzad, M.A., M. Sarwar and M. Nisa. 2007. Effect of dietary cation anion difference on buffalo performance during summer. *Italian J. Animal Science.* 06:491-494.

- Touqir, N. A., Khan, M. A., M. Sarwar, M. Nisa, W. S. Lee, H.J. Lee and H. S. Kim. 2007. Influence of Varying dry matter and molasses levels on Berseem and Lucerne silage characteristics and their In Situ digestion kinetics in Nili Ravi buffalo bulls. *Asian-Australasian J. Anim. Science*.20:887-893.
- Touqir, N. A., Khan, M. A., M. Sarwar, M. Nisa, W. S. Lee, H.J. Lee and H. S. Kim. 2007. Influence of varying dry matter and molasses levels on berseem and Lucerne silage characteristics and their in situ digestion kinetics in Nili Ravi buffalo bulls. *Asian-Australasian J. Anim. Sci*.20:887-893.
- Touqir, N.A., M. A. Khan, M. Sarwar, M. Nisa, C.S. Ali, W. S. Lee, H.J. Lee and H.S. Kim. 2007. Feeding value of Jambo grass silage and Mott grass silage for lactating Nili buffaloes. *Asian-Australasian J. Anim. Science*.20:523-528.
- Touqir, N.A., M. A. Khan, M. Sarwar<sup>1</sup>, M. Nisa, C.S. Ali, W. S. Lee, H.J. Lee and H.S. Kim. 2007. Feeding value of Jambo grass silage and Mott grass silage for lactating Nili buffaloes. *Asian-Australasian J. Anim. Sci*.20:523-528.

## 2008

- Haq Nawaz, M. Shafiq, M. Yousaf and Fawwad Ahmad. 2008. Effect of varying levels of cholecalciferol on live performance and carcass characteristics of broiler chicks. *Indian Vet. J.* 85:851-854
- Javaid, A., Mahr-un-Nisa, M. Sarwar, M.A. Shahzad. 2008. Ruminant characteristics, blood pH, blood urea nitrogen and nitrogen balance in Nili-Ravi buffalo (*bubalus bubalis*) bulls fed diets containing various level of ruminally degradable protein. *Asian-Aust. J. Anim. Sci.* 21(1):51-59.
- Kamran, Z., Sarwar, M. Nisa, M. A. Nadeem, and S. Ahmed. 2008. Effect of Low-Protein Diets Having Constant Energy-to-Protein Ratio on Performance and Carcass Characteristics of Broiler Chickens from One to Thirty-Five Days of Age. *Poultry Science.* 11:154-163.
- Mahr-un-Nisa, Javaid, A., M. Sarwar, M. A. Shahzad. 2008. Influence of varying ruminally degradable to undegradable protein ratio on nutrient intake, milk yield and nitrogen balance in early lactating Nili-Ravi buffaloes (*Bubalus bubalis*). *Asian-Aust. J. Anim. Sci.* 21:
- Nisa, M, Shahzad, M. A., M. Sarwar. 2008. Silage characteristics and Chemical Composition of Jambo silage and its Fodder with different Additives and Fermentation Periods and their In Situ Digestion Kinetics in Nili Ravi Buffalo bulls. *Turkish Journal of Veterinary and Animal Sciences.* 1: 311-317.
- Nisa, M., A. Javaid, M. A. Shahzad and M. Sarwar. 2008. Influence of varying ruminally degradable to undegradable protein ratio on nutrient intake, milk yield, nitrogen balance, conception rate and days open in early lactating Nili-Ravi buffaloes (*Bubalus bubalis*). *Asian-Australasian J. Anim. Sci*.20:210-218.
- Sarwar, M., M. Nisa, Z. Hassan and M. A. Shahzad. 2008. Influence of urea molasses treated wheat straw fermented with cattle manure on chemical composition and feeding value for growing buffalo calves. *Livestock Science*.105:151-161.
- Shahzad, M. A., M. Sarwar and M. Nisa. 2008. Influence of altering dietary cation anion difference on milk yield and its composition by early lactating Nili Ravi buffaloes in summer. *Livestock Science*.113:133-143.
- Shahzad, M. A., M. Sarwar and M. Nisa. 2008. Influence of varying dietary cation anion difference on serum minerals balance and hypocalcaemia in Nili Ravi buffaloes. *Livestock Science*.113:52-61.

## National Papers

### 2007

- Ali, C. S., T. Khaliq, A. Javaid, M. Sarwar, M. A. Khan, M. A. Shahzad and S. Zakir. 2007. In vitro utilization of NPN sources by increasing levels of corn starch in straw based diets. *Pak. Vet. J.*, 27:95-101.
- Bhatti, S.A., M. Sarwar, M.S. Khan and S.M.I.Hussain. 2007. Reducing the age at calving through nutritional manipulations in dairy buffaloes and cows: a review. *Pak Vet. J* 27:42:47

### 2008

- Ali, C. S., T. Khaliq, M. Sarwar, A. Javaid, M. A. Shahzad, M. Nisa and S. Zakir. 2008. Effect of various nonprotein nitrogen sources on in vitro dry matter digestibility, ammonia production, microbial growth and pH changes by rumen bacteria. *Pak.. Vet. J.*, 28:25-30

- Zakir, S. J. C. Allen, M. Sarwar, Mahr-un-Nisa, S. A. Chaudhry, U. Arshad, A. Javaid and Islam-ud-din. 2008. Sweet potato glycemic index in relation to serum glucose level in human participants. *Int. J. Agri. Biol.* 10:311-15.
- Zakir, S., M. Sarwar, S. A. Chaudhry, J. Allen, M. S. Butt, Mahr-Un-Nisa, U. Arshad, Islam-Ud-Din and A. Javaid. 2008. Impact of sweet potato cultivars on blood glucose level in diabetic and healthy participants. *Int. J. Agri. Biol.* 10:316-20.

### **Abstracts (Foreign & National)**

#### **2007**

- Ali, C.S., M. Sarwar., M. Aasif Shahzad and M. Nisa. 2007. Influence of altering non-protein nitrogen sources on rumen bacteria count. *Proceedings: International Livestock and Poultry Congress.* 27-28 March, pp. 125-127, Organized by Pakistan Veterinary Medical Association, Pearl Continental Hotel, Lahore, Pakistan
- Ali, C.S., M.A. Shahzad, M. Sarwar and M. Nisa. 2007. In Vitro dry mater digestibility as affected by varying non-protein nitrogen sources. *Proceedings: International Livestock and Poultry Congress.* 27-28 March, pp. 32-34, Organized by Pakistan Veterinary Medical Association, Pearl Continental Hotel, Lahore, Pakistan
- Haroon, M, M. Nisa, M.A. Shahzad and M. Sarwar. 2007. Growth performance of broiler chicks fed high fiber diets supplemented with varying level of Rova Bio. *International Nutrition Conference; Poultry Nutrition Section.* 23-24 February, pp. 48, University of Agriculture, Faisalabad, Pakistan.
- J. I. Sultan, A. Javaid, M. Yaqoob, P. Akhtar. 2007. Effect of varying ruminally degradable to undegradable protein ratio on feed intake, nutrient digestion and N balance of buffalo calves. *J. Anim. Sci. Proceedings.*
- Javaid, A., M. Nisa., M. Sarwar and M. Aasif Shahzad. 2007. Effect of different levels of ruminally degradable protein and ruminally degradable protein levels on nutrient intake, ruminal characteristics, digestibility, milk yield and reproductive performance of lactating buffaloes. *Proceedings: International Livestock and Poultry Congress.* 27-28 March, pp. 90-93, Organized by Pakistan Veterinary Medical Association, Pearl Continental Hotel, Lahore, Pakistan
- Javaid, A., M. Nisa., M. Sarwar, M. Aasif Shahzad and C.S. Ali. 2007. Effect of varying ruminally degradable protein levels on nutrient intake, digestibilities by Nili Ravi buffalo bulls. *Proceedings: International Livestock and Poultry Congress.* 27-28 March, pp. 86-89, Organized by Pakistan Veterinary Medical Association, Pearl Continental Hotel, Lahore, Pakistan
- Kaman, M. Sarwar, M. Nisa, M.A. Nadeem, S. Mahmood and M.A. Shahzad. 2007. Effect of Low Levels of Dietary Protein on Growth, Protein Utilization and Body Composition of Broiler Chicks During one to Twenty-Six Days of Age. *International Nutrition Conference; Poultry Nutrition Section.* 23-24 February, pp. 49, University of Agriculture, Faisalabad, Pakistan.
- Mushtaq, T., Sarwar, M., Ahmad, G., Mirza, M. A. and Mushtaq, M. M. H. 2007. Influence of feed phosphates and phytase supplementation on broiler performance. *Joint ADSA-PSA-AMPA-ASAS*
- Nisa, M, M. Sharif, M.A. Shahzad and Z. Sarwar. 2007. Effect of cationic and anionic diets on nutrient intake, acid base status, milk yield and its composition in early lactating Nili Ravi buffaloes during winter. *International Nutrition Conference; General Animal Nutrition Section.* 23-24 February, pp. 25, University of Agriculture, Faisalabad, Pakistan.
- Nisa, M, M.A. Shahzad, M. Sarwar and M.A. Khan. 2007. Nutrient intake, Digestion Kinetics and Digestibility in Buffalo Bulls fed Urea Treated Corncobs Ensiled with or without Enzose (corn dextrose). *International Nutrition Conference; General Animal Nutrition Section.* 23-24 February, pp. 26, University of Agriculture, Faisalabad, Pakistan.
- Nisa, M, M. Sarwar and M.A. Shahzad. 2007. Effect of replacing concentrate with enzose and corn steep liquor on nutrient intake, digestibility, and nitrogen balance in ruminally cumulated buffalo bulls fed corn cob based diet. *Proceedings: International Livestock and Poultry Congress.* 27-28 March, pp. 21-28, Organized by Pakistan Veterinary Medical Association, Pearl Continental Hotel, Lahore, Pakistan
- Sarwar, M, M. Nisa, M.A. Shahzad and M. Sharif. 2007. Nutrient intake, ruminal characteristics, nitrogen metabolism and in situ digestion kinetics in Nili Ravi buffalo bulls fed anionic and cationic diets.



- International Nutrition Conference; General Animal Nutrition Section.23-24 February, pp. 30, University of Agriculture, Faisalabad, Pakistan.
- Sarwar, M. M. Nisa, M.A. Shahzad and Z. Hassan. 2007. Effect of replacement of varying level of concentrate with urea molasses treated wheat straw ensiled with manure on ruminal characteristics, in situ digestion kinetics and nitrogen metabolism in Nili-Ravi buffalo bulls. International Nutrition Conference; General Animal Nutrition Section.23-24 February, pp. 24, University of Agriculture, Faisalabad, Pakistan.
- Sarwar, M., M. A. Shahzad, M. Nisa and C.S. Ali. 2007. Biological and Chemical tools to improve the nutritive value of low quality forages/fodders and crop residues for ruminants. Proceedings: International Livestock and Poultry Congress. 27-28 March, Pp.. 6-12, Organized by Pakistan Veterinary Medical Association, Pearl Continental Hotel, Lahore, Pakistan
- Sarwar, M., M. Aasif Shahzad, M. Nisa. 2007. Crop Livestock Systems under Saline Environments. ICARDA-Workshop–Improving nutritional value of low quality fodders, forages and crop residues through biological and chemical means. May 24-26, Tashkent, Uzbekistan.
- Sarwar, M., M.A.Shahzad and M. Nisa. 2007. Serum minerals, mineral balance and occurrence of hypocalcemia in buffaloes fed varying level of dietary cation anion difference during winter. International Nutrition Conference; General Animal Nutrition Section.23-24 February, pp. 28, University of Agriculture, Faisalabad, Pakistan.
- Sarwar,M., M.A.Shahzad, M. Nisa and N.A.Tauqir. 2007. Silage characteristics and Chemical Composition of Jambo silage and its Fodder with different Additives and Fermentation Periods and their In Situ Digestion Kinetics in Nili Buffalo bulls. International Nutrition Conference; General Animal Nutrition Section.23-24 February, pp. 27, University of Agriculture, Faisalabad, Pakistan.
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## Department of Pathology

### Research Publications, journals and books

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## Department of Social Science and Humanities

Research Publications Nil

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## FACULTY OF AGRI. ENGINEERING & TECHNOLOGY

### Department of Farm Machinery & Power

#### Research Publications, journals and books

## 2007

- Iqbal, M., Kh. Altaf Hussain, M. Ahmad, and M. Iqbal. 2007. Marketing and Economic Analysis of University Boom Sprayer. *Pakistan Journal of Agricultural Sciences*, University of Agriculture, Faisalabad, ISSN 0552-9034, 44(1):154-158.
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### Department of Structures and Environmental Engineering

## 2007

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### Department of Fibre Technology

## 2007

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## **FACULTY OF AGRICULTURAL ECONOMICS & RURAL SOCIOLOGY**

### **Department of Agricultural Economics**

#### **Research papers published**

##### **2007**

- Abedullah, S. Kousar and K. Mushtaq. 2007. Analysis of Technical efficiency of rice production in Punjab (Pakistan): Implications for future investment strategies. *Pak. Econ. Soc. Rev.* 45(2): 231-244.
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## **Department of Development Economics**

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## **Department of Marketing & Agribusiness**

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## **Department of Rural Sociology**

### **Research papers published**

## **2007**

- Ahmad, A.M. 2007. Gender roles in livestock management and their implication for poverty reduction in rural Toba Tek Singh, Punjab–Pakistan.
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## **DIVISION OF EDUCATION & EXTENSION**

### **Department of Continuing Education**

### **Research papers published**

## **2007**

- Khan, A.S., M. Ashfaq and M. Afzal. 2007. Description of the new species of genus, *Amblyseius* from Pakistan. Pak. Entomol. 29(2):
- Khan, M.A.J., T.E. Lodhi, I. Ashraf and G.A. Khan. 2007. An assessment of technical competencies (Agronomic Practices) needed by Agri. Offices in the Punjab, Pakistan. Pak. J. Agric. Sci. 44(2): 381-383.
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## **Department of Agri. Extension**

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## **Department of Rural Home Economics**

### **Research papers published**

#### **2007**

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## WATER MANAGEMENT RESEARCH CENTRE

### Research papers published

## 2008

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- Ahmad, N., M. Arshad, A. Waqas and M.A. Shahid. 2008. Impact assessment of increasing groundwater exploitation in Bari doab—A case study of Okara division. Accepted for 20th International Congress on Irrigation and Drainage. To be held at WAPDA House, Lahore on Oct. 13-19.
- Akhtar, B. and N. Ahmad. 2008. Enhancing productivity of wheat and sugarcane by intercropping sugarcane in furrows with wheat on raised beds. Submitted for International Symposium on Modern Approaches and Techniques in Agriculture to ensure Food Security in Pakistan. To be held at University of Agriculture, Faisalabad on Oct. 13-14.
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## DIRECTORATE OF RESEARCH

### Research papers published

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- Rauf, S., T. Manzoor, A. Naveed and H. Munir. 2007. Modified path to high lint yield in upland cotton (*Gossypium hirsutum* L.) under two temperature regimes. Turk. J. Biol. 31: 119-126.

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### Research papers published

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- Akhtar, S. and F.M. Anjum. 2007. Sensory characteristics of whole wheat mineral fortified chapattis. Pak. J. Nutr. 6(6): 681-686.
- Ali, Z., F.M. Anjum and T. Zahoor. 2007. Sensory characteristics of bread prepared from lactic acid obtained from corn cobs, an agricultural waste. Pak. J. Agric. Sci. 44(3): 539-546.
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**LIST OF BOOKS PUBLISHED BY THE TEACHERS AT NATIONAL/ INTERNATIONAL LEVEL**

UNIVERSITY OF AGRICULTURE, FAISALABAD

T.S#	S.#	Author_1	Author_2	Author_3	Author_4	Title	Edition	Published by	Year	Remarks
FACULTY OF AGRICULTURE										
<b>DEPARTMENT OF AGRI. ENTOMOLOGY</b>										
1.	1	Anjum S.	Sohail A.			A work book of Agriculture and Environmental Pollution		University Press.	2006	
<b>DEPARTMENT OF PLANT PATHOLOGY</b>										
2.	2	Wahid A.	M.A. Khan			A Textbook on "Viruses, Bacteria and Thalloid Organisms		Higher Education Commission Press, Islamabad	2006	
<b>DEPARTMENT OF CROP PHYSIOLOGY</b>										
3.	1	Dr. Argashev Abdollo Jon				Effect of U.V. radiation on physiological and biochemical processes in plants in high mountain conditions. Dushanbe			2006	
4.	2	Shahzad M.A. Basra	M. Farooq	N. Ahmad	M.A. Cheema	Rice Management: Pakistan Perspective.		UAF	2006	
<b>DEPARTMENT OF AGRONOMY</b>										
5.	1	Asif T.	A. Khaliq	Asghar A	M. Azam	Weed Science Research in Pakistan			2005	
6.	2	Ashiq, M.	A. Zahid			Jarri Booti Mar Zehron Ka Moassar Istemal.			2005	
FACULTY OF AGRI. ENGG. AND TECHNOLOGY										
Department of Water Management										
<b>DEPARTMENT OF IRRIGATION AND DRAINAGE</b>										
7.	1	Dr. M. Rafique				A text book of irrigation and drainage practices for Agriculture Revised		University of Agriculture, Faisalabad.	2006	
8.	2	Nafees, A.	Zia R.	Shujat A	Nazir A.	Insemination in livestock and reproductive health	1st	Press Market Faisalabad	2006	Urdu
INSTITUTE OF SOIL AND ENVIRONMENTAL SCIENCES										

T.S#	S.#	Author_1	Author_2	Author_3	Author_4	Title	Edition	Published by	Year	Remarks
9.	1	Ghafoor, A.,	Ghulam M.	Iqrar H.		Fundamentals of scientific communications and presentations		University of Agriculture, Faisalabad.	2006	
<b>FACULTY OF VETERINARY SCIENCES</b>										
<b>DEPARTMENT OF VETY. ANATOMY</b>										
10.	1	Qureshi, A.S.	Chaudhry, M.N.			Illustrated Veterinary Histology	2nd	Mass Publisher, Faisalabad.	2006	
11.	2	Qureshi, A.S.	R.U. Shahid	S. Rehan		Text Book of Veterinary Anatomy for Livestock Diploma Assistance		Directorate of Livestock & Dairy Development, Lahore.	2006	Urdu
<b>DEPARTMENT OF CLINICAL MEDICINE &amp; SURGERY</b>										
12.	1	Iqbal ,Z.	A. Jabbar	G. Muhammad	M.N. Khan	56 Knowledge and their indigenous uses in Animals. In: Govil, J. N. (Ed.) recent progress in Medical plant			2006	Chapter shared PP-507-551
13.	2	Rao. Z.A.	Z. Iqbal	M.N. Khan	A. Jabbar	Ilm-e-Tufailiat	1st	Al-Rafiq Afzali Printing Press, Faisalabad.	2006	Urdu
14.	3	Iqbal Z.	Sohail, S.	A. Jabbar	Zahid A.R	Technical in Parasitology	1st	D.G. Administration, HEC Islamabad, Pakistan.	2006	
<b>DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY</b>										
15.	1	Muhammad F	Riviere J.E.			In vivo models in Dermal absorption models in toxicology and pharmacology editor		CRC Taylor and Francis Publishing Florida	2006	
<b>DEPARTMENT OF VETERINARY PARASITOLOGY</b>										
16.	1	Rao, Z.A.	Z. Iqbal	M.N. Khan	A. Jabbar	Ilm-e-tufailiat,	1 <sup>st</sup>	Afzali Printing Press	2006	
17.	2	Iqbal, Z.A	A. Jabbar	G. Muhammad	M.N Khan	Traditional Knowledge and their indigenous uses in animals.	Vol 15	Stadium Press L.LC	2006	
18.	3	Iqbal Z.	Sajid, M.S.	A. Jabbar	Khan M.N	A textbook of Techniques in Parasitology.		HEC	2006	
<b>FACULTY OF ANIMAL HUSBANDRY</b>										
<b>DEPARTMENT OF POULTRY HUSBANDRY</b>										
19.	1	Haq, A.				Practical Poultry Forming		UAF.	2006	Urdu
<b>DEPARTMENT OF LIVESTOCK MANAGEMENT</b>										

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20.	1	Virk, M.R.	Hassan R.	Lateef M.	Yaqoob M.	Principles and Practices in livestock		Pak TM Printers Street No.6, Munshi Mohallah, Aminpur Bazar, Fsd.	2006	
21.	2	Bilal, M.Q.	M. Suleman			Camel Production	1st	Al-Bagdad Printers & Publishers, Faisalabad.	2006	
22.	3	Younas, M.				Overall view of Animal Husbandry		Urdu Bazar Lahore	2006	Chap.33
23.	4	Younas, M.				Sustainable Livestock Production		Urdu Bazar Lahore	2006	Chap. 38
24.	5	Younas, M.				New Frontiers in Handling Animal Wastes		Urdu Bazar Lahore	2006	Chap. 67
25.	6	Younas, M.				Food and Environment		Urdu Bazar Lahore	2006	Chapt 76
26.	7	Bukht B.	Khan	M. Yaqoob	M. Iqbal	Livestock Management Manual		University of Agriculture, Faisalabad.	2006	
27.	8	M. Riaz	S.H. Raza	M. Lateef	M. Yaqoob	Principles and Practices in Livestock		University of Agriculture, Faisalabad.	2006	
28.	9	Bilal, M.Q.	A. Haq	M. Suleman		Sheep and Goat farming		University of Agriculture, Faisalabad.	2006	
29.	10	Bilal, M.Q.	Suleman			Camel production		Al-Baghdad Printer Publishers	2006	
30.	11	Bilal, M.Q.	A. Haq			Sheep and goat farming Agriculture Digest			2006	
31.		Haq, A.M.Q	Bilal	S. Rehman		Poultry Farm Management Agriculture Digest			2006	
<b>INSTITUTE OF ANIMAL NUTRITION &amp; FEED TECHNOLOGY</b>										
32.	1	Mehr un Nisa	Sarwar M.			Advance Feed technology for Animals		Friends Science Publishers, 399-B, Peoples Colony No.1, Faisalabad.	2006	
<b>FACULTY OF SCIENCES</b>										
<b>DEPARTMENT OF CHEMISTRY</b>										
33.	1	Munir H.	Bhatti, H.N.			Chemistry for 12 the class syllabus		Friends Book Depot Faisalabad and Awais Book Centre Urdu Bazar lahore Pakistan	2005-06	

T.S#	S.#	Author_1	Author_2	Author_3	Author_4	Title	Edition	Published by	Year	Remarks
34.	2	Munir H.	Bhatti, H.N.			Ahad objective chemistry Class F.Sc. Part II		Friends Book Depot Faisalabad and Awais Book Centre Urdu Bazar lahore Pakistan	2005-06	
35.	3	Munir H.	Bhatti, H.N.			Ahad objective chemistry Class F.Sc. Part I		Friends Book Depot Faisalabad and Awais Book Centre Urdu Bazar lahore Pakistan	2005-06	
36.	4	Bhatti, H.N.	K. Hussain			Principles of Physical Chemistry		Carwan Book House, Lahore, Pakistan.	2005-07	
37.	5	Bhatti, H.N.				Inorganic Chemistry		Carwan Book House, Lahore, Pakistan.	2005-07	
38.	6	Bhatti, H.N.				Inorganic Chemistry	1st	Carwan Book House, Lahore, Pakistan.	2006	
39.	7	Bhatti, H.N.	B.A. Nasir			Modern Inorganic Chemistry	2nd Ed.	Carwan Book House, Lahore, Pakistan.	2006	
40.	8	Bhatti, H.N.				Test your Chemistry		Carwan Book House, Lahore, Pakistan.	2006	
41.	9	Munir H.	Bhatti, H.N.			Chemistry for 11th class syllabus		Friends Book Depot Faisalabad and Awais Book Centre Urdu Bazar lahore Pakistan	2006-07	
<b>DEPARTMENT OF COMPUTER SCIENCE</b>										
42.	1	Tasleem M,	T. Mahmood	Abid M.	A.R. Sattar	Visual Programming Using visual basic		Kitab Markaz, Faisalabad, Pakistan.	2006	
43.	2	T. Mahmood	A.R. Sattar	Imran Saeed	Zaheer A.	VEB programming		IT Publishers Faisalabad, Pakistan.	2006	
<b>DIRECTORATE OF RESEARCH</b>										
44.	1	Ghafoor A.	A. Naveed	A. Rashid		Farmers Friendly Technologies (1961-2005)	1st	University of Agriculture, Faisalabad	2006	Compiled
45.	2	Ghafoor A.	A. Naveed	A. Rashid		Postgraduate Research (Glimpses) (2961-2005)	1st	University of Agriculture, Faisalabad	2006	Compiled
46.	3	Ghafoor A.	A. Rashid	A. Naveed		Proceedings of World Food Day October 16, 2004	1st	University of Agriculture, Faisalabad	2006	Compiled
47.	4	Ghafoor A.	A. Rashid	A. Naveed		Priority Areas of Research (2005-2006)	1st	University of Agriculture, Faisalabad	2006	Compiled

T.S#	S.#	Author_1	Author_2	Author_3	Author_4	Title	Edition	Published by	Year	Remarks
48.	5	Ghafoor A.	A. Rashid	A. Naveed		Research Consummations of Punjab Agricultural College and Research Institute, Lyallpur (1906-1960)	1st	University of Agriculture, Faisalabad	2006	Compiled
49.	6	Ghafoor A.	A. Rashid	A. Naveed		Research Consummations of University of Agriculture, Faisalabad 1961-2005	1st	University of Agriculture, Faisalabad	2006	Compiled
50.	7	Ghafoor A.	A. Rashid	A. Naveed		Bibliography of Scientific Publications (1961-2005)	1st	University of Agriculture, Faisalabad	2006	Compiled
<b>DEPARTMENT OF RURAL HOME ECONOMICS</b>										
51.	1	Nighat, B.				Glossary of Nutrition Terms Dogar Unique Books		Urdu Bazar Lahore	2006	

**LIST OF LABORATORY MANUALS PUBLISHED BY THE TEACHERS AT NATIONAL/ INTERNATIONAL LEVEL**

UNIVERSITY OF AGRICULTURE, FAISALABAD

T.S.#	S.#	Author_1	Author_2	Author_3	Author_4	Title	Edition	Published by	Year	Remarks
FACULTY OF ANIMAL HUSBANDRY										
<b>DEPARTMENT OF LIVESTOCK MANAGEMENT</b>										
1.	1	Khan, B.B.	M. Yaqoob	M. Riaz	M. Younas and A. Iqbal	Livestock Management Manual for II.		Pak T.M. Printers, Amin Pur Bazar, Faisalabad.	2006	
FACULTY OF ENGINEERING AND TECHNOLOGY										
2.	1	Bhatti H.N.	Hussain K.			Physical chemistry Lab. Manual		Caravan Book House Lahore	2006	

**LIST OF TECHNICAL REPORTS PUBLISHED BY THE TEACHERS AT NATIONAL/ INTERNATIONAL LEVEL 2006**

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T.S.#	S.#	Author_1	Author_2	Author_3	Author_4	Title	Edition	Published by	Year	Remarks
INSTITUTE OF SOIL AND ENVIRONMENTAL SCIENCES										
1	1	Ghafoor, A.	G. Murtaza			Farmer participation in technology development and transfer for using agricultural drainage water for growing grain crops during reclamation of saline sodic soils		University of Agriculture, Faisalabad.	2006	
DEPARTMENT OF COMPUTER SCIENCE										
1	1	Qamar M.Din	Hammad B.	Tariq A.		The impact of domestic support on Punjab's (Pakistan) Agriculture under WTO Regime		University of Agriculture, Faisalabad	2006	
FACULTY OF AGRI. ENGG. AND TECHNOLOGY										
DEPARTMENT OF STRUCTURES AND ENVIRONMENTAL ENGINEERING										
1	1	Faizan H.K	Ahmad S.	Abdul N.	Haroon R.	Environmental engineering laboratory		University of Agriculture, Faisalabad	2006	
2	2	Faizan H.K	Ahmad S.	Abdul N.	Haroon R.	Material testing laboratory		University of Agriculture, Faisalabad	2006	
3	3	Faizan H.K	Ahmad S.	Abdul N.	Haroon R.	Mechanics of material laboratory		University of Agriculture, Faisalabad	2006	
4	4	Faizan H.K	Ahmad S.	Abdul N.	Haroon R.	Surveying laboratory		University of Agriculture, Faisalabad	2006	
5	5	Faizan H.K	Ahmad S.	Abdul N.	Haroon R.	Auto cad laboratory		University of Agriculture, Faisalabad	2006	
DIRECTORATE OF RESEARCH										
1		Dr. M. Zargham Khan	Dr. A. Rashid	Dr. Amir Jamil		Annual Report of University of Agriculture, Faisalabad. 2005-2006		University of Agriculture, Faisalabad.	2006	

**LIST OF BOOKS PUBLISHED BY THE TEACHERS AT NATIONAL/ INTERNATIONAL LEVEL 2007-08**

UNIVERSITY OF AGRICULTURE, FAISALABAD

S.#	Author_1	Author_2	Author_3	Author_4	Title	Edition	Published by	Year	Remarks
FACULTY OF AGRICULTURE									
<b>DEPARTMENT OF PLANT BREEDING &amp; GENETICS</b>									
1.	Takaki Yamauchi, Zenpei Shimatani	N. Ahmed, Hiroko Urawa	Kazuo Tsugane, Rie Terada	Shigeru Iida	Homologous recombination-dependent gene targeting and an active DNA transposon nDart-promoted gene tagging for rice functional genomics		H.Y. Hirano <i>et al.</i> (eds.). Rice biology in the genomics Era. 81 Springer-Verlag, Berlin, Heidelberg.	2008	International
<b>DEPARTMENT OF AGRI. ENTOMOLOGY</b>									
1.	Suhail, A.	M. Asgher	M. Arshad		Insect faunal. Biodiversity associated with Rice in Pakistan with particular reference to Rice Black Bug, RICE BLACK.BUG Taxonomy, Ecology, and Management of Invasive Species.		Edt. Joshi, R. C., A. T. Barrion and L. S. Sebastian p: 643-652. ISBN 978-971-9081-39-5	2007	
2.	Yousuf, M.	M. Tayyib	Shazia		Manual of Introductory Entomology.			2007	
3.	Yousuf, M.	Shazia	M. Tayyib		Classification Nomenclature and order of insects.			2007	
4.	Akram, W.				Insect Taxonomy			2007	(In Progress)
<b>DEPARTMENT OF FORESTRY, RANGE MANAGEMENT AND WILDLIFE</b>									
1.	M. T. Siddiqui	Prof. Roger Sands	Amer H. Shah		Glossary of Forestry Terms		Pulweshay Publishers Faisalabad	2008	
<b>DEPARTMENT OF AGRONOMY</b>									
1.	Cheema, Z.A.	M. Farooq			Agriculture in Pakistan: Ideological and Pragmatic Perspective		Allied Book Centre, Urdu Bazar Lahore, Pakistan.	2008	



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INSTITUTE OF HORTICULTURAL SCIENCES									
1.	Khan, I.A				Citrus Genetics, Breeding and Biotechnology		CAB International, UK	2007	
2.	Khan, I.A	W.J. Kender			Citrus breeding. In: Khan, I. (ed.)		CAB International, UK.	2007	
3.	Jaskani, M.J.	M. Omura and	I.A. Khan.		Cytogenetics. In: Khan, I. (ed.) Citrus Genetics, Breeding and Biotechnology		CAB International, UK. pp. 151-166.	2007	
INSTITUTE OF SOIL AND ENVIRONMENTAL SCIENCES									
1.	Khan, A.U.H.	R. Lal			Potential for carbon sequestration in soils of Afghanistan and Pakistan.			2007	
2.	Lal, R., M. Suleimenov	B.A. Stewart, D.O. Hansen	P. Doraiswamy (Eds.)		Potential for carbon sequestration in soils of Afghanistan and Pakistan.		Balkema / Taylor and Franacis, Holland. P.235-250 (Book/Chapter published)	2007	
FACULTY OF VETERINARY SCIENCES									
<b>DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY</b>									
1.	Muhammad, F.	Riviere, J.E.			Dermal Toxicity. In: Veterinary Toxicology: Basic and Clinical Principles		Elsevier Inc., San Diego, California, U.S.A.	2007	
<b>DEPARTMENT OF ANATOMY</b>									
1.	Qureshi A. S.	M.N. Chaudhry			Illustrated Veterinary Histology and Colour Atlas	2 <sup>nd</sup>	Department of Anatomy, University of Agriculture, Faisalabad	2007	
2.	Qureshi, A. S.	R. U. Shahid	S. Rehan,		Text book of Veterinary Anatomy		Department of Anatomy, University of Agriculture, Faisalabad	2007	
FACULTY OF ANIMAL HUSBANDRY									
<b>DEPARTMENT OF LIVESTOCK MANAGEMENT</b>									
1.	Khan, B.B.				Health & Husbandry of Dairy Animals		Pak T.M. Printers Faisalabad.	2008	
2.	Bilal, M.Q				On Farm Research and Technology Transfer Activities at Toba Tek Singh		University of Agriculture Faisalabad.	2008	

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INSTITUTE OF ANIMAL NUTRITION & FEED TECHNOLOGY									
1.	Khan, B.B				Health & Husbandry of Dairy Animals		Pak T.M. Printers Faisalabad	2008	
2.	Bilal, M.Q.				Livestock Management related technologies; contributed A chapter in the book entitled On Farm Research and Technology Transfer Activities at Toba Tek Singh, University of Agriculture Faisalabad.		University of Agriculture Faisalabad.	2008	
DIVISION OF EDUCATION & EXTENSION									
<b>DEPARTMENT OF AGRI. EXTENSION</b>									
1.	Sher Muhammad				Communication Skills & Leadership Development		Unitech Communication, Faisalabad.	2007	
FACULTY OF SCIENCES									
<b>DEPARTMENT OF CHEMISTRY</b>									
1.	Bhatti, H.N.	K. Hussain			Principles of Physical Chemistry		Carwan Book House, Lahore, Pakistan.	2005-07	
2.	Bhatti, H.N.				Inorganic Chemistry		Carwan Book House, Lahore, Pakistan.	2005-07	
3.	Munir H.	Bhatti, H.N.			Chemistry for 11th class syllabus		Friends Book Depot Faisalabad and Awais Book Centre Urdu Bazar Lahore Pakistan	2006-07	
4.	Bhatti, H.N.	K. Hussain			Principles of Physical Chemistry		The Caravan Book House, Lahore	2007	
5.	Bhatti, H.N.				Test Your Chemistry		The Caravan Book House, Lahore	2008	
6.	Bhatti, H.N.	B.A. Nasir			Modern Inorganic Chemistry		The Caravan Book House, Lahore	2008	
<b>DEPARTMENT OF COMPUTER SCIENCE</b>									
1.	Tasleem M.				Business IT D Com Part I		Kitab Markaz, Faisalabad.	2007	
2.	Tasleem M.				Computer Application in Business		Kitab Markaz, Faisalabad.		

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<b>DEPARTMENT OF BOTANY</b>									
1.	Abdelly, C.	M. Ozturk	M. Ashraf	C. Grignon	Biosaline Agriculture and High Salinity Tolerance		Birkhauser Verlag AG, Basel, Switzerland	2008	
<b>NATIONAL INSTITUTE OF FOOD SCIENCE AND TECHNOLOGY</b>									
1.	Awan, J.A.				Elements of food and nutrition		Unitech Communications, Faisalabad.	2007	
2.	Butt, M.S.	F.M. Anjum	A. Asghar				Food Additives: A Comprehensive Treatise. (In press)	2008	
<b>DIRECTORATE OF RESEARCH</b>									
1.	Ghafoor A.	A. Rashid	A. Naveed		Promotion of Research		University of Agriculture, Faisalabad.	2008	
<b>SUB CAMPUS T.T. SINGH</b>									
1	Imran, S.	Z. Rehman			The colour Atlas of gross pathology of avian diseases	1 <sup>st</sup>		2007	

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<b>DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY</b>									
1.	Zia-ur-Rehman	B. Aslam	I.H. Javed		Physiological Chemistry		University of Agriculture, Faisalabad	2007	
2.	Zia-ur-Rehman	B. Aslam	J.A. Khan	T. Khaliq	Physiology-I	2 <sup>nd</sup>	University of Agriculture, Faisalabad	2007	
3.	Zia-ur-Rehman	B. Aslam	J.A. Khan	T. Khaliq	Physiology-II	2 <sup>nd</sup>	University of Agriculture, Faisalabad	2007	

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FACULTY OF AGRICULTURE									
<b>DEPARTMENT OF PLANT BREEDING &amp; GENETICS</b>									
1.	Iftikhar Ahmad Khan				Molecular Characterization of available Germplasm of Wheat in Pakistan		Final Technical Report, University of Agriculture, Faisalabad	2007	ALP funded project
2.	Muhammad Saleem				DNA Markers for Wilt ( <i>Fusarium Oxysporum</i> ) Resistant Genes in Chickpea		Final Technical Report, University of Agriculture, Faisalabad	2007	ALP funded project
<b>DEPARTMENT OF AGRI. ENTOMOLOGY</b>									
1.	Sohail Ahmad				Development of integrated pest management of subterranean termites in Agro-Ecosystem		Final Technical Report, University of Agriculture, Faisalabad	2007	ALP funded project
2.	Muhammad Ashfaq				Multiplication of <i>Chrysoperla Carnea</i> as Bio-control agent in integrated pest management		Final Technical Report, University of Agriculture, Faisalabad	2007	HEC funded project
INSTITUTE OF SOIL AND ENVIRONMENTAL SCIENCES									
1.	Muhammad Arshad (T.I)				Recycling of Organic Wastes for Sustainable Crop Productivity Umbrella Project University of Agriculture, Faisalabad- Component-I.		Final Technical Report, University of Agriculture, Faisalabad	2005	ALP funded project
2.	Javaid Akhtar				National Coordinated Project on Management of Salt Affected Soils and Brackish Water in Pakistan - Umbrella Project (Uni. of Agri. Faisalabad- Component-III)		Final Technical Report, University of Agriculture, Faisalabad	2006	ALP funded project
3.	Muhammad Yaseen				Evaluation and formulation of calcium carbide based soil amendment for improving crop production		Final Technical Report, University of Agriculture, Faisalabad	2007	ALP funded project

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FACULTY OF AGRI. ECONOMICS & RURAL SOCIOLOGY									
<b>DEPARTMENT OF ENVIRONMENTAL AND RESOURCE ECONOMICS</b>									
114	Bashir Ahmad				Determination of Profitability and Efficient Production Packages for Various Vegetables		Final Technical Report, University of Agriculture, Faisalabad	2005	ALP funded project
<b>DEPARTMENT OF MARKETING AND AGRI. BUSINESS</b>									
1.	Qamar Mohy-ud-Din				The Impact of domestic support on Punjab's (Pakistan) Agriculture under WTO Regime		Final Technical Report, University of Agriculture, Faisalabad	2004	ALP funded project
2.	Khalid Mustafa				Impact of Sanitary and Phytosanitary (SPS) Agreement on Agricultural Exports from Pakistan		Final Technical Report, University of Agriculture, Faisalabad	2007	ALP funded project
FACULTY OF VETERINARY SCIENCES									
<b>DEPARTMENT OF CLINICAL MEDICINE &amp; SURGERY</b>									
1.	Muhammad, G.				Preliminary Studies on the Efficacies of Locally Prepared Staphylococcus aureus Vaccines in the Control of Mastitis in Dairy Buffaloes		Final Technical Report, University of Agriculture, Faisalabad	2004	ALP funded project
<b>DEPARTMENT OF VETERINARY PARASITOLOGY</b>									
1.	Masood Akhtar				Immunobiology and Immunoprophylaxis of Coccidiosis in Chickens		Final Technical Report, University of Agriculture, Faisalabad	2005	ALP funded project
2.	Zafar Iqbal				Screening nematode populations of Sheep and Goats for development of Anthelmintic Resistance against commonly used anthelmintics on Government Livestock Farms of NWFP and Punjab (Pakistan)		Final Technical Report, University of Agriculture, Faisalabad	2007	ALP funded project
3.	Masood Akhtar				Development and Molecular Characterization of Gametocyte Vaccine(s) (local isolate) against Avian Coccidiosis		Final Technical Report, University of Agriculture, Faisalabad	2006	PSF funded project

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<b>DEPARTMENT OF VETERINARY PATHOLOGY</b>									
1.	M. Tariq Javed				Epidemiological and Pathological study on tuberculosis in food animals and its association with human infection		Final Technical Report, University of Agriculture, Faisalabad	2007	PSF funded Project
<b>DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY</b>									
<b>DEPARTMENT OF ANIMAL REPRODUCTION</b>									
1.	Laeq Akbar Lodhi				Studies on Co-culture system Buffalo Embryos		Final Technical Report, University of Agriculture, Faisalabad	2006	PSF funded project
<b>DEPARTMENT OF ANATOMY</b>									
1.	Anas Sarwar				Effect of Different Weaning Protocols on the Immune system in Buffalo Calves and Prophylactic Application of Levamisol		Final Technical Report, University of Agriculture, Faisalabad	2005	PSF funded project
FACULTY OF ANIMAL HUSBANDRY									
<b>DEPARTMENT OF LIVESTOCK MANAGEMENT</b>									
1.	Muhammad Iqbal Mustafa				A comparison of concentrate and fodder based finishing diets on the performance, carcass composition and meat quality of Lohi and Sipli lambs		Final Technical Report, University of Agriculture, Faisalabad	2007	ALP funded project
<b>DEPARTMENT OF ANIMAL BREEDING &amp; GENETICS</b>									
1.	Safdar Ali				Genetic Characterization of Native Cattle and Buffalo Breeds of Pakistan		Final Technical Report, University of Agriculture, Faisalabad	2007	ALP funded project
DIVISION OF EDUCATION & EXTENSION									
<b>DEPARTMENT OF AGRI. EDUCATION</b>									
1.	Sher Muhammad				An in-depth analysis of the Electronic Media for the development of a strategy to enhance their role in Agricultural Technology Transfer in the Punjab, Pakistan		Final Technical Report, University of Agriculture, Faisalabad	2007	HEC funded project

S.#	Author_1	Author_2	Author_3	Author_4	Title	Edition	Published by	Year	Remarks
2.	Toheed Elahi Lodhi				An In-depth analysis of Conventional and Modern Agricultural information Sources for the Development of a strategy to Promote cyber Extension Environment in the Punjab, Pakistan as Perceived by Stakeholders		Final Technical Report, University of Agriculture, Faisalabad	2007	HEC funded project
3.	Tanvir Ali				Analysis of the obstacles to gender mainstreaming in agricultural decision-making and extension work, in the Punjab, Pakistan		Final Technical Report, University of Agriculture, Faisalabad	2008	HEC funded project
<b>WATER MANAGEMENT RESEARCH CENTRE</b>									
1.	Niaz Ahmad Rai				Management aspects of surface and groundwater resources for irrigated areas		Final Technical Report, University of Agriculture, Faisalabad	2007	ALP funded project
<b>FACULTY OF SCIENCES</b>									
<b>DEPARTMENT OF ZOOLOGY &amp; FISHERIES</b>									
1.	Iftikhar Ahmed				Studies on Tilapia Culture through Controlled Breeding in Saline Areas		Final Technical Report, University of Agriculture, Faisalabad	2005	ALP funded project
<b>DEPARTMENT OF BUSINESS MANAGEMENT SCIENCES</b>									
1.	Qamar Mohy- ud-Din				The Impact of Domestic Support to Punjab's Agriculture under WTO Regime		Final Technical Report, University of Agriculture, Faisalabad	2006	ALP funded project
<b>DEPARTMENT OF MATHEMATICS &amp; STATISTICS</b>									
1.	Muhammad Inayat Khan				Strengthening of Design and Analysis Capabilities in the National Agricultural Research System (NARS)		Final Technical Report, University of Agriculture, Faisalabad	2007	ALP funded project
<b>FACULTY OF AGRI. ENGINEERING AND TECHNOLOGY</b>									
<b>DEPARTMENT OF IRRIGATION &amp; DRAINAGE</b>									
1.	M. Rafiq Ch.				Testing and evaluation of control structure alternatives for irrigation channels		Under Agricultural Linkages Program (ALP) funded Project	2007	Final Technical Report
<b>INSTITUTE OF ANIMAL NUTRITION &amp; FEED TECHNOLOGY</b>									
1.	Muhammad Sarwar				Influence of Altering Dietary Cation Anion Difference on Productive and Reproductive Efficiency of Buffaloes		Final Technical Report, University of Agriculture, Faisalabad	2007	ALP funded project

S.#	Author_1	Author_2	Author_3	Author_4	Title	Edition	Published by	Year	Remarks
<b><i>NATIONAL INSTITUTE OF FOOD SCIENCE &amp; TECHNOLOGY</i></b>									
1.	Masood Sadiq Butt				Utilization of Rice Industrial Wastes for Oil Extraction and value Added Produces		Final Technical Report, University of Agriculture, Faisalabad	2007	HEC funded project