H. Anwar Ahmad

JSU Box 18540, Jackson State University, 1400 JR Lynch Street, Jackson, MS 39217 USA
Office: (601) 979-4048, Fax (601) 979-5853
Website: http://www.jsums.edu/biostat, http://biostat.uvas.edu.pk, e-mail: hafiz.a.ahmad@jsums.edu

EDUCATION	**Michigan State University**
	Ph.D., 1994, Animal Science
	Troy University
	MS, 2005 Computer and Information Systems
	Auburn University
	MBA 1998, Business Administration
	University of Agriculture Faisalabad Pakistan
	MSc (Hons) 1987, Animal Nutrition
	BSc (Hons) 1985, Animal Husbandry
PROFESSIONAL	Bioinformatics, NIH-National Center for Biotechnology Information, 2005
TRAINING	Risk Analysis, USDA, 1999
	Teaching Methodology IATP, UK, 1988
	Recombinant DNA Technology, UNDP, 1987
	American History Course American Center, Pakistan, 1986
	Computer Programming, Punjab University, 1986
	Diploma in International Affairs (visitor), Punjab University, 1986
	Feed Microscopy, American Soybean Association, 1984
EXPERIENCE	**Jackson State University** Department of Biology
4/07 to present	Associate Professor Biostatistics
	Manager Biostatistical Support Unit
11/10 to present	Director Biostatistical Consulting Center
	Tuskegee University College of Veterinary Medicine‑Center for Computational
	Epidemiology, Bioinformatics and Risk Analysis
5/06 to 09/06	Research Associate Professor
6/98 to 5/06	Research Assistant Professor
	Visiting Scholar, Higher Education Commission Pakistan
	Consultant, American Soybean Association
	Visiting Faculty, Lahore University of Management Sciences
6/03 to 3/07	Adjunct Faculty, Troy University
8/06 to 10/06	Adjunct Faculty AT Still University
	Auburn University Poultry Science Department
8/96 to 6/98	Instructor, Business Statistics
1/94 to 8/96	Post Doctoral Research Scientist, Poultry Science
9/89 to 8/93	**Michigan State University** Department of Animal Science
	Teaching and Research Assistant
1/88 to 8/89	**University of Arid Agriculture** Rawalpindi Pakistan
	Lecturer, Animal Science
6/85 to 12/87	**University of Veterinary and Animal Sciences**, Lahore Pakistan
	PARC-Research Fellow

GRANTSMANSHIP
1. **Ahmad, H.A. PI, 2011.** Developing Food Safety and Risk Analysis Resources in Pakistan. Submitted to USDA-International Science Education. Grant tracking no. GRANT10782713.
2. **Ahmad, H.A. PI, 2010.** Establishing Biostatical Consulting Center in Pakistan. US Department of State-HEC, **Awarded, $338,406 for 2010-2013.**
3. **Ahmad, H.A. PI, 2009.** Broiler growth prediction modeling with simulations and neural networks. Submitted to USDA-CSREES-AFRI-Animal growth and nutrient utilization (CFDA 10.310). Grant tracking no. GRANT10371447.
4. **Ahmad, H.A. PI, 2008**. Egg production modeling using simulation and artificial intelligence methodologies. Submitted to NSF-Statistics (1269)**.**
5. **Ahmad, H.A. PI, 2008.** Determination of Broiler Growth and Critical Nutrient Requirements using Artificial Intelligence Models. Submitted to USDA-CSREES. National Research Initiative: Animal Growth and Nutrient Utilization (10.206). Grant tracking no. GRANT00469275.
6. **Ahmad, H.A. Faculty Manager, 2008.** Center for Environmental Health-Biostatistical Support Unit. National Institutes of Health-RCMI, **Awarded $808,539 for 2008-13.**
7. **Ahmad, H.A.PI, 2006.** Risk Assessment of Antimicrobial Resistance of *Salmonella* and *Campylobacter* Isolates from Meat and Poultry Products. Submitted to Alabama Agriculture Land Grant Alliance (AALGA).

RISK ANALYSIS	Epidemiological Survey of Cancer Incidence in Minority Population
	Foot and Mouth Disease via Cheese Imports
	Salmonella enteritidis in Shell Eggs
	Citrus Canker via Uruguayan Citrus Imports
	Bovine Spongiform Encephalapothy (BSE)
	Foot and Mouth Disease via Brazilian Beef Imports
COMPUTER SKILLS	*Application Software:* Statistical Analysis (SAS, SPSS, Statview), MS Office, Corel Suite, Database Management, Neural Networks, Modeling (@Risk, Stella), Feed Formulation (Brill, AgriData)
	Programming Languages: QBasic, C++, HTML, LISP, Visual Basic, Java, XML, Systems*:* PC, UNIX, Macintosh, Networks
HONORS	Board of Scientific Reviewers, American Veterinary Medical Association 2005-2007
	Outstanding MBA Team Case Analysis, Auburn University
	Outstanding Graduate Student, MSU 1990-91
	Rotary International Freedom from Hunger Scholarship for Ph.D. 1989-92
	University Standing and Silver Medal in MS, University of Agriculture, Faisalabad-Pakistan
	Pakistan Agriculture Research Council Fellowship

TEACHING

	BIO 101 Introduction to Biology	**Jackson State University**
	BIO 202 Elementary Biostatistics	
	BIO 511 Biostatistics	
	BIO 711 Applied Environmental Statistics	
	MHA 810 Healthcare Finance (online)	**AT Still University**

PATH 664 Medical Statistics	**Tuskegee University**
PATH 699 Risk Analysis and Modeling	
CSCI 0150 Introduction to Computer Science	
CSCI 0210 Programming I	
BIO 1100 Principle of Biology <u>(40 times)</u>	**Troy University**
CSC 324, CSC 111, CSC 112, CSC 113,	**Tourou University**
CSC 425, FIN 402, FIN 501, FIN 502. (Online)	**International**
MN 301 Business and Economic Statistics	**Auburn University**
CS 332 Introduction to Experts Systems	**Lahore University of**
CS 333 Neural Networks	**Management Science**
Introduction to Animal Science	**University of Arid**
Introduction to Poultry Science	**Agriculture,**
Range Management Science	**Rawalpindi Pakistan**

SERVICE   External Examiner for PhD thesis, University of Agriculture, Faisalabad, Pakistan. May, 2011
Reviewer, Elsevier-Computers and Electronics in Agriculture
Reviewer, Poultry Science Association (J. Poultry Sci., and J App. Poultry Res.)
Reviewer, Journal of Science and Technology
Reviewer, Pakistan Journal of Zoology
Reviewer, Society for Risk Analysis
Editorial Review Board, American Veterinary Medical Assoc., 2005-07
External Examiner, for PhD thesis University of Vet. & Ani. Sciences, Lahore Pakistan
CSET-Grievance Committee, 2010-
JSU-Department of Biology-Evaluation Committee Chair, 2007-
JSU-Department of Biology-Seminar Committee, 2010-2011
JSU-Department of Biology-Search Committee, 2007-09

WORKSHOPS

Experimental Data Analysis using SAS. University of Veterinary and Animal sciences, Lahore Pakistan, July 18-23, 2011.
Experimental Design and Data Analysis. University of Veterinary and Animal sciences, Lahore Pakistan, March 16-18, 2011.
Research Methodologies using Statistical Techniques in Biological sciences, University of Veterinary and Animal sciences, Lahore Pakistan, January 3-8, 2011.
Experimental Design and Data Analysis using SAS, Jackson State University, Mississippi, July 17, 2009.
Risk Assessment, Tuskegee University, December 2-4, 2001
Risk Assessment, Tennessee State University, 2000

BOOK REVIEW [Handbook on Import Risk Analysis for Animals and Animal Products](#),
Journal of the American Veterinary Medical Association, March 15, 2005,
Vol. 226, No. 6, Pages 889-895

JOURNAL PUBLICATIONS

1. Akil, L., **H.A. Ahmad**, 2011. Relationships between Obesity and Cardiovascular Diseases in Four Southern States and Colorado. Journal of Health Care for the Poor and Underserved 22: 62-73

2. Mahmud, O., Dates, C., Akil, L., and **Ahmad, H. A**., 2011. HIV and Tuberculosis in the United States and Select Sub-Saharan Africa Countries. International Journal of Environmental Research and Public Health 8: 2524-2532 (PMID: 21776244: PMCID: PMC3138039

3. Garner, J.A., Ahmad, H.A. and Dacus, C.M., 2011. Soil Resource Area Affects Herbivore Health. International Journal of Environmental Research and Public Health 8: 2565-2564 (PMID: 21776246: PMCID: PMC3138041)

4. **Ahmad**, H. A, 2011**.** Egg Production Forecasting: Determining efficient modeling approaches. Journal of Applied Poultry Research (accepted: in press, manuscript ID JAPR-10-00266)

5. Akil, L., H.A. Ahmad, 2011. Effects of Socioeconomic Factors on Obesity Rates in Four Southern States and Colorado. Ethnicity and Disease, 21:58-62 (PMCID: PMC3101796 NIHMSID: NIHMS285430).

6. **Ahmad,** H.A., B. Tameru, D. Nganwa, L. Ayanwale, T. Habtemariam, R. W. Fite, 2009. Quantitative Risk Assessment of Introduction of Foot and Mouth Disease Virus into the U.S. through Cheese Importation. Journal of Veterinary and Animal Sciences (submitted)

7. **Ahmad**, H. A, 2009. Poultry Growth Modeling using Neural Networks and Simulated Data. J. Appl. Poultry Res. 18:440-446

8. **Ayanwale**, L., Moorer, E., Shaw, H.., Habtemariam, T., Blackwell, V., Foster, P., Findlay, H., Tameru, B., Nganwa, D., **Ahmad, A.,** Beyene, G., Robnett, V, 2008. Perceptions of HIV and Prevention Education among Inmates of Alabama Prisons. American Journal of Health Studies 23: (4) 179-184

9. **Steiss**, J. E, C. Schaffer, **H. A. Ahmad**, V. L. Voith, 2007. Evaluation of plasma cortisol levels and behavior in dogs wearing bark control collars. Journal Applied Animal Behavior Science 106: (1-3) 96-106

10. **Ahmad**, H.A., M. Mariano, 2006. Comparison of Forecasting Methodologies using Egg Price as a Test Case. Poultry Science 85:798-807

11. Steiss, J., **H. A. Ahmad**, P. Cooper, C. Ledford, 2004. Physiological Responses in Healthy Labrador Retrievers during Field Trial Training and Competition. J Vet Intern Med 18:147-151

12. **Ahmad**, H.A. and R.J. Balander, 2004. Physiological Response of Layers to Alternative Feeding Regimen of Calcium Source and Phosphorus Level. International Journal of Poultry Science 3(2): 100-111

13. **Ahmad**, H.A. and R.J. Balander, 2003. Alternative Feeding Regimen of Calcium Source and Phosphorus Level for Better Eggshell Quality in Commercial Layers. J. Appl. Poultry Res. 12:509-514

14. **Ahmad**, H.A. and David A. Roland, Sr., 2003. Effect of Environmental Temperature and TSAA on Performance and Profitability of Laying Hens: An Econometric Approach. J. Appl. Poultry Res. 12:476-482

15. Roland, Sr., D.A., **H.A. Ahmad**, S.S. Yadalam, and T. Sefton, 2003. Effect of Nongenetically Modified Phytase Supplementation on Commercial Leghorns. J. Appl. Poultry Res. 12:257-263

16. **Ahmad**, H.A and David A. Roland, Sr., 2003. Effect of Method of Feeding and Formulation on Performance and Profitability of Laying Hens: An Econometric Approach. J. Appl. Poultry Res. 12:291-298

17. **Ahmad**, H.A and David A. Roland, Sr., 2003. Efficient Feeding of Molted Hens with Different Feeding and Formulation Methods. International Journal of Poultry Science 2(6): 383-388

18. **Ahmad**, H.A., S.S. Yadalam, and D. A. Roland, Sr., 2003. Calcium Requirements of Bovans Hens. International Journal of Poultry Science 2(6): 417-420

19. Habtemariam, T., B. Tameru, D. Nganwa, L. Ayanwale, **A. Ahmad**, D. Oryang, H. AbdelRahman, 2002. Epidemiologic modelling of HIV and CD4 cellular/molecular population dynamics. Kybernetes 31(9/10): 1369-1379

20. Habtemariam, T., B. Tameru, D. Nganwa, L. Ayanwale, **A. Ahmad**, D. Oryang, H. AbdelRahman, G. Gray, J. Cohen, S. Kreindel, 2002. Application of systems analysis in modelling the risk of bovine spongiform encephalopathy (BSE). Kybernetes 31(9/10):1380-1390

21. **Ahmad**, H.A., Gerry V. Dozier, and D.A. Roland, Sr., 2001. Egg Price Forecasting using Neural Networks. J. Appl. Poultry Res. 10:162-171

22. Habtemariam, T., P. Yu, D. Oryang, D. Nganwa, O. Ayanwale, B. Tameru, H. Abdelrahman, **A. Ahmad** and V. Robnett, 2001. Modelling Viral and CD4 Cellular Population Dynamics in HIV: Approaches to Evaluate Intervention Strategies. Cellular and Molecular Biology 47 (7): 1201-1208

23. **Ahmad**, H.A., D.A. Roland, Sr., M.M. Bryant, and J. Self, 1997. Effects of Increased Light and Added Methionine in Molted Hens. J. Appl. Poultry Res. 6:373-380

24. **Ahmad**, H.A., M. M. Bryant, Sevgi Kucuktas, and David A. Roland, Sr., 1997. Econometric Feeding and Management for First Cycle Phase Two Dekalb Delta Hens. Poultry Science 76:1256-1263

25. **Ahmad**, H.A., D.A. Roland, Sr., and Syed S. Sohail, 1996. Effect of Time of Feed Withdrawal and Killing before Processing on Defeathering of Spent Hens. J. Appl. Poultry Res. 5:325-329

26. **Ahmad**, A. and M.Y. Malik, 1985. Chick Growth Inhibition of Soybean Meal as Affected by Autoclaving and Water Treatments. Pakistan Journal of Scientific Research 37:65-69

ABSTRACTS/PRESENTATIONS/PROCEEDINGS

1. Luma Akil and **H. A. Ahmad**, 2011. Artificial Neural Networks: Obesity Modeling. 11th Annual Conference on Eliminating Health Disparities–Healthy Eating II: Winning the War Against Obesity, Jackson Hilton Convention Center, Jackson, Mississippi USA, October 7, 2011

2. Luma Akil and **H. A. Ahmad**, 2011. Obesity Modeling using Artificial Neural Networks (Abstract PA-37). 8th International Symposium on Environmental Health, Marriott Hotel, Jackson, Mississippi, USA, September 18-21

3. Luma Akil and **H. A. Ahmad**, 2011. Analysis of Food-Borne Related Illness and Death from Exposure to *E. coli* (Abstract PA-38). 8th International Symposium on Environmental Health, Marriott Hotel, Jackson, Mississippi, USA, September 18-21

4. Stacey May, O. Moore, L. Akil and **H. A. Ahmad**, 2011. Assessment of Body Fat Composition in an Obesity Study (Abstract PA-39). 8th International Symposium on Environmental Health, Marriott Hotel, Jackson, Mississippi, USA, September 18-21

5. Laurette Thuisseu and **H. A. Ahmad**, 2011. Racial and Ethnic Disparities in Colorectal Cancer (Abstract PA-40). 8th International Symposium on Environmental Health, Marriott Hotel, Jackson, Mississippi, USA, September 18-21

6. Turquoise Alexander and **H. A. Ahmad**, 2011. Coronary Heart Disease: Socioeconomic Patterns (Abstract PA-41). 8th International Symposium on Environmental Health, Marriott Hotel, Jackson, Mississippi, USA, September 18-21

7. Maria Smith-Dixon, A. Harris and **H. A. Ahmad.**, 2011. Breast Cancer Comparisons between African American and Caucasian Women in Southern States (Abstract PA-65). 8th International Symposium on Environmental Health, Marriott Hotel, Jackson, Mississippi, USA, September 18-21

8. **Ahmad, H.A.,** 2011. Data Modeling. **Invited Lecture.** GC University, Lahore, Pakistan. July 25, 2011

9. **Ahmad, H.A.,** 2011. Disease Modeling using Neural Networks. Faculty of Veterinary Science, University of Veterinary and Animal Sciences, Lahore, Pakistan. July 26, 2011

10. **Ahmad, H.A.,** 2011. Poultry Growth Modeling using Neural Networks. **Invited Lecture.** Faculty of Veterinary and Animal Sciences, PMAS Arid Agriculture University, Rawalpindi, Pakistan. July 28, 2011

11. **Ahmad, H.A.,** 2011. Poultry Growth Modeling using Neural Networks. **Invited Lecture.** Faculty of Animal Husbandry, University of Agriculture, Faisalabad, Pakistan. March 14, 2011

12. **Ahmad, H.A.**, and Akil, L., 2010. Effects of Socioeconomic Factors on Obesity Rates in Four Southern States and Colorado (Abstract # 09.03.02). 12th RCMI International Symposium on Health Disparities, Nashville Convention Center**,** Nashville, Tennessee, USA, December 6-9

13. **Ahmad, H.A.**, and Akil, L., 2010. Relationships between Obesity and Cardiovascular Diseases in Four Southern States and Colorado (Abstract # 09.03.03). 12th RCMI International Symposium on Health Disparities, Nashville Convention Center, Nashville, Tennessee, USA, December 6-9

14. Akil, L. and **Ahmad**, H.A., 2010. Relationships between Obesity and Cardiovascular Diseases in Four Southern States and Colorado. Jackson Heart Study Scientific Conference, Jackson Convention Center, Jackson, Mississippi, USA, September 23-24

15. Akil, L. and **Ahmad**, H.A., 2010. Effects of Socioeconomic Factors on Obesity Rates in Four Southern States and Colorado. 7th International Symposium on Environmental Health, Marriott Hotel, Jackson, Mississippi, USA, September 12-15

16. Garner, J.A., **Ahmad**, H.A. and Dacus, C.M., 2010. Soil Resource Area Affects Herbivore Health. 7th International Symposium on Environmental Health, Marriott Hotel, Jackson, Mississippi, USA, September 12-15

17. Mahmud, O., Dates, C. **Ahmad**, H.A., 2010. Recent Trends in HIV and Tuberculosis in the United States and Sub-Saharan Africa. 7th International Symposium on Environmental Health, Marriott Hotel, Jackson, Mississippi, USA, September 12-15

18. **Ahmad, H**.A., 2009. Physiological Parameter Modeling using Neural Networks. Department of Biology Seminar Series, Jackson State University, 331 John A. Peoples Building, Jackson, MS USA. October 20

19. **Ahmad, H**.A., 2009. Modeling Poultry Physiological Parameters using Neural Networks (Abstract no. 25). 98th Poultry Science Association Annual Meeting, Raleigh Convention Center, Raleigh, North Carolina, USA. July 20-23

20. **Ahmad, H**.A., 2008. Data Analysis using Analysis of Variance. **Invited Lecture**. University of Veterinary and Animal Science, Lahore, Pakistan, December 22

21. **Ahmad, H**.A., 2008. Experimental Design and Multivariate Models. **Invited Lecture**. University of Veterinary and Animal Science, Lahore, Pakistan, December 23
22. **Ahmad,** H.A., 2008. Egg Production Modeling with Neural Networks. 11th RCMI. International Symposium on Health Disparities. Sheraton Waikiki Hotel Honolulu, Hawaii, December 1 - 4
23. **Ahmad,** H.A. and T. Habtemariam, 2008. Computational Modeling for Biological Problems: Effective HAART Therapy. 11th RCMI International Symposium on Health Disparities. Sheraton Waikiki Hotel Honolulu, Hawaii, December 1 - 4
24. **Ahmad,** H.A., 2008. New Methodologies for Egg Production Moedeling. 5th International Symposium on Recent Advances in Environmental Health Research (PB-52). Marriott Hotel, Jackson, MS, USA. September 14-17
25. **Ahmad,** H.A., 2007. Broiler Growth Modeling with Neural Network using Simulated Data. Fourth International Symposium on Recent Advances in Environmental Health Research (PB-32). Marriott Hotel, Jackson, MS, USA. September 16-19
26. **Ahmad,** H.A., 2007. Neural Network Modeling of Broiler Growth with Simulated Data. **Invited Seminar.** Auburn University's Poultry Science Department, March 5
27. **Ahmad,** H.A., 2007. Modeling Approaches to Solve Biological Problems. **Invited Seminar.** Jackson State University's Department of Biology, January 16
28. **Ahmad,** H.A., T. Habtemariam, B. Tameru, D. Nganwa, L. Ayanwale, G. Beyene, 2006. Modeling broiler growth with Neural Networks using simulated data. PSA 2006 Annual Meeting, University of Alberta, Edmonton, Canada July 16-19
29. **Ahmad,** H. A. Risk Analysis with Reference to International Trade and WTO, 2005. **Invited Seminar** at University of Veterinary and Animal Sciences, Lahore Pakistan, January 8
30. **Ahmad,** H.A., T. Habtemariam, B. Tameru, G. Beyene, D. Nganwa, O. Ayanwale, V. Robnett, 2004. Effective HAART Combination Therapies for HIV/AIDS. Ninth RCMI International Symposium on Health Disparities, Marriott Waterfront, Baltimore, MD December 8-11
31. **Ahmad,** H.A., B. Tameru, G. Beyene, V. Robnett, D. Nganwa, T. Habtemariam, 2004. Multivariate Statistical Analysis of HAART Combination Therapies to Compare Efficacies in HIV/AIDS Patients. 5th Annual Biomedical Research Symposium June 24-25 at Kellogg Conference Center, Tuskegee University, Tuskegee.
32. **Ahmad,** H.A., T. Habtemariam, B. Tameru, D. Nganwa, O. Ayanwale, 2002. Quantitative Risk Assessment of *Salmonella enteretidis* using a Dynamic Egg Production Model. 2002 Society for Risk Analysis Annual Meeting- December 8-11 at New Orleans Marriott, New Orleans, LA
33. **Ahmad,** H. A., T. Habtemriam, O. Ayenwale, B. Tameru, D. Nganwa, M. Modarres, 2002. Risk of FMD virus Introduction into the US via Cheese Importation (from around the World). 3rd Annual Biomedical Research Symposium – June 20-21 at Kellogg Conference Center, Tuskegee University, Tuskegee, AL, USA.
34. **Ahmad,** H.A., T. Habtemariam, T. Berhanu, D. Oryang, D. Nganwa, H. Abdelrahman, O. Ayanwale, 2001. Developing a Professional Microbial Risk Analysis Training Course. Presented in the Annual Meeting of Society for Risk Analysis at Seattle, Washington, USA December 2-5
35. **Ahmad,** H.A., T. Berhanu, and E. Orhun, 2001. Quantitative Risk Assessment for Software Engineering: A Case Study. Presented in the Annual Meeting of Society for Risk Analysis at Seattle, Washington, USA December 2-5
36. Tameru, B., H.A. **Ahmad,** T. Habtemariam, D. Oryang, D. Nganwa, H. Abdelrahman, O. Ayanwale, 2001. Dynamic Model for BSE. Presented in the Annual Meeting of Society for Risk Analysis at Seattle, Washington, USA December 2-5

37. Nganwa, D., T. Habtemariam, S. ElAmin, D. Oryang, B. Tameru, H. Abdel Rahman, **H. A. Ahmed**, L. Ayanwale and V. Robnett, 2001. Qualitative Risk Assessment for the Introduction of Bovine Spongiform Encephalopathy through Importation of Live Cattle and Animal Products into the United States using an adjacent region/country as an example. Presented in the Annual Meeting of Society for Risk Analysis at Seattle, Washington, USA December 2-5

38. Oryang, D., T. Habtemariam, D. Nganwa, B. Tameru, P. Yu, L. Ayanwale, R. Fite, R. McDowell, S. Kaplan, S. Wilson, A. Ahl, M. McElvaine, C. Narrod, P. Sutmoller, H. Abdel Rahman, A. Goodman3, C. Zepeda4, K.W. Forsyth, T. W. Disney, and **A. Ahmad**. Quantitative Risk Assessment model of Foot and Mouth Disease Virus Introduction into the USA through the Importation of Meat. 2001 Annual Meeting Risk Analysis in an Interconnected World, Westin Hotel Seattle, WA, December 2-5.

39. **Ahmad,** H.A., S.S. Yadalam, and D.A. Roland, Sr., 2001. Influence of Allzyme (Phytase) Supplementation on Bovans Hens. Presented (abstract # 1976) in the International Animal Agriculture and Food Science Conference July 24-28, Indianapolis, Indiana, USA

40. **Ahmad**, H.A., S.S. Yadalam, and D.A. Roland, Sr., 2001. Calcium Requirement of Bovans Hens. Presented (abstract # 107) in the 2nd International Poultry Scientific Forum, Georgia World Congress Center, Atlanta, Georgia, USA, January 15-16

41. **Ahmad**, H.A., 2000. **Invited Paper:** Islamic concept of Land, Community, and Culture. Presented in the 58th Professional Agricultural Workers Conference, Kellogg Conference Center, Tuskegee University, Tuskegee, Alabama, USA December 3-5

42. Ahl, Alwynell S. **Ahmad**, H.A., and T. Habtemariam, 2000. Risk Analysis Training for Agricultural Hazards. Presented (Abstract # P 1.25) in Annual Meeting of Society of Risk Analysis, Crystal Gateway Marriott, Arlington, Virginia, USA December 3-6

43. **Ahmad**, H.A, 2000. **Invited Paper:** Econometric Feeding and Management of Commercial Leghorns: Optimizing Profits Using Integrated Approach. Presented at American Soybean Association, Poultry Nutrition Seminars, Karachi Hilton, Karachi, Pakistan, March 29

44. **Ahmad**, H.A, 2000. **Invited Paper:** Incorrect M+C/Lysine Ratio for Commercial Leghorn Hens. Presented at American Soybean Association, Poultry Nutrition Seminars, Karachi Hilton, Karachi, Pakistan, March 29

45. **Ahmad**, H.A, 2000. **Invited Paper:** Econometric Feeding and Management of Commercial Leghorns: Optimizing Profits Using Integrated Approach. Presented at American Soybean Association, Poultry Nutrition Seminars, Islamabad Best Western, Islamabad, Pakistan, March 30

46. **Ahmad**, H.A, 2000. **Invited Paper:** Incorrect M+C/Lysine Ratio for Commercial Leghorn Hens. Presented at American Soybean Association, Poultry Nutrition Seminars, Islamabad Best Western, Islamabad, Pakistan, March 30

47. **Ahmad**, H.A., Gerry V. Dozier, and D.A. Roland, Sr., 2000. Egg Price Forecasting using Neural Networks. Presented (abstract # S195) in 1st International Poultry Scientific Forum, Georgia World Congress Center, Atlanta, Georgia, USA, January 17-18

48. **Ahmad**, H.A. and D.A. Roland, Sr., 1998. Comparative Profitability and TSAA Requirements of Laying Hens Based Upon Market Variables (Abstract # S113). 19th Annual Meeting of Southern Poultry Science Society, Atlanta, Georgia, USA, January 19-20

49. **Ahmad**, H.A. and Chetan S. Sankar, 1997. Use and Misuse of Collaborative Technologies in Global Business. Presented and Published in the Proceedings of First Conference of the Informatics in International Business Enterprises Working Group at American University, Washington, D.C., USA, October 12-13

50. **Ahmad**, H.A., M.M. Bryant, and D.A. Roland, Sr., 1997. Profit Comparison of Two Commercial Strains Varying Widely in Feed Consumption and Egg Weight Using Different Egg and Feed Prices (Phase I). Poultry Science 76 (Supplement 1) S20 Abstract. Presented in 18th Annual Meeting of Southern Poultry Science Society Atlanta, Georgia, USA, January 20-21

51. **Ahmad**, H.A. and D.A. Roland, Sr., 1996. Effect of Feeding Method (Constant vs Variable) and Method of Formulation (Lysine vs Protein) on Performance and Profits of Molted Dekalb Hens (Phase II). Poultry Science 75 (Supplement 1) 48 (Abstract). Presented in 85th Poultry Science Association Meeting, Louisville, Kentucky, USA, July 8-12

52. **Ahmad**, H.A. and D.A. Roland, Sr., 1996. Effect of Temperature and Total Sulfur Amino Acid Levels on Performance and Profits of Molted Dekalb Delta Hens (Phase I). Poultry Science 75 (Supplement 1) 47 (Abstract). Presented in 85th Poultry Science Association Meeting, Louisville, Kentucky, USA, July 8-12

53. **Ahmad**, H.A., M.M. Bryant, and D.A. Roland, Sr., 1996. Effect of Feeding Method (Constant vs Variable) and Method of Formulation (Lysine vs Protein) on Performance and Profits of Dekalb Hens (Phase III). Poultry Science 75 (Supplement 1) S3 (Abstract). Presented in 17th Annual Meeting of Southern Poultry Science Society South, Atlanta, Georgia, USA, January 22-23

54. **Ahmad**, H.A., M.M. Bryant, and D.A. Roland, Sr., 1996. Effect of Feeding Method (Constant vs Variable) and Method of Formulation ((Lysine vs Protein) on Performance and Profits of Dekalb Hens (Phase II). Poultry Science 75 (Supplement 1) S2 (Abstract). Presented in 17th Annual Meeting of Southern Poultry Science Society South, Atlanta, Georgia, USA, January 22-23

55. **Ahmad**, A., David A. Roland, Sr., M.M. Bryant, and J. Self, 1995. Econometric Nutrition: Maximizing Profits in Dekalb Delta Hens by Optimizing Total Sulfur Amino Acid Intake (TSAA) and Environmental Temperature. Poultry Science 74 (Supplement 1) S1 (Abstract). Presented in 16th Annual Meeting of Southern Poultry Science Society Atlanta, Georgia, USA, January 16-17

56. Roland, Sr., D.A., M.M. Bryant, and A. **Ahmad**, 1994. Influence of Supplying 24 Hours Light for 7 Days Prior to Molt and Added Methionine in Molt Feed on Performance of Molted Hens. Poultry Science 73 (Supplement 1) 103 (Abstract). Presented in 83rd PSA Meeting, Mississippi State University, Starkville, Mississippi, USA, August 7-12

57. **Ahmad**, H.A. and R.J. Balander, 1993. Plasma Levels of Calcium, Phosphorus, Estradiol, and Progesterone as Influenced by Alternative Daily Phosphorus Levels and Calcium Sources. Poultry Science 72 (Supplement 1) 116 (Abstract). Presented in 82nd Poultry Science Association Meeting, Michigan State University, East Lansing, Michigan, USA, July 26-29

58. **Ahmad**, H.A. and R.J. Balander, 1993. Egg Production, Specific Gravity, Shell Thickness, and Egg Weight as Influenced by Alternative Daily Phosphorus Levels and Calcium Sources. Poultry Science 72 (Supplement 1) 48 (Abstract). Presented in 82nd Poultry Science Association Meeting, Michigan State University, East Lansing, Michigan, USA, July 26-29