

## **Prof. Hayrettin Okut**

### **Personal Information**

**Office Phone:** [+90 432 444 5065](tel:+904324445065) Extension: 21645

**Office Phone:** [+90 53905221](tel:+9053905221) Extension: 2

**Email:** hokut@yyu.edu.tr

**Web:** <https://avesis.yyu.edu.tr/hokut>

### **Education Information**

Post Doctorate, University of Nebraska-Lincoln, Animal Sciences/ Biometry And Genetics, United States Of America 1997 - 1998

### **Foreign Languages**

English, C1 Advanced

### **Certificates, Courses and Trainings**

Education Management and Planning, Supervised and un-supervised machine learning methods for big data, Washington University Deaprtment of Biostatistics Summer School, 2015

### **Dissertations**

Doctorate, Fenotipik benzeyenlerin çifteştirilmesinin iki karakterin genetik parametrelerin değişimine etkisi: Bir simülasyon çalışması, Ege University, Biometri Ve Genetik, Zootekni, 1992

### **Research Areas**

Medicine, Health Sciences, Fundamental Medical Sciences, Biostatistics and Medical Informatics, Social Sciences and Humanities, Psychology, Psychometry, Agricultural Sciences, Agriculture, Zootekni and Animal Nutrition, Biometrics, Statistics, Statistical Analysis and Applications, Natural Sciences

### **Academic Titles / Tasks**

Professor, Van Yüzüncü Yıl University, Ziraat Fakültesi, Zootekni, 2002 - Continues

Professor, Wake Forest University, School Of Medicine , Genomic Center, 2015 - 2017

Professor, Universita Degli Studi di Bologna, Life Sciences, Animal Sciences, 2014 - 2014

Professor, University of Wisconsin-Madison, Life Sciences, Animal Sciences, 2009 - 2012

Professor, Universita Degli Studi di Bologna, Life Sciences, Animal Sciences, 2006 - 2006

Associate Professor, University of Oregon, Oregon Research Inst. And Business Colloge, Decision Sciences, 2001 - 2003

Associate Professor, Van Yüzüncü Yıl University, Ziraat Fakültesi, Zootekni, 1996 - 2002

Associate Professor, University of Nebraska-Lincoln, Life Sciences, Animal Sciences, 1997 - 1998  
Assistant Professor, Van Yüzüncü Yıl University, Ziraat Fakültesi, Zootechnik, 1993 - 1996  
Research Assistant, Van Yüzüncü Yıl University, Ziraat Fakültesi, Zootechnik, 1986 - 1993  
Research Assistant, Ege University, Ziraat Fakültesi, Zootechnik, 1988 - 1992  
Research Assistant, University of Minnesota-Twin Cities, Life Sciences, Animal Sciences, 1990 - 1991

## Academic and Administrative Experience

Van Yüzüncü Yıl University, Ziraat Fakültesi, Zootechnik, 1993 - 2016  
Van Yüzüncü Yıl University, Ziraat Fakültesi Dekan Vek., 2008 - 2009  
Van Yüzüncü Yıl University, 2007 - 2009  
Van Yüzüncü Yıl University, 2007 - 2009  
Van Yüzüncü Yıl University, 2007 - 2009  
Van Yüzüncü Yıl University, 2004 - 2009  
Van Yüzüncü Yıl University, Ziraat Fakültesi, Zootechnik, 2004 - 2007  
Van Yüzüncü Yıl University, 2003 - 2005  
Van Yüzüncü Yıl University, 1996 - 2001  
Van Yüzüncü Yıl University, Fan Bilimleri, 1996 - 2001  
Van Yüzüncü Yıl University, 1996 - 2001  
Van Yüzüncü Yıl University, Ziraat Fakültesi, 1996 - 2001  
Van Yüzüncü Yıl University, 1995 - 1996

## Courses

Genetic Epidemiology, Doctorate, 2017 - 2018  
Genetic Epidemiology, Doctorate, 2016 - 2017  
Mixed Models for Genetic Data, Doctorate, 2014 - 2015  
Eğitim Bilimlerinde Özel İstatistiksel Teknikler, Doctorate, 2014 - 2015  
Yapay Sinir Ağları, Doctorate, 2012 - 2013  
Linear and Generalized Linear Mixed Models, Doctorate, 2006 - 2007  
Longitudinal Data Analysis, Doctorate, 2006 - 2007  
Linear and Multivariate Regression, Doctorate, 2006 - 2007  
Karışık Modeller, Doctorate, 2003 - 2004  
Uygulamalı Regresyon Analizi, Postgraduate, 2003 - 2004, 1997 - 1998  
Yapısal Eşitlik Modelleri, Doctorate, 2003 - 2004  
Genelleştirilmiş Doğrusal Modeller, Doctorate, 1997 - 1998  
Araştırma ve Deneme Yöntemleri, Undergraduate, 1997 - 1998, 1995 - 1996  
Bilgisayar Uyg. Araştırma ve Deneme Yöntemleri, Postgraduate, 1997 - 1998  
Çok Değişkenli İstatistik, Doctorate, 1997 - 1998, 1995 - 1996  
Doğrusal Modeller, Doctorate, 1997 - 1998, 1995 - 1996, 1994 - 1995  
İstatistik, Undergraduate, 1997 - 1998  
Dğrusal Modeller, Doctorate, 1996 - 1997  
İstatistiğe Giriş, Undergraduate, 1996 - 1997, 1995 - 1996, 1994 - 1995  
Varyasyon Kaynakları, Postgraduate, 1996 - 1997  
Araştırma ve Deneme Yöntemleri, Undergraduate, 1996 - 1997  
Araştırma ve Deneme Yöntemleri, Postgraduate, 1996 - 1997  
İstatistik, Undergraduate, 1996 - 1997  
Bioistatistik, Undergraduate, 1995 - 1996  
Parametrik Olmayan İstatistik, Postgraduate, 1995 - 1996

Bilgi. Uyg. Araştırma ve Deneme Yöntemleri, Postgraduate, 1995 - 1996  
Araştırma ve Deneme Yöntemleri, Undergraduate, 1994 - 1995  
Uygulamalı Regresyon Analizi, Postgraduate, 1994 - 1995  
Bilgisayar Uyg. Araştırma ve Deneme Yöntemleri, Postgraduate, 1994 - 1995  
Araştırma ve Deneme Yöntemleri, Undergraduate, 1993 - 1994  
Bilgisayar Uyg. Araştırma ve Deneme Yöntemleri, Doctorate, 1994 - 1995  
Temel İstatistik, Undergraduate, 1993 - 1994  
Bil. Uygulamalı Araştırma ve Denem Yöntemleri, Postgraduate, 1993 - 1994  
Temel İstatistik, Undergraduate, 1993 - 1994  
Temel İstatistik, Undergraduate, 1993 - 1994  
Temel İstatistik, Undergraduate, 1993 - 1994  
Temel İstatistik, Undergraduate, 1993 - 1994  
Araştırma ve Denem Yöntemleri, Undergraduate, 1993 - 1994

## Advising Theses

Okut H., Bayesian Regularizayon ve Scale Congugate yöntemlerinin performanslarının karşılaştırılması, Postgraduate, M.Can(Student), 2015  
Okut H., Gibbs sampler approach with different burn-in and thinning in structural equation modeling, Doctorate, S.Şehribanoğlu(Student), 2012  
Okut H., Determine gene expression level in microarray data using hierarchical Bayesian approach, Doctorate, B.Kaki(Student), 2012  
Okut H., Model Selection in multilevel generalized linear mixed models for longitudinal data with missing values., Doctorate, G.Ser(Student), 2010  
Okut H., Chromosome anomaly frequency in mental deficiency of children, Doctorate, H.Çaksen(Student), 2008  
Okut H., Prediction of risk factor in evaluation of physical education exams, Doctorate, M.Kayı(Student), 2007  
Okut H., Comparison of different methods for parameter estimates for two parameterized Weibull Distribution: A case study for wind data, Doctorate, M.Nuri(Student), 2006  
Okut H., Discrete Choice Modeling by Adjacent Category Logit for Consumer Preferences, Postgraduate, Ş.Berber(Student), 2005  
Okut H., QTL detection on chromosome 7 for milk production, Doctorate, H.Koyun(Student), 2004  
Okut H., SEM'in Eğitim alanındaki çalışmalarında kullanımı, Postgraduate, S.Şehribanoğlu(Student), 2004  
Okut H., SEM Models to Evaluate Success of Middle Schools in Van, Postgraduate, M.Boysan(Student), 2004  
Okut H., Comparison of MQL, PQL and MCMC in generalized linear multilevel models, Doctorate, S.G(Student), 2003  
Okut H., Change-Over denemelerin hasvan besleme araştırmalarındaki rolünün değerlendirilmesi, Postgraduate, H.Arap(Student), 1998  
Okut H., EM, Fisher Schoring ve Newton Rapson Yöntemlerini Parametre tahminlerinde karşılaştırılması, Postgraduate, S.Akkol(Student), 1995  
Okut H., Gibbs Yöntemi ile genetik parametre tahminin yapılması, Postgraduate, A.Yeşilova(Student), 1995  
Okut H., BLUE ve BLUP'ta outlier seçimi, Postgraduate, A.Taşdelen(Student), 1994

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. Many Kansas Worksites Offer Few Interventions to Reduce Occupational Sedentary Behavior  
Ablah E., Grilliot E., Okut H., Mailey E. L., Rosenkranz S. K., Rosenkranz R. R.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, vol.15, no.8, pp.1-6, 2018  
(SCI-Expanded)
- II. Metabolomics Identifies Distinctive Metabolite Signatures for Measures of Glucose Homeostasis: The Insulin Resistance Atherosclerosis Family Study (IRAS-FS)

- Palmer N. D., Okut H., Hsu F., Ng M. C. Y., Chen Y. I., Goodarzi M. O., Taylor K. D., Norris J. M., Lorenzo C., Rotter J. I., et al.  
JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM, vol.103, no.5, pp.1877-1888, 2018 (SCI-Expanded)
- III. **Investigation of genetic structure in van cats using microsatellite**  
Koyun H., Koncagul S., Karakuş K., Okut H., Küçük M., Yilmaz A., Özkan C., Yeşilova A., Kaya A., Taşpinar M.  
JOURNAL OF BIOTECHNOLOGY, vol.1, no.1, pp.18, 2017 (SCI-Expanded)
- IV. **Associations Between GH, PRL, STAT5A, OPN, PIT-1, LEP and FGF2 Polymorphisms and Fertility in Holstein-Friesian Heifers**  
Oner Y., Yilmaz O., Okut H., Ata N., Yilmazbas-Mecitoglu G., Keskin A.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGİSİ, vol.23, no.4, pp.527-534, 2017 (SCI-Expanded)
- V. **Aki And Dcd Kidneys As A Research Platform For Kidney Regeneration And Repair: Bridging Regenerative Medicine To Organ Transplantation**  
Orlando G., DANGER R., Okut H., Bussolati B., Gall E., Edgar L., Wagenknecht L. E., Tamburini R., Brouard S., Walker S.  
TRANSPLANT INTERNATIONAL, vol.30, pp.555, 2016 (SCI-Expanded)
- VI. **The effect of ovulatory follicle size at the time of insemination on pregnancy rate in lactating dairy cows**  
KESKİN A., MECİTOĞLU G., Bilen E., Guner B., ORMAN A., Okut H., GÜMEN A.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.40, no.1, pp.68-74, 2016 (SCI-Expanded)
- VII. **Bayesian Regularized Neural Networks for Small n Big p Data**  
Okut H.  
ARTIFICIAL NEURAL NETWORKS: MODELS AND APPLICATIONS, pp.27-48, 2016 (SCI-Expanded)
- VIII. **Evaluation of prediction ability of Cholesky factorization of genetic relationship matrix for additive and non-additive genetic effect using Bayesian regularized neural network**  
Okut H., Gianola D., Rosa G. J., Weigel K.  
JOURNAL OF GENETICS, vol.1, pp.1-15, 2015 (SCI-Expanded)
- IX. **Demographic Assessment of Plant Cultivar Resistance to Insect Pests: A Case Study of the Dusky-Veined Walnut Aphid (Hemiptera: Callaphididae) on Five Walnut Cultivars**  
AKKOPRU E. P., Atlıhan R., Okut H., CHI H.  
JOURNAL OF ECONOMIC ENTOMOLOGY, vol.108, no.2, pp.378-387, 2015 (SCI-Expanded)
- X. **Effect of genotype imputation on genome-enabled prediction of complex traits: an empirical study with mice data**  
Felipe V. P. S., Okut H., Gianola D., Silva M. A., Rosa G. J. M.  
BMC GENETICS, vol.15, 2014 (SCI-Expanded)
- XI. **Microsurgical Anatomy of the Denticulate Ligaments and Their Relationship with the Axilla of the Spinal Nerve Roots**  
Gurer B., Canbay S., Bozkurt M., Cikla U., Hananya T., Okut H., Baskaya M. K.  
CLINICAL ANATOMY, vol.27, no.5, pp.733-737, 2014 (SCI-Expanded)
- XII. **COMPARISON OF SYNCHRONISATION AND FERTILITY AFTER DIFFERENT MODIFICATIONS OF THE OVSYNCH PROTOCOL IN CYCLIC DAIRY COWS**  
Yilmazbas-Mecitoglu G., Karakaya E., KESKİN A., GÜMEN A., Koc V., Okut H.  
ACTA VETERINARIA HUNGARICA, vol.62, no.1, pp.64-73, 2014 (SCI-Expanded)
- XIII. **Predicting expected progeny difference for marbling score in Angus cattle using artificial neural networks and Bayesian regression models**  
Okut H., Wu X., Rosa G. J. M., Bauck S., Woodward B. W., Schnabel R. D., Taylor J. F., Gianola D.  
GENETICS SELECTION EVOLUTION, vol.45, 2013 (SCI-Expanded)
- XIV. **Predicting expected progeny difference for marbling score in Angus cattle using artificial neural networks and Bayesian regression models. Genetics Selection Evolution**  
Okut H., Woodward B., Rosa G. J., Bauck S., Wu X., Schnabel R., Taylor J., Gianola D.  
GENETICS SELECTION EVOLUTION, vol.45, no.1, pp.1-15, 2013 (SCI-Expanded)
- XV. **Effect of presynchronization strategy before Ovsynch on fertility at first service in lactating dairy**

**cows**

- Gumen A., Keskin A., Yilmazbas-Mecitoglu G., Karakaya E., Alkan A., Okut H., Wiltbank M. C.  
THERIOGENOLOGY, vol.78, no.8, pp.1830-1838, 2012 (SCI-Expanded)
- XVI. **Effects of presynchronization with gonadotropin-releasing hormoneprostaglandin F2? or progesterone before Ovsynch in noncyclic dairy cows**  
Keskin A., KARAKAYA E., YILMAZBAS-MECITOGLU G., Okut H., Gumen A.  
JOURNAL OF DAIRY RESEARCH, vol.95, pp.7186-7194, 2012 (SCI-Expanded)
- XVII. **The effect of intrauterine cephalin treatment after insemination on conception rate in repeat breeder dairy cows subjected to the progesterone-based Ovsynch protocol**  
GÜMEN A., Yilmazbas Mecitoglu G., KESKİN A., Karakaya E., Alkan A., Tasdemir U., Okut H.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.36, no.6, pp.622-627, 2012 (SCI-Expanded)
- XVIII. **Predicting complex quantitative traits with Bayesian neural networks: a case study with Jersey cows and wheat**  
Gianola D., Okut H., Weigel K. A., Rosa G. J. M.  
BMC GENETICS, vol.12, 2011 (SCI-Expanded)
- XIX. **Effect of hCG vs. GnRH at the beginning of the Ovsynch on firstovulation and conception rates in cyclic lactating dairy cows**  
ORMAN A., Gumen A., KARAKAYA E., Okut H.  
THERIOGENOLOGY, vol.74, pp.602-607, 2011 (SCI-Expanded)
- XX. **Prediction of body mass index in mice using dense molecular markers and a regularized neural network**  
Okut H., Gianola D., Rosa G. J., Weigel K.  
GENETICS RESEARCH, vol.93, pp.189-201, 2011 (SCI-Expanded)
- XXI. **Functional response of the coccinellid predator Adalia fasciatopunctata revelierei to walnut aphid (Callaphis juglandis)**  
Atlihan R., KAYDAN M. B., YARIMBATMAN A., Okut H.  
PHYTOPARASITICA, vol.38, no.1, pp.23-29, 2010 (SCI-Expanded)
- XXII. **Genomic Scan to Detect QTL Using SNP Markers for Simulated Data by Regression Analysis in Half-Sib Design**  
Koyun H., Koncagül S., Okut H.  
JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.8, no.12, pp.2626-2630, 2009 (SCI-Expanded)
- XXIII. **SCRUTINIZATION OF RISK ANALYSIS RELATED TO SUCCESS OF THE PRIVATE SKILL EXAM BY USING MIXTURE LOGISTIC REGRESSION MODEL**  
Kayri M., Okut H.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.35, pp.227-239, 2008 (SSCI)
- XXIV. **The effects of short term (3 weeks) testosterone treatment on serum inflammatory markers in men undergoing coronary artery stenting.**  
GULER N., BATYRALIEV T., DULGER H., OZKARA C., Tuncer M., ASLAN S., OKUT H., AGIRBASLI M.  
International journal of cardiology, vol.109, pp.339-43, 2006 (SCI-Expanded)
- XXV. **Assessment of proliferative activity by AgNOR and PCNA in prostatic tissues of ram lambs implanted with zeronal**  
Gulbahar M., Yuksel H., Guvenc T., Okut H.  
REPRODUCTION IN DOMESTIC ANIMALS, vol.40, no.5, pp.468-474, 2005 (SCI-Expanded)
- XXVI. **A Multilevel Contextual Model of Neighborhood Collective Efficacy**  
Duncan T., Duncan S., Okut H., Six H., Strycker L.  
AMERICAN JOURNAL OF COMMUNITY PSYCHOLOGY, vol.32, pp.245-252, 2003 (SSCI)
- XXVII. **An extension of the general latent variable growth modeling framework to four levels of the hierarchy**  
Duncan T., Duncan S., Okut H., Li F.  
STRUCTURAL EQUATION MODELING-A MULTIDISCIPLINARY JOURNAL, vol.9, pp.303-326, 2002 (SSCI)

- XXVIII. **A multilevel contextual model of family conflict and deviance**  
 Duncan S., Strycker L., Duncan T., Okut H.  
 JOURNAL OF PSYCHOPATHOLOGY AND BEHAVIORAL ASSESSMENT, vol.24, pp.169-175, 2002 (SSCI)
- XXIX. **Correlation Among Genotypic Expressions at Different Ages in Sheep, II: Wool Traits**  
 Okut H., Van Vleck L. D., Van Zyl-Bromley C., Snowder G.  
 JOURNAL OF ANIMAL SCIENCE, vol.77, pp.2372-2378, 1999 (SCI-Expanded)
- XXX. **Correlation Among Genotypic Expressions at Different Ages in Sheep, I : Fertility Traits**  
 Okut H., Van Vleck L. D., Van Zyl-Bromley C., Snowder G.  
 JOURNAL OF ANIMAL SCIENCE, vol.77, pp.2366-2371, 1999 (SCI-Expanded)
- XXXI. **Genotype by Age of Dam Interaction: Correlation Among Genotypic Expressions at Different Ages in Sheep, III: Growth Traits**  
 Okut H., Van Vleck L. D., Van Zyl-Bromley C., Snowder G.  
 JOURNAL OF ANIMAL SCIENCE, vol.77, pp.2379-2384, 1999 (SCI-Expanded)
- XXXII. **The Compression of Maternal and Neonatal Serum Creatine Kinase and its Isoenzymes Relating to Spontaneous Vaginal Delivery or Without Kristaller Maneuver and cesarean section**  
 Gul A., Kocar M., Okut H.  
 JOURNAL OF PERINATOLOGY, vol.7, pp.3-7, 1999 (SCI-Expanded)
- XXXIII. **The Effect of Terpal Plant Growth Regulators on Yield and Yield Components in Barley**  
 Sonmez F., Ege H., Okut H.  
 TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.21, pp.87-93, 1997 (SCI-Expanded)
- XXXIV. **Comparison of Least Square and Maximum Likelihood Methods for Variance Component Estimation for Unbalanced Designs**  
 Orhan H., Okut H.  
 TURKISH JOURNAL OF VETERINARY SCIENCES, vol.20, pp.293-297, 1996 (SCI-Expanded)
- XXXV. **Karakas Kuzu Yapağılarında Uzunluk ve İncelik Bakımından Üniformite**  
 Altin T., Okut H.  
 TURKISH JOURNAL OF VETERINARY SCIENCES, vol.20, pp.405-410, 1996 (SCI-Expanded)
- XXXVI. **). Effect of Assortative Mating on the Genetic Parameters of Two Independent Traits**  
 Okut H., Turkmut L.  
 TURKISH JOURNAL OF VETERINARY SCIENCES, vol.19, pp.349-356, 1995 (SCI-Expanded)
- XXXVII. **Effect of Assortative Mating on the Heritability of Two Independent Traits**  
 Okut H., Turkmut L.  
 TURKISH JOURNAL OF VETERINARY SCIENCES, vol.9, pp.201-205, 1995 (SCI-Expanded)
- XXXVIII. **A Study to Determine the Causal Relations Between Nut Weight, Kernel Weight and Kernel Ratios with Certain Important Fruit Characteristics by Using the Path Analysis**  
 Okut H., Akca Y.  
 TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.9, pp.201-205, 1995 (SCI-Expanded)
- XXXIX. **The Genetic Parameter Estimations of Nitration Performance of Pekin Ducks**  
 Vanli Y., Karaca O., Kaygisiz A., Okut H., Altin T.  
 TURKISH JOURNAL OF VETERINARY SCIENCES, vol.17, pp.3333-3339, 1993 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Use of Generalized Estimating Equations with Multiple Imputation for Missing Longitudinal Data**  
 Ser G., Okut H.  
 Journal of the Institute of Natural & Applied Sciences, vol.23, no.1, pp.105-112, 2018 (Peer-Reviewed Journal)
- II. **The Relationship between Eating and Lifestyle Habits and Cancer in Van Lake Region: Another Endemic Region for Esophageal and Gastric Cancers**  
 Çelik S., YILMAZ E. M., ÖZDEN F., KOTAN C., Okut H.  
 Journal of Cancer Epidemiology, vol.2015, pp.56-63, 2015 (Scopus)

- III. **The Relationship between Eating and Lifestyle Habits and Cancer in Van Lake Region: Another Endemic Region for Esophageal and Gastric Cancers**  
Çelik S., YILMAZ E. M., ÖZDEN F., KOTAN C., Okut H.  
Journal of Cancer Epidemiology, vol.2015, pp.56-63, 2015 (Scopus)
- IV. **Effects of Burn-In and Thinning Methods on Iteration and Autocorelation in a Model System of Bayesian Structural Equation Models**  
Şehribanoğlu S., Okut H.  
AKÜ FEMÜBİD, vol.15, pp.12-18, 2015 (Peer-Reviewed Journal)
- V. **Bayesci Yapısal Eşitlik Modellerinde Yakma Periyodu, Thin Kavramlarının İterasyon ve Otokorelasyona'a Etkilerinin Bir Model Üzerinde İncelenmesi**  
Şehribanoğlu S., Okut H.  
AFYON KOCATEPE ÜNİVERSİTESİ FEN VE MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.15, no.2, pp.12-18, 2015 (Peer-Reviewed Journal)
- VI. **The Relationship between Eating and Lifestyle Habits and Cancer in Van Lake Region: Another Endemic Region for Esophageal and Gastric Cancers**  
Çelik S., Yilmaz E. M., Ozden F., Kotan C., Okut H.  
JOURNAL OF CANCER EPIDEMIOLOGY, 2015 (ESCI)
- VII. **A Multilevel approach for Zero-inflated Poisson Regression (ZIP)**  
Akkol S., Okut H.  
Van Fen Bilimleri Enstitüsü Dergisi, vol.18, pp.1-8, 2013 (Peer-Reviewed Journal)
- VIII. **Sıfır Ağırlıklı Sayma ile Elde Edilen Veriler İçin Çok Seviyeli ZIP Regresyon**  
Akkol S., Okut H., Şehribanoğlu S.  
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi/ Journal of The Institute of Natural & Applied Sciences, vol.18, pp.1-8, 2013 (Peer-Reviewed Journal)
- IX. **Bayesci Yapısal Eşitlik Modellerinde Parametre Tahminlemesi**  
Şehribanoğlu S., Okut H.  
Yüzüncü Yıl Üniversitesi Fen Edebiyat Fakültesi Fen Bilimleri Dergisi, vol.18, no.2, pp.33-38, 2013 (Peer-Reviewed Journal)
- X. **Parameter estimation in Bayesian Structural Equation Modeling**  
Şehribanoğlu S., Okut H.  
Van Fen Bilimleri Enstitüsü Dergisi, vol.18, pp.17-22, 2013 (Peer-Reviewed Journal)
- XI. **Yapısal Eşitlik Modellerinde Parametre Tahminlemesi**  
Şehribanoğlu S., Okut H.  
Yüzüncü Yıl Üniversitesi Fen Bilimleri Dergisi, vol.18, pp.17-22, 2013 (Peer-Reviewed Journal)
- XII. **Sıfır Ağırlıklı Sayma ile Elde Edilen Verilen için Çok Seviyeli ZIP Regresyon**  
AKKOL S., OKUT H., ŞEHİRİBANOĞLU S.  
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.18, pp.1-8, 2013 (Peer-Reviewed Journal)
- XIII. **The Effect of Progesterone Based Ovsynch Protocol And GnRH Treatments After Artificial Insemination On Conception Rate In Repeat Breeder Cows**  
Keskin A., Gumen A., Yesilbas G., KARAKAYA E., Okut H.  
Uludag Üniversitesi Vet. Fakultesi Dergisi, vol.29, pp.65-70, 2010 (Peer-Reviewed Journal)
- XIV. **Compression of PQL, MQL and MCMC methods for multilevel models**  
Akkol S., Okut H.  
Van Fen Bilimleri Enstitüsü Dergisi, vol.15, pp.1-8, 2010 (Peer-Reviewed Journal)
- XV. **Çok Seviyeli Poisson Regresyonu için PQL, MQL ve MCMC Yöntemlerinin Karşılaştırılması**  
Akkol S., Okut H.  
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi/ Journal of The Institute of Natural & Applied Sciences, vol.15, pp.30-40, 2010 (Peer-Reviewed Journal)
- XVI. **İki Parametreli Weibull Dağılımında Parametre Tahminlerinin Karşılaştırılmasına İlişkin Bir Simülasyon Çalışması**  
Almalı M. N., Okut H.

- Journal of Anadolu Uni. Science and Technology, vol.10, pp.455-465, 2009 (Peer-Reviewed Journal)
- XVII. **İki Parametreli Weibull Dağılımında Parametre Tahmin Yöntemlerinin Karşılaştırılmasına İlişkin Bir Simülasyon Çalışması**  
Almalı M. N., OKUT H.  
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi, vol.10, no.2, pp.455-465, 2009 (Peer-Reviewed Journal)
- XVIII. **Synchronization of risk analysis related to success of the private skill exam by using mixture logistic regression model**  
Kayri M., Okut H.  
HACETTEPE ÜNİVERSİTESİ EĞİTİM FAKÜLTESİ DERGİSİ, vol.35, pp.227-235, 2008 (Scopus)
- XIX. **Mixture Poisson Regression Models**  
Yeşilova A., Okut H., Kaki B.  
YYU Fen Bilimleri Enstitüsü Dergisi, vol.13, pp.19-23, 2008 (Peer-Reviewed Journal)
- XX. **Kategorik Veriler İçin Karışıklı Poisson ve Karışıklı Lojistik Regresyon Yöntemlerinin Teorik Özelliklerinin İncelenmesi**  
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- I. **Tekrarlamalı Ölçüm Çalışmaları içim İki Seviyeli Model Yaklaşımı: Çok Seviyeli Büyüme Eğrisi Modelleri**  
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- II. **The Mixture Modeling of Zero-Inflated Count Data.**  
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- III. **Exploitation of Transethnic Genome-wide Association Statistics for Complex Traits**  
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- IV. **Reveal Association Between Complex Traits and Omics Data Using Deep Learning Architectures**  
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- V. **Explaining the Discrepancy between Univariate and Regularized Regression Models for Correlated Variables**

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- XLIII. Analysis of Correlated Binary Data by Using Generalized Estimation Equations.**  
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## **Activities in Scientific Journals**

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Iore Journal of Genetics: IORE International, Committee Member, 2018 - Continues  
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Plant Science Today, Assistant Editor/Section Editor, 2015 - Continues  
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## **Scientific Refereeing**

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Livestock Science, SCI Journal, April 2015  
African Journal of Agricultural Research, SCI Journal, May 2013  
Archiv Tierzucht / Archives Animal Breeding, SCI Journal, May 2013  
Ankara Univ. J of Agri. Sci., National Scientific Refreed Journal, May 2013  
BioMed Research International , SCI Journal, April 2013  
BioMed Research International , SCI Journal, April 2013  
Educational Sciences: Theory & Practice, Journal Indexed in SSCI, September 2012  
Livestock Science, SCI Journal, March 2012  
J of Vet and Anim. Sci., SCI Journal, March 2012  
Journal of Pediatric Infectious Diseases, SCI Journal, April 2009  
Headache The Journal of Head and Face Pain, SCI Journal, July 2003

## **Scientific Research / Working Group Memberships**

American Statistician Association, University of Minnesota, Twin Cities Campus, Amerika Birleşik Devletleri, [www.asa.org](http://www.asa.org),

2002 - Continues

Turkiye Istatistikciler Dernegi, Turk'ye Istatistik Kurumu, Türkiye, [www.tuik.gov.tr](http://www.tuik.gov.tr), 1993 - Continues

## Metrics

Publication: 139

Citation (WoS): 374

Citation (Scopus): 391

H-Index (WoS): 7

H-Index (Scopus): 7

## Congress and Symposium Activities

Wake Forest University, School of Medicine Genomic Center meeting, Invited Speaker, North-Carolina, United States Of America, 2016

Wake Forest University, School of Medicine Genomic Center Meetings, Invited Speaker, North-Carolina, United States Of America, 2016

University of Zagreb, Department of Agronomy Departmental Meetings, Invited Speaker, Zagreb, Croatia, 2014

Nell'ambito del progetto PON 01\_02249 University of Palermo, Italy Scholarship, Invited Speaker, Palermo, Italy, 2014

RIVAGE project days, Session Moderator, Paris, France, 2007

University of Vienna, Department of Biostatistics meeting days, Invited Speaker, Vienna, Austria, 2000

University of Vienna, Department of Biostatistics meeting days, Invited Speaker, Vienna, Austria, 2000

## Scholarships

Scholarship for Summer School, University, 2015 - Continues

Nell'ambito del progetto PON 01\_02249 University of Palermo, Italy Scholarship, University, 2014 - Continues

The European Union Erasmus Scholarship, University, 2014 - Continues

University of Wisconsin Research Assoc. Fellowship, University, 2009 - Continues

RIVAGE project days, University, 2007 - Continues

The European Union, Maria Curie European Transfer of Knowledge Scholarship, Jean Monnet Scholarship Program, 2006 - Continues

Turkey Scientific and Research Council, TUBITAK, 2004 - Continues

Oregon Research Institute Research Associate Fellowship, University, 2001 - Continues

Fulbright Science Fellowship, Fulbright Program, 2001 - Continues

Workshop scholarship on teaching from Applied Regression Including Computing and Graphics., Official Institutions of Foreign Countries, 2000 - Continues

NATO Scientist supporting scholarship (organized, NATO, 1997 - Continues

Research Fellowship by Yuzuncu Yil University, University, 1990 - Continues

## Awards

Okut H., Honors Committee for Students Evaluation, Kansas University, May 2018

Okut H., Recognized Reviewer, Elsevier Publication, November 2016

Okut H., Collaborative Institutional Training Initiative, Citi Program-4793357) Rcr for Biomedical Investigators, September 2015

Okut H., Cisco Certified Networking Associate Instructor of CCNA (for version I and II), CISCO, March 1999

## **Non Academic Experience**

Non-profit Organisation, Yyu Kalkınma Vakfı