

## **Prof. GÖKHAN AKKOYUNLU**

### **Personal Information**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: C-4113-2016

Yoksis Researcher ID: 115621

### **Education Information**

Doctorate, Akdeniz University, Institute of Health Sciences , Histoloji Ve Embriyoloji, Turkey 1998 - 2004

Postgraduate, Akdeniz University, Institute of Health Sciences , Histoloji Ve Embriyoloji, Turkey 1994 - 1997

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Biyoloji, Turkey 1989 - 1994

### **Foreign Languages**

English, B2 Upper Intermediate

### **Dissertations**

Doctorate, Deney Modelinde Zona Pellucida ve Embriyonik Örtü Proteinlerinin Modifikasyonunda Transglutaminaz Aktivitesinin Rolü., Akdeniz University, Institute of Health Sciences , Histoloji Ve Embriyoloji, 2004

Postgraduate, Gebelik ve gebelik-öncesi dönemlerdeki sıçan ovaryumunda transforme edici gelişim faktörü-alfa (TGF-a), desmin, kollajen tip IV, fibronektin ve laminin dağılımı: İmmünohistokimyasal ve ışık mikroskopik bir çalışma., Akdeniz University, Institute of Health Sciences , Histoloji Ve Embriyoloji, 1997

### **Research Areas**

Medicine, Health Sciences, Fundamental Medical Sciences, Histology and Embryology, Life Sciences, Animal Biology, Animal Cytology and Histology, Natural Sciences

### **Academic Titles / Tasks**

Associate Professor, Akdeniz University, Faculty of Medicine, Histoloji Ve Embriyoloji, 2008 - Continues

### **Academic and Administrative Experience**

### **Courses**

Sindirim Sistemi Histolojisi ve Embriyolojisi, Postgraduate, 2013 - 2014

Deneysel Embriyoloji, Postgraduate, 2013 - 2014

Dokuların yapısı ve histokimyasal özellikleri, Postgraduate, 2013 - 2014

## Advising Theses

AKKOYUNLU G., Süperovulasyon uygulamasının DNA metiltransferaz genlerinin ekspresyonu üzerine etkisinin araştırılması, Postgraduate, F.Uysal(Student), 2015

AKKOYUNLU G., Fare ovaryumunda protein kinaz C izotiplerinin dağılımı ve folikülogenezle ilişkisi. 2009.02.0122.010., Postgraduate, F.Tepeköy(Student), 2011

AKKOYUNLU G., Fare ovaryumunda protein kinaz C izotiplerinin dağılımı ve folikülogenezle ilişkisi, Postgraduate, F.Tepeköy(Student), 2011

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

### I. The effects of MEK and PKA inhibition on Spire proteins during oocyte maturation.

Tepeköy F., Akkoyunlu G.

Cellular and molecular biology (Noisy-le-Grand, France), vol.69, no.13, pp.45-52, 2023 (SCI-Expanded)

### II. Interactions of Ingested Polystyrene Microplastics with Heavy Metals (Cadmium or Silver) as Environmental Pollutants: A Comprehensive In Vivo Study Using *< i>Drosophila melanogaster</i>*

Demir F. T., AKKOYUNLU G., Demir E.

BIOLOGY-BASEL, no.10, 2022 (SCI-Expanded)

### III. Hazard Assessment of the Effects of Acute and Chronic Exposure to Permethrin, Copper Hydroxide, Acephate, and Validamycin Nanopesticides on the Physiology of Drosophila: Novel Insights into the Cellular Internalization and Biological Effects

Demir E., Kansız S., Doğan M., Topel Ö., Akkoyunlu G., Kandur M. Y., Turna Demir F.

INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.23, no.16, pp.1-46, 2022 (SCI-Expanded)

### IV. Pubertal high-fat diet interferes with the ovarian kisspeptin ligand and receptor expressions regulating female fertility

DOĞAN M., KILINÇ L., SİNEN O., BÜLBÜL M., AKKOYUNLU G.

HUMAN REPRODUCTION, vol.36, pp.428-429, 2021 (SCI-Expanded)

### V. Enteric apelin enhances the stress-induced stimulation of colonic motor functions

BÜLBÜL M., SİNEN O., BAYRAMOGLU O., AKKOYUNLU G.

STRESS-THE INTERNATIONAL JOURNAL ON THE BIOLOGY OF STRESS, vol.23, no.2, pp.201-212, 2020 (SCI-Expanded)

### VI. The interaction of Wnt signaling members with growth factors in cultured granulosa cells

Tepeköy F., AKKOYUNLU G.

ANIMAL REPRODUCTION, vol.17, no.2, 2020 (SCI-Expanded)

### VII. The effect of GnRH antagonist cetrorelix on Wnt signaling members in pubertal and adult mouse ovaries

Tepeköy F., Uysal F., Acar N., Üstünel İ., Akkoyunlu G.

HISTOCHEMISTRY AND CELL BIOLOGY, vol.152, no.6, pp.423-437, 2019 (SCI-Expanded)

### VIII. Acute restraint stress induces cholecystokinin release via enteric apelin.

Bulbu M., Sinen O., BAYRAMOGLU O., AKKOYUNLU G.

Neuropeptides, vol.73, pp.71-77, 2019 (SCI-Expanded)

### IX. Decreased expression of DNA methyltransferases in the testes of patients with non-obstructive azoospermia leads to changes in global DNA methylation levels

UYDAL F., AKKOYUNLU G., ÖZTÜRK S.

REPRODUCTION FERTILITY AND DEVELOPMENT, vol.31, no.8, pp.1386-1394, 2019 (SCI-Expanded)

- X. **The Role of Enteric Neuronal Apelin in Stress-induced Gastrointestinal Dysmotility**  
BÜLBÜL M., SİNEN O., ABUEİD L., AKKOYUNLU G.  
ACTA PHYSIOLOGICA, vol.225, pp.47, 2018 (SCI-Expanded)
- XI. **Stress-induced Alterations in Colonic Neuronal Apelin and CRF**  
AKKOYUNLU G., BÜLBÜL M., SİNEN O., ABUEİD L.  
ACTA PHYSIOLOGICA, vol.225, pp.63, 2018 (SCI-Expanded)
- XII. **Central apelin administration and restraint stress induce hypothalamic cholecystokinin release via the APJ receptor**  
BÜLBÜL M., SİNEN O., ABUEID L., AKKOYUNLU G., ÖZSOY Ö.  
JOURNAL OF NEUROENDOCRINOLOGY, vol.30, no.9, 2018 (SCI-Expanded)
- XIII. **Apelin-APJ system is responsible for stress-induced increase in atrial natriuretic peptide expression in rat heart**  
Izgut-Uysal V. N., Acar N., Birsen I., Ozcan F., Ozbey O., Soylu H., Avci S., Tepekoz F., Akkoyunlu G., Yucel G., et al.  
TISSUE & CELL, vol.51, pp.91-96, 2018 (SCI-Expanded)
- XIV. **Superovulation alters DNA methyltransferase protein expression in mouse oocytes and early embryos**  
Uysal F., ÖZTÜRK S., AKKOYUNLU G.  
JOURNAL OF ASSISTED REPRODUCTION AND GENETICS, vol.35, no.3, pp.503-513, 2018 (SCI-Expanded)
- XV. **DNMT1, DNMT3A and DNMT3B proteins are differently expressed in mouse oocytes and early embryos**  
Uysal F., ÖZTÜRK S., AKKOYUNLU G.  
JOURNAL OF MOLECULAR HISTOLOGY, vol.48, no.5-6, pp.417-426, 2017 (SCI-Expanded)
- XVI. **Apelin Contributes to Stress-induced Changes in Large Bowel Motor Functions Through CRF-independent Neuronal Paracrine Pathway**  
BÜLBÜL M., Gok M., AKKOYUNLU G.  
ACTA PHYSIOLOGICA, vol.221, pp.87, 2017 (SCI-Expanded)
- XVII. **DNA methyltransferases exhibit dynamic expression during spermatogenesis**  
UYDAL F., AKKOYUNLU G., ÖZTÜRK S.  
REPRODUCTIVE BIOMEDICINE ONLINE, vol.33, no.6, pp.690-702, 2016 (SCI-Expanded)
- XVIII. **The Protective Effect of Central Exogenous Neuropeptide-S on Parkinson's Disease**  
BÜLBÜL M., SİNEN O., UYSAL V. N., ÖZSOY Ö., AKKOYUNLU G., PARLAK H., Ozkan A., BIRSEN I., Agar A.  
ACTA PHYSIOLOGICA, vol.218, pp.71, 2016 (SCI-Expanded)
- XIX. **The Effect of Apelin on the Expression of Atrial Natriuretic Peptide in Cardiac Tissue**  
Uysal V. N., Acar N., Birsen I., Ozcan F., Özbeý Ünlü Ö., Soylu H., Avci S., Tepekoz F., Akkoyunlu G., Yucel G., et al.  
ACTA PHYSIOLOGICA, vol.218, pp.26, 2016 (SCI-Expanded)
- XX. **Central Apelin Inhibits Gastric Motility via APJ Receptor-mediated Vagal Efferent Pathway**  
BIRSEN I., BÜLBÜL M., SİNEN O., ÖZSOY Ö., AKKOYUNLU G., Uysal V. N. I.  
ACTA PHYSIOLOGICA, vol.218, pp.24, 2016 (SCI-Expanded)
- XXI. **2100-MHz electromagnetic fields have different effects on visual evoked potentials and oxidant/antioxidant status depending on exposure duration**  
Hidisoglu E., GOK D., ER H., Akpinar D., UYSAL F., AKKOYUNLU G., ÖZEN Ş., Agar A., YARGIÇOĞLU P.  
Brain Research, vol.1635, pp.1-11, 2016 (SCI-Expanded)
- XXII. **The effect of FSH and activin A on Akt and MAPK1/3 phosphorylation in cultured bovine ovarian cortical strips**  
TEPEKOY F., AKKOYUNLU G.  
JOURNAL OF OVARIAN RESEARCH, vol.9, 2016 (SCI-Expanded)
- XXIII. **The poly(A)-binding protein genes, EPAB, PABPC1, and PABPC3 are differentially expressed in infertile men with non-obstructive azoospermia**  
ÖZTÜRK S., Sozen B., UYSAL F., Bassorgun I. C., USTA M. F., AKKOYUNLU G., DEMİR N.  
JOURNAL OF ASSISTED REPRODUCTION AND GENETICS, vol.33, no.3, pp.335-348, 2016 (SCI-Expanded)
- XXIV. **Constantin von Economo (1876-1931) and his legacy to neuroscience**

- Kaya Y., UYSAL H., AKKOYUNLU G., SARIKCIÖGLU L.  
CHILD'S NERVOUS SYSTEM, vol.32, no.2, pp.217-220, 2016 (SCI-Expanded)
- XXV. **Immunohistochemistry of Paraffin Sections from Mouse Ovaries.**  
Akkoyunlu G., Tepekoy F.  
Methods in molecular biology (Clifton, N.J.), vol.1457, pp.269-74, 2016 (SCI-Expanded)
- XXVI. **CD90 and CD105 expression in the mouse ovary and testis at different stages of postnatal development**  
TEPEKOY F., ÖZTÜRK S., SOZEN B., OZAY R. S., AKKOYUNLU G., DEMİR N.  
REPRODUCTIVE BIOLOGY, vol.15, no.4, pp.195-204, 2015 (SCI-Expanded)
- XXVII. **Edward Flatau (1868-1932) and his eponym**  
Kaya Y., AKKOYUNLU G., SARIKCIÖGLU L.  
CHILD'S NERVOUS SYSTEM, vol.31, no.11, pp.1995-1997, 2015 (SCI-Expanded)
- XXVIII. **Dynamic expression of DNA methyltransferases (DNMTs) in oocytes and early embryos**  
UYDAL F., AKKOYUNLU G., ÖZTÜRK S.  
BIOCHIMIE, vol.116, pp.103-113, 2015 (SCI-Expanded)
- XXIX. **The role of Wnt signaling members in the uterus and embryo during pre-implantation and implantation**  
Tepekoy F., AKKOYUNLU G., Demir R.  
JOURNAL OF ASSISTED REPRODUCTION AND GENETICS, vol.32, no.3, pp.337-346, 2015 (SCI-Expanded)
- XXX. **Protein kinase C isoforms alpha, delta and epsilon are differentially expressed in mouse ovaries at different stages of postnatal development**  
Tepekoy F., ÜSTÜNEL İ., AKKOYUNLU G.  
JOURNAL OF OVARIAN RESEARCH, vol.7, 2014 (SCI-Expanded)
- XXXI. **Expression of nuclear factor erythroid 2-related factor 2 (Nrf2) and peroxiredoxin 6 (Prdx6) proteins in healthy and pathologic placentas of human and rat.**  
Acar N., Soylu H., Edizer I., Ozbey Ö., Er H., Akkoyunlu G., Gemici B., Üstünel İ.  
Acta histochemica, vol.116, no.8, pp.1289-300, 2014 (SCI-Expanded)
- XXXII. **Bilateral total ovarian hypoplasia in a Holstein Friesian heifer**  
AKKOYUNLU G., Tepekoy F., Bebis A., Uysal F.  
ACTA HISTOCHEMICA, vol.116, no.8, pp.1519-1521, 2014 (SCI-Expanded)
- XXXIII. **Expression of vascular endothelial growth factor and transforming growth factor alpha in rat testis during chronic renal failure**  
Seval-Celik Y., AKKOYUNLU G., Kocamaz E., KÖKSAL İ. T., Ozer S., Baykara M., Demir R.  
FOLIA HISTOCHEMICA ET CYTOBIOLOGICA, vol.52, no.4, pp.308-316, 2014 (SCI-Expanded)
- XXXIV. **The effects of docosahexaenoic acid on glial derived neurotrophic factor and neuritin in bilateral rat model of Parkinson's disease**  
TANRİÖVER G., Seval-Celik Y., Ozsoy O., AKKOYUNLU G., Savcioglu F., Hacioglu G., DEMİR N., Agar A.  
FOLIA HISTOCHEMICA ET CYTOBIOLOGICA, vol.48, no.3, pp.434-441, 2010 (SCI-Expanded)
- XXXV. **OVARIAN FOLLICLE CULTURE SYSTEMS FOR MAMMALS**  
Albertini D. F., AKKOYUNLU G.  
GUIDE TO TECHNIQUES IN MOUSE DEVELOPMENT, PT A: MICE, EMBRYOS, AND CELLS, 2ND EDITION, vol.476, pp.107-121, 2010 (SCI-Expanded)
- XXXVI. **Report of a new case with loose anagen hair syndrome and scanning electron microscopy findings**  
Dicle O., Velipasaoglu S., Ozenci C. C., Akkoyunlu G., Demir N.  
INTERNATIONAL JOURNAL OF DERMATOLOGY, vol.47, no.9, pp.936-938, 2008 (SCI-Expanded)
- XXXVII. **The distribution of transglutaminase in the rat oocytes and embryos**  
Akkoyunlu G., Uestuenel I., Demir R.  
THERIOGENOLOGY, vol.68, no.6, pp.834-841, 2007 (SCI-Expanded)
- XXXVIII. **Immunolocalization of glial cell-derived neurotrophic factor (GDNF) and its receptor GFR-alpha 1 in varicocele-induced rat testis**  
Akkoyunlu G., ERDOĞRU T., SEVAL Y., Ustunel I., Koksal T., Usta M. F., Baykara M., Demir R.

- ACTA HISTOCHEMICA, vol.109, no.2, pp.130-137, 2007 (SCI-Expanded)
- XXXIX. **Origin of leukocytes and their profile in follicular aspirates**  
AKKOYUNLU G.  
HUMAN REPRODUCTION, vol.21, no.9, pp.2455, 2006 (SCI-Expanded)
- XL. **Increased expression of interleukin-1alpha and interleukin-1beta is associated with experimental varicocele**  
Şahin Z., ÜSTÜNEL İ., ÇELİK ÖZENCİ Ç., AKKOYUNLU G., KORGUN E. T., ACAR N., ERDOĞRU T., DEMİR R.  
Fertil Steril, vol.85, pp.1265-1275, 2006 (SCI-Expanded)
- XLI. **The Fas system may have a role in male reproduction**  
Celik-Ozenci C., ŞAHİN Z., Ustunel I., Akkoyunlu G., ERDOĞRU T., Korgun E. T., Baykara M., Demir R.  
FERTILITY AND STERILITY, vol.85, pp.1168-1178, 2006 (SCI-Expanded)
- XLII. **The Fas system may have a role in male reproduction**  
ÇELİK ÖZENCİ Ç., ŞAHİN Z., ÜSTÜNEL İ., AKKOYUNLU G., ERDOĞRU T., KORGUN E. T., BAYKARA M., DEMİR R.  
Fertil Steril, vol.85, pp.1168-1178, 2006 (SCI-Expanded)
- XLIII. **Increased expression of interieukin-1 alpha and interleukin-1 beta is associated with experimental varicocele**  
Şahin Z., Celik-Ozenci C., Akkoyunlu G., Korgun E. T., Acar N., Erdoğru T., Demir R., Ustunel I.  
FERTILITY AND STERILITY, vol.85, pp.1265-1275, 2006 (SCI-Expanded)
- XLIV. **Localization of NGF and nNOS in varicocele-induced rat testis**  
Celik-Ozenci C., BAYRAM Z., Akkoyunlu G., Korgun E. T., ERDOĞRU T., SEVAL Y., Ustunel I., Baykara M., Demir R.  
ACTA HISTOCHEMICA, vol.107, no.6, pp.435-442, 2006 (SCI-Expanded)
- XLV. **Effect of experimental varicocele on the expressions of notch 1, 2, and 3 in rat testes: an immunohistochemical study**  
Sahin Z., Bayram Z., Celik-Ozenci C., Akkoyunlu G., Seval Y., Erdogan T., Ustunel I., Baykara M., Demir R.  
FERTILITY AND STERILITY, vol.83, no.1, pp.86-94, 2005 (SCI-Expanded)
- XLVI. **Expression of integrin alpha 5 and integrin beta 4 and their extracellular ligands fibronectin and laminin in human decidua during early pregnancy and its sex steroid-mediated regulation**  
Kayisli U., Korgun E. T., Akkoyunlu G., Arici A. G., Demir R.  
ACTA HISTOCHEMICA, vol.107, no.3, pp.173-185, 2005 (SCI-Expanded)
- XLVII. **Immunocytochemical detection of synaptophysin in enteric neurones during prenatal development in the rat stomach**  
Asar M., Bayram Z., Korgun E. T., Tertemiz F., Akkoyunlu G., Demir R.  
ANATOMIA HISTOLOGIA EMBRYOLOGIA-JOURNAL OF VETERINARY MEDICINE SERIES C, vol.33, no.3, pp.135-140, 2004 (SCI-Expanded)
- XLVIII. **Expressions of VEGF and its receptors in rat corpus luteum during interferon alpha administration in early and pseudopregnancy**  
Celik-Ozenci C., Akkoyunlu G., Korgun E. T., Savas B., Demir R.  
MOLECULAR REPRODUCTION AND DEVELOPMENT, vol.67, no.4, pp.414-423, 2004 (SCI-Expanded)
- XLIX. **Immunohistochemical and ultrastructural changes in the renal cortex of cadmium-treated rats**  
Asar M., Kayisli Ü. A., Izgut-Uysal V. N., Akkoyunlu G.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.97, no.3, pp.249-263, 2004 (SCI-Expanded)
- L. **Distribution patterns of matrix metalloproteinase (MMP)-2 and-9 and their inhibitors (TIMP-1 and TIMP-2) in the human decidua during early pregnancy**  
Seval Y., AKKOYUNLU G., Demir R., Asar M.  
ACTA HISTOCHEMICA, vol.106, no.5, pp.353-362, 2004 (SCI-Expanded)
- LI. **The zonal distributions of alkaline phosphatase, adenosine triphosphatase, laminin, fibronectin and chondroitin 4-sulphate in growing rat humerus proximal epiphyseal cartilage: a histochemical and an immunohistochemical study**  
Ustunel I., ŞAHİN Z., Akkoyunlu G., Demir R.  
ANATOMIA HISTOLOGIA EMBRYOLOGIA, vol.32, no.6, pp.356-361, 2003 (SCI-Expanded)
- LII. **Localization of vascular endothelial growth factor in the zona pellucida of developing ovarian**

- follicles in the rat: a possible role in destiny of follicles**  
 Celik-Ozenci C., Akkoyunlu G., Kayishi U. A., Arıcı A., Demir R.  
*HISTOCHEMISTRY AND CELL BIOLOGY*, vol.120, no.5, pp.383-390, 2003 (SCI-Expanded)
- LIII. **The potential role of advanced glycation end product and iNOS in chronic renal failure-related testicular dysfunction - An experimental study**  
 Koksal I., Usta M. F., Akkoyunlu G., TOPTAS B., Gulkesen K. H., Erdogan T., TUNCER M., Baykal A., ERSOY F. F., Demir R., et al.  
*AMERICAN JOURNAL OF NEPHROLOGY*, vol.23, no.5, pp.361-368, 2003 (SCI-Expanded)
- LIV. **The effect of testosterone on gastrocnemius muscle fibres in growing and adult male and female rats: A histochemical, morphometric and ultrastructural study**  
 Ustunel I., Akkoyunlu G., Demir R.  
*ANATOMIA HISTOLOGIA EMBRYOLOGIA*, vol.32, no.2, pp.70-79, 2003 (SCI-Expanded)
- LV. **Fiber structure of optic nerve in cadmium-exposed diabetic rats: An ultrastructural study**  
 Demir N., Akkoyunlu G., Yargicoglu P., Agar A., Tanriover G., Demir R.  
*INTERNATIONAL JOURNAL OF NEUROSCIENCE*, vol.113, no.3, pp.323-337, 2003 (SCI-Expanded)
- LVI. **Distribution patterns of leucocyte subpopulations expressing different cell markers in the cumulus-oocyte complexes of pregnant and pseudopregnant mice**  
 Akkoyunlu G., Korgun E. T., Celik-Ozenci C., Seval Y., Demir R., Ustunel I.  
*REPRODUCTION FERTILITY AND DEVELOPMENT*, vol.15, no.7, pp.389-395, 2003 (SCI-Expanded)
- LVII. **Distribution patterns of TGF-alpha, laminin and fibronectin and their relationship with folliculogenesis in rat ovary**  
 Akkoyunlu G., Demir R., Ustunel I.  
*ACTA HISTOCHEMICA*, vol.105, no.4, pp.295-301, 2003 (SCI-Expanded)
- LVIII. **Effect of cadmium on sciatic nerve in diabetic rats: An ultrastructural study**  
 Demir N., Akkoyunlu G., Agar A., Yargicoglu P., Tanriover G., Demir R.  
*INTERNATIONAL JOURNAL OF NEUROSCIENCE*, vol.112, no.7, pp.779-796, 2002 (SCI-Expanded)
- LIX. **Comparing the effects of fixed-dose, step-down, and low dose step-up regimens of rFSH on endometrial receptivity in PCOS patients**  
 Taskin O., AKKOYUNLU G., Demir R., Sadik S., Onoglu A., Wheeler J.  
*FERTILITY AND STERILITY*, vol.76, no.3, 2001 (SCI-Expanded)
- LX. **Comparing the effects of tibolone and hormone replacement therapy on endometrial estrogen receptor (ER) isoforms, ER-alpha and ER-beta: placebo controlled randomized study**  
 Taskin O., AKKOYUNLU G., Demir R., Sadik S., Onoglu A., Wheeler J.  
*FERTILITY AND STERILITY*, vol.76, no.3, 2001 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Dnmt3a and Dnmt3b expressions decrease after cryopreservation and re-transplantation of ovarian tissue**  
 Uysal F., ÇELİK S., ÇELİKKAN F. T., ÇELİK ÖZENCİ Ç., ÖZKAVUKÇU S., Can A., Akkoyunlu G.  
*Akdeniz Tıp Dergisi*, vol.9, no.1, pp.82-89, 2023 (Peer-Reviewed Journal)
- II. **Sıçan fetüslerinde Humerus primer ossifikasyon bölgesi gelişimi : Histolojik ve histokimyasal bir çalışma**  
 ÜSTÜNEL İ., AKKOYUNLU G., KOCAMAZ E., DEMİR R.  
*TURKISH JOURNAL OF BIOLOGY*, no.24, pp.1-10, 2000 (Peer-Reviewed Journal)
- III. **Sıçan fetüslerinde Humerus primer ossifikasyon bölgesi gelişimi : Histolojik ve histokimyasal bir çalışma**  
 ÜSTÜNEL İ., AKKOYUNLU G., DEMİR R.  
*Turk J Biol*, no.24, pp.1-10, 2000 (Peer-Reviewed Journal)
- IV. **Sıçan ovaryumunda Transforme - Edici Gelişim Faktörü Alfa laminin, Fibronektin ve Desmin'in**

- immünohistokimyasal Dağılımı.**  
 AKKOYUNLU G., ÜSTÜNEL İ., DEMİR R.  
 Turkish Journal of Biology, vol.24, no.3, pp.467-481, 2000 (Peer-Reviewed Journal)
- V. **Sıçan ovaryumunda Transforme - Edici Gelişim Faktörü Alfa laminin, Fibronektin ve Desmin'in immünohistokimyasal Dağılımı.**  
 ÜSTÜNEL İ., DEMİR R., AKKOYUNLU G.  
 Tr. J. of Biology, vol.24, no.3, pp.467-481, 2000 (Peer-Reviewed Journal)
- VI. **Effect of cadmium (Cd++) induced lipid peroxidation on peripheral nerve of diabetics rats: an ultrastructural study**  
 DEMİR N., Edremitlioğlu M., AĞAR A., YARGIÇOĞLU AKKIRAZ P., AKKOYUNLU G., Polat S., DEMİR R.  
 Tr. J. Med. Sci., vol.1, pp.95, 1995 (Peer-Reviewed Journal)
- VII. **Effect of cadmium (Cd++) on neurons of visual cortex in developing rats.**  
 DEMİR N., YARGIÇOĞLU AKKIRAZ P., AĞAR A., AKKOYUNLU G., Polat S., Demir R.  
 Tr. J. Med. Sci., vol.1, pp.96, 1995 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Molecular and cellular integrity of cultured follicles**  
 Albertini D. F., AKKOYUNLU G., Kim S. S.  
 in: Principles and Practice of Fertility Preservation, Jacques Donnez, S. Samuel Kim, Editor, Cambridge University Press, Cambridge (MA), USA , New York, pp.389-396, 2011
- II. **Spermatogenez**  
 ÇELİK ÖZENCİ Ç., Akkoyunlu G.  
 in: Histoloji ve Hücre Biyolojisi-Patolojiye Giriş,, Demir R, Editor, Palme Yayınevi, Ankara, pp.529-550, 2006
- III. **İmmunohistokimya Uygulamaları ve Örnek Protokolleri**  
 DEMİR R., ÜSTÜNEL İ., DEMİR N., AKKOYUNLU G., Yilmazer S., Ozturk M., KORGUN E. T.  
 in: Histolojik Boyama Teknikleri, Demir R., Editor, Palme Yayıncılık, Ankara, pp.285-307, 2001

## Refereed Congress / Symposium Publications in Proceedings

- I. **Pubertal high-fat diet interferes with the ovarian kisspeptin ligand and receptor expressions regulating female fertility**  
 DOĞAN M., KILINÇ L., SİNEN O., BÜLBÜL M., AKKOYUNLU G.  
 37th Virtual Annual Meeting of the European Society of Human Reproduction and Embryology, Online, United Kingdom, 26 June - 01 July 2021, pp.428-429
- II. **A Comprehensive in Vivo Study Using Drosophila melanogaster: New Insights into Mechanisms and Biological Effects of Permethrin N anopesticides**  
 DEMİR E., KANSIZ S., DOĞAN M., TOPEL Ö., AKKOYUNLU G., KANDUR M. Y.  
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- III. **Kolonik Nöronal Apelin ve CRF'de Strese Bağlı Değişimler**  
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