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<b>Date of Birth</b>	17.11.1980		
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### PhD Thesis

"Effect of Antioxidants on Cryopreservation of Ram Semen in and out of Breeding Season"  
(Selcuk University, 2011)

**Adviser** : Prof.Dr. Kenan ÇOYAN

### Manuscripts in International J.

1-Çoyan, K., Başpınar N., Bucak MN, Peker-Akalın, P., Ataman, M.B., **Ömür AD.**, Güngör, Ş., Küçükğünay, S., Özkalp, B., Sarıözkan, S. (2010): Influence of methionine and dithioerythritol on sperm motility, lipid peroxidation and antioxidant capacities during liquid storage of ram semen. *Research in Veterinary Science*, 89 (3), 426–431.

2-Bucak MN, Çoyan K, Öztürk C, Güngör Ş, **Ömür AD** (2012) Methionine supplementation improves ram sperm parameters during liquid storage at 5°C. *Cryobiology*, 65, 335-337.

3- AKSU, E.H., AKMAN, O., ÖZKARACA, M., **ÖMÜR, A.D.**, UÇAR, Ö., (2015) Effect of Maclura Pomifera Extract on Cisplatin-Induced Damages in Reproductive System of Male Rats. *Kafkas Univ Vet Fak Derg* 21 (3): 397-403, 2015 DOI: 10.9775/kvfd.2014.12662

- 4- AKSU, E., KANDEMİR, F., KILIÇ K, AKMAN, O., ÖMÜR, A., UÇAR, Ö. "Arginase activity of ovarian structures in cows of Brown Swiss and its cross-breeds" VETERINARSKI ARHIV 85 (3), 261-271, 2015.
- 5- OMUR AD, COYAN K. Protective effects of the antioxidants curcumin, ellagic acid and methionine on motility, mitochondrial transmembrane potential, plasma membrane and acrosome integrity in freeze-thawed Merino ram sperm. Veterinarni Medicina, 61, 2016 (1): 10–16. doi: 10.17221/8677-VETMED
- 6- E. H. Aksu, O. Akman, A. D. Omur, E. Karakus, I. Can, F. M. Kandemir, E. Dorman, O.Ucar. 3,3 diindolylmethane leads to apoptosis, decreases sperm quality, affects blood estradiol 17  $\beta$  and testosterone, oestrogen ( $\alpha$  and  $\beta$ ) and androgen receptor levels in the reproductive system in male rats. Andrologia,48(10) 1155-1165. doi: 10.1111/and.12554
- 7- E. H. Aksu, M.Ozkaraca, F. M. Kandemir, A. D. Omur, E. Eldutar, S. Kucukler, S. C omaklı (2016). Mitigation of paracetamol-induced reproductive damage by chrysin in male rats via reducing oxidative stress. Andrologia, 48(10):1145-1154. doi: 10.1111/and.12553
- 8-ÖMÜR ALİ DOĞAN, KANDEMİR FATİH MEHMET, APAYDIN YILDIRIM BETÜL, AKMAN ORHAN, AKTAŞ ŞENOCAK ESRA, ELDUTAR EYUP, AKSU EMRAH HİCAZİ (2016). Protective Effect of Dandelion (*Taraxacum officinale*) Extract Against Gentamicin–Induced Reproductive Damage in Male Rats. Kafkas Univ Vet Fak Derg 22 (6): 929-936, 2016 DOI: 10.9775/kvfd.2016.15666
- 9-AKSU EMRAH HİCAZİ, KANDEMİR FATİH MEHMET,ÖZKARACA MUSTAFA,ÖMÜR ALİ DOĞAN, KÜÇÜKLER SEFA, ÇOMAKLI SELİM (2017). Rutin ameliorates cisplatin-induced reproductive damage via suppression of oxidative stress and apoptosis in adult male rats. Andrologia, doi: 10.1111/and.12593
- 10- AKSU EMRAH HİCAZİ, KANDEMİR FATİH MEHMET, ALTUN SERDAR, KÜÇÜKLER SEFA, ÇOMAKLI SELİM, ÖMÜR ALİ DOĞAN (2016). Ameliorative Effect of Carvacrol on Cisplatin-Induced Reproductive Damage in Male Rats. Journal of Biochemical and Molecular Toxicology, doi: 10.1002/jbt.21816
- 11- Omur A., Kirbas A., Aksu E., Kandemir F., Dorman E., Kaynar O., Ucar O. (2016) Effects of antioxidant vitamins (A, D, E) and trace elements (Cu, Mn, Se, Zn) on some metabolic and reproductive profiles in dairy cows during transition period. Polish Journal of Veterinary Sciences Vol. 19, No. 4 (2016), 697–706
- 12- ÖMÜR AD, APAYDIN YILDIRIM B, KANDEMİR FM, AKMAN O, AKTAŞ ŞENOCAK E, AKSU EH (2017) Can *Taraxacum officinale* (Dandelion) Extract Be An Alternative of Paracetamol in Inflammatory and Painful Cases? An evaluation with Regard to Biochemical and Reproductive Parameters. Kafkas Universitesi Veteriner Fakultesi Dergisi, DOI: 10.9775/kvfd.2016.15741
- 13- S. Gungor, C. Ozturk, A.D. Omur. Positive effects of trehalose and cysteine on ram sperm parameters. Veterinarni Medicina, 62, 2017 (05): 245–252 doi: 10.17221/131/2016-VETMED

14- Belhan S, Özkaraca M, Kandemir FM, Gülyüz F, Yıldırım S, Ömür AD, Yener Z: Effectiveness of hesperidin on methotrexate-induced testicular toxicity in rats. *Kafkas Univ Vet Fak Derg*, 23 (5): 789-796, 2017. DOI: 10.9775/kvfd.2017.17752

15- A.D. Omur, B.Yildirim , Y.S. Saglam , S. Comakli , M. Ozkaraca. Activity of resveratrol on the influence of aflatoxin B1 on the testes of Sprague dawley rats. *Polish Journal of Veterinary Sciences* Vol. 22, No. 2 (2019) DOI 10.24425/pjvs.2019.129222

### **Manuscripts in National J.**

1-Başpınar N., Çoyan, K., Bucak, M.N., **Ömür AD.**, Ataman, M.B., Akalın, P.P, Güngör, Ş., Öztürk C. (2011): Effect of lipoic acid on spermatological and biochemical parameters following equilibration and freeze-thawing of ram semen. *Eurasian J. Vet. Sci.* 27 (2) 87-92.

2- **Ömür, A.D**, Çoyan, K. (2014): Effect of Antioxidants on Cryopreservation of Ram Semen in and out of Breeding Season. *Erciyes Univ. J. Of Veterinary Faculty.* 11(1), 29-36, 2014.

3- Peker Akalın P , Başpınar N , Çoyan K , Bucak MN , Ataman MB , **Ömür AD** , Bilgili A , Güngör Ş , Sarıözkan S , Öztürk C , Bodu M , Acibaeva B. Effects of Extenders Containing Methionine and Trehalose on Ram Sperm Acrosome Integrity and Some Biochemical Parameters After Freeze-Thawing. *Journal of Bahri Dagdas Animal Research* 3 (1):7-15, 2015.

4- **Ömür, A.D.**, (2014): The Factors Ensuring the Progress of Sperm Cells in the Female Genital Tract. *Atatürk Üniversitesi Vet. Bil. Derg.* 2014; 9(3): 206-212

5- **Ömür, A.D.**, (2014): Effect of Antioxidants on Cryopreservation of Ram Semen. *Atatürk Üniversitesi Vet. Bil. Derg.* 2015; 10(1): 61-69

6- AKSU EMRAH HİCAZİ, ÖMÜR ALİ DOĞAN, KANDEMİR FATİH MEHMET, KIRBAŞ AKIN (2016). Comparison of some minerals, hormonal and metabolic parameters in Brown Swiss cattle depending on the gender of offspring in transition period. *Atatürk Üniversitesi Veteriner Bilimleri Dergisi, Atatürk Üniversitesi Vet. Bil. Derg.* 2016; 11(2): 173-177

### **Reports in National/International Conference**

1-Çoyan, K., **Ömür AD.**, Başpınar N., Akalın, P.P, Güngör, Ş., Bucak, M.N., (2009): Shortly period preservation of ram semen with extenders containing methionine and dithioerythrole. 5.National Congress of Reproduction and Artificial Insemination, Elazığ.

2-Başpınar N., Güngör, Ş., Çoyan, K., **Ömür AD.**, Ataman, M. B., Bucak, M.N., (2010): Fluorescent microscopic evaluation of sperm parameters at Merino ram semen freezed with different antioxidants. IV. Congress of Veterinary Gynecology, November 4-7, 2010, Belek-Antalya.

3-Çoyan, K., Öztürk, C., Ataman, M. B., Başpınar, N. , Güngör, Ş., **Ömür AD .**, Bucak M.N. (2010) The effect of additives in the extender including the pigeon egg yolk on sperm parameters IV. Congress of Veterinary Gynecology, November 4-7, 2010, Belek-Antalya.

4-PP Akalın, MN Bucak, PB Tuncer, S Sarıözkan, N Başpınar, K Çoyan, **AD Ömür** (2010). The Effect of antioxidants on Sperm Parameters, Lipid peroxidation, (LPO), Total Glutathione (Total GSH) and Antioxidant Potential (AOP) Activities of Post-Thawed bovine Semen, 3rd International Congress on Cell Membranes and Oxidative Stress: Focus on Calcium Signaling and TRP Channels, Isparta

5-Çoyan, K., Güngör, Ş., Başpınar N., **Ömür AD.**, Öztürk, C., Bucak, M.N., Ataman, M. B., (2011): Effect of sperm parameters at YGS Bull semen freezed with BHT and cystine antioxidants. VI. National Congress (with international participation) on Animal Reproduction and Artificial Insemination, May 18-22, 2011 Antalya/TURKEY

6-Başpınar N., Çoyan, K., Akalın, P.P, **Ömür AD.**, Güngör, Ş., Öztürk, C., Bucak M.N. (2011) Effect of extenders including different egg yolk and antioxidants on ram semen membran integrity and biochemical parameters after freeze-thawing process. V. National Cogress of Veterinary Biochemistry and Clinical Biochemistry – 6-8 Sep., 2011, Aydın.

7-**Ömür AD.**, Çoyan, K. " Effect of Antioxidants on Cryopreservation of Ram Semen in and out of Breeding Season. VII. National Science Congress on Reproduction and Artificial Insemination, 1-4 July 2013, Kars

8- **Ömür AD.**, Çoyan, K., Öztürk, C., Güngör, Ş., Bucak M.N. (2014) The effects of curcumin, ellagic acid and methionine on post-thawed Merino rams sperm parameters. The FASEB Journal. 28 (1).759.1

9- AKSU, E., KANDEMİR, F., , AKMAN, O., **ÖMÜR, A.**, UÇAR, Ö. "Investigation of arginase activities of ovarian structures in cows of brown swiss and its cross-breeds. International Scientific Congress, Iasi 23-25 October 2014- Scientific Papers Veterinary Medicine

10-AKSU, E., AKMAN, O., ÖZKARACA, M., **ÖMÜR, A.**, UÇAR, Ö. "Effect of Maclura Pomifera extract against cisplatin-induced damages in male reproductive system. International Scientific Congress, Iasi 23-25 October 2014- Scientific Papers Veterinary Medicine

11, Kenan Çoyan, Mustafa Numan Bucak, Caner Öztürk, Şükrü Güngör, Ali Doğan Ömür " Methionine supplementation improves ram sperm parameters during liquid storage at 5 °C". Reproductive biology 13s (2013) 22–64.

12- Aksu E.H.,Akman O., Ömür AD., Karakuş E., Can İ., Kandemir FM., Dorman E., Uçar Ö. 2015. Effects of diindolylmethane on reproductive system in male rats. II International VETistanbul Group Congress-Saint Petersburg, Russia, 7-9 April 2015

13- ÖMÜR, A., YILDIRIM,BA., KANDEMİR, F., AKMAN, O., SENOCAK, EA., AKSU, E. "Effects of paracetamol on reproductive and biochemical parameters in male rats". II International VETistanbul Group Congress-Saint Petersburg, Russia, 7-9 April 2015

14- ÖMÜR, A., KIRBAŞ, A., AKSU, E., KANDEMİR, F., DORMAN,E., KAYNAR, Ö., UÇAR, Ö. "Effects of antioxidant vitamins (A, D, E) and trace elements (Se, Cu, Mn, Zn) on

some metabolic and reproductive profiles in dairy cows during periparturient period". II International VETistanbul Group Congress-Saint Petersburg, Russia, 7-9 April 2015

15- ÖMÜR, A., KANDEMİR, F., YILDIRIM, BA., AKMAN, O., SENOCAK, EA., ELDUTAR, E., AKSU, E. "Effects of taraxacum officinale extract against gentamycin-induced reproductive damage in male rats". II International VETistanbul Group Congress-Saint Petersburg, Russia, 7-9 April 2015

16- ÖMÜR, A., YILDIRIM, BA., KANDEMİR, F., AKMAN, O., SENOCAK, EA., AKSU, E. "Investigation of efficacy of taraxacum officinale extract on reproductive and biochemical parameters in male rats". II International VETistanbul Group Congress-Saint Petersburg, Russia, 7-9 April 2015

17- ÖMÜR, A., ÖZTÜRK C., GÜNGÖR Ş. "Effects of trehalose and cysteine on Merino rams sperm motility and acrosome integrity during short term storage". II International VETistanbul Group Congress-Saint Petersburg, Russia, 7-9 April 2015

18- Ömür AD, Apaydin Yildirim B, Kucukler S. Effects of Vitis vinifera L. cv."Merlot" Seed Extract against Thallium(I) Sulphate Induced Reproductive Damage in Male Rats. 1st Annual International Conference on Veterinary and Animal Sciences, December 15-16, 2015, Sri Lanka.

19- K.Çoyan. P. Peker Akalın, N. Başpınar, A. Doğan Ömür, Ş. Güngör, C. Öztürk, M.N. Bucak. Effects of Cystine and Butylated Hydroxytoluene (BHT) on lipid peroxidation, total glutathione levels and glutathione peroxidase (GPx) activity of post-thawed bovine semen. 49th Annual Conference of Physiology & Pathology of Reproduction and also 41th Joint Conference on Veterinary and Human Reproductive Medicine. Leipzig, Germany, February, 10-12, 2016

20- Ömür AD, Apaydin Yildirim B, Kucukler S. Effects of Helichrysum plicatum extract against *Thallium(I) sulphate*-induced reproductive damage in male rats. Experimental Biology 2016 Program - Poster Sessions. Education And/Or Professional Development In Biochemistry And Molecular Biology, 886.2, 277, 2016.

21- Emrah Hicazi AKSU, Ali Doğan ÖMÜR, Fatih Mehmet KANDEMİR, Akın KIRBAŞ. Comparison of metabolic profile in Brown Swiss cows that bearing male and female calf in periparturient period. 5TH ANIMAL HEALTH AND VETERINARY MEDICINE CONGRESS, 26-28 September 2016, Valencia, SPAIN.

22- Emrah Hicazi AKSU, Mustafa ÖZKARACA, Fatih Mehmet KANDEMİR, Ali Doğan ÖMÜR, Eyüp ELDUTAR, Sefa KÜÇÜKLER, Selim ÇOMAKLI. MITIGATION OF PARACETAMOL-INDUCED REPRODUCTIVE DAMAGE BY CHRYSIN IN MALE RATS VIA REDUCING OXIDATIVE STRESS. 8th National Science Congress on Reproduction and Artificial Insemination, 5-9 October 2016, Antalya-TURKEY.

### **Book Translation (area of expertise)**

Kırbaş, A., Ömür, A.D., Doğan, E. (2014) "Cattle Medicine."

### **Membership to Scientific and Vocational Organizations**

Cell Death Research Society, 2011

The American Society for Biochemistry and Molecular Biology, 2013

The Association of Reproduction and Artificial Insemination, 2015

### **Experience abroad**

Erasmus Doctorate Scholarship, Selçuk Univ. Erasmus LLP Coordinatorship, 2009 (Erasmus PhD Education, Università Degli Studi di Torino Facoltà di Medicina Veterinaria, Torino/Italy, 20/02/2009 - 22/05/2009)

Erasmus Academic Member Mobility Scholarship, Atatürk Univ. Office of International Affairs, 2014 (2013-14 Erasmus Academician Mobility, Ion Ionescu de la Brad University of Agricultural Sciences and Veterinary Medicine of Iași, Iași /Romania, 20/01/2014-24/01/2014)

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Mevlana Exchange programme scholarship, 2015 (Nyala University-Sudan, 2 - 6 March 2015)

Erasmus Academic Member Mobility Scholarship, Atatürk Univ. Office of International Affairs, 2014 (2013-14 Erasmus Academician Mobility, Ion Ionescu de la Brad University of Agricultural Sciences and Veterinary Medicine of Iași, Iași /Romania, 2019)

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### **Awards**

Elsevier Reviewer Recognition, 2015

Certificate of Excellence in Reviewing, International Journal of Innovative Studies in Medical Sciences, 2017

### **Reviewer/Editor**

**Editor:** Kırbaç, A., Ömür, A.D., Doğan, E. (2014) "Cattle Medicine. in the press."

**Editorial Board Member:** Journal of Animal Health and Production, 2014

**Editorial Board Member:** Journal of Infection and Molecular Biology, 2014

**Editorial Board Member:** International Journal of Agriculture and Forestry Sciences, 2015

**Editorial Board Member:** European Journal of Animal Sciences, 2015

**Editorial Board Member:** European American Journal of Veterinary Research, 2015

**Editorial Board Member:** International Journal of Veterinary Health Science & Research (IJVHSR) ISSN 2332-2748, 2016

**Editorial Board Member:** Open Access Journal of Veterinary Science & Research (OAJVSR), 2016

**Reviewer:** J. of Kocatepe Veterinary

**Reviewer:** Net Journal of Agricultural Science

**Reviewer:** Journal of Infection and Molecular Biology

**Reviewer:** TURKISH JOURNAL OF VETERINARY AND ANIMAL SCIENCES, 2015

**Reviewer:** Animal Reproduction Science, 2015

**Reviewer:** Kafkas Univ Vet Fak Derg, 2016

**Reviewer:** J. of Kocatepe Veterinary, 2016

**Reviewer (project):** ATA Technocity, Technology Transfer Office, 2017

**Reviewer (project):** Aksaray University Scientific Research Projects, 2017  
**Reviewer (project):** DİCLE UNİVERSİTY - Scientific Research Projects, 2018  
**Reviewer:** Journal of Animal Health and Production, 2017  
**Reviewer:** International Journal of Veterinary Science,2018  
**Reviewer:** Czech Journal of Animal Science, 2018

**Reviewer:** International Braz J Urol, 2018

**The member of advisory committee:** J of Ataturk University Veterinay Sciences, 2014  
**Editorial Board Member:** Veterinary Sciences: Research and Reviews (2397-3463), 2015  
**Assistant Director:** Food and Livestock Breeding Application and Research Center, Atatürk University, 2017  
**Editorial Board Member:** Journal of Animal Health and Behavioural Science, 2017  
**Editorial Board Member:** International Journal of Innovative Studies in Medical Sciences (IJISMS), 2017  
**Editorial Board Member:** CONTINUOUS RESEARCH ONLINE LIBRARY (ContROL), 2017  
**Editor:**Advances in Reproductive Sciences, Reproductive Health and Infertility, 2018

**Editorial Board Member:** International Research Journal of Animal and Veterinary Sciences, 2018

**Editorial Board Member:** International Journal of Cell Science & Molecular Biology (IJCSMB),2018

**Editorial Board Member:** Journal of Ethology & Animal Science (JEASc), 2018

**Reviewer:** Environmental Toxicology, 2018

**Reviewer:** Molecular Biology Reports, 2019

**Editorial Board Member :** Global Journal of Veterinary Care and Research, 2019

## **Projects**

1-Akman, O., Uçar, Ö., Aksu, EH., Ömür AD. " Evaluation of the relationship between Hypoosmotik swelling- Eosin-Y test (HE) and fluorescent staining techniques in terms of determining of rabbit sperm membran integrity" (**Co researcher**) ” 01.07.2012-01.07.2015. (Atatürk University Scientific Research Projects)

2-**Ömür AD.**, Kırbaş, A., Aksu, EH., Kandemir, F. Investigation of the effects of exogenous antioxidative vitamins and trace elements on metabolic profile and postpartum reproductive parameters in periparturient dairy cows (**Executive**) 12.07.2013 - 12.07.2015. (Atatürk University Scientific Research Projects)

3-**Ömür AD.**, Apaydın Yıldırım, B. Investigation of effects of dandelion, paracetamol and gentamicin on reproductive parameters in rats (**Executive**) 30.12.2013- 30.12.2015. (Atatürk University Scientific Research Projects)

4- Çoyan, K., **Ömür AD.** Effect of Antioxidants on Cryopreservation of Ram Semen in Breeding and Non Breeding Season (**Co researcher**) 01.09.2008/01.09.2010. (Selçuk University Scientific Research Projects)

5- **Ömür AD.**, Aksu, EH. Effect of ferulic acid on freezable of Holstein bull semen and some biochemical parameters (**Executive**) 23.06.2015/23.10.2015 (Atatürk University Scientific Research Projects)

6- AKSU, E., ÖMÜR, A. " The effect of rutin cisplatin induced on testicular damage in male rats. (**Co researcher**) " 01.07.2015-01.07.2017 (Atatürk University Scientific Research Projects)

7- Ömür AD, Yıldırım BA, Sağlam YS. "Activity of kolaviron and resveratrol on the influence of aflatoxin B<sub>1</sub> on the testes of rats" (**Executive**) 30 - 12 - 2015, 30 - 12 - 2016 (Atatürk University Scientific Research Projects)

8- Özkaraca M, Timurkan MÖ, Ömür AD, Sağlam YS, Altun S, Aydın H, Özdemir S. "Investigation of the persistent bovine viral diarrhoea virus (BVDV) infection by the molecular and pathology methods in bovine testis" (**Co researcher**) (Atatürk University Scientific Research Projects) 04.06.2016-04.06.2017

9- Ömür AD, Kaynar Ö, Özkaraca M. Investigation of protective effects of naringin and diosmin on freezable Merinos ram semen by immunofluorescence and biochemistry method (**Executive**) (The Scientific and Technological Research Council of Turkey)15.07.2016-15.07.2017

10- Ömür AD, JOAN E. RODRÍGUEZ-GİL "Studies on the effect of photo-stimulation on the overall function and ability to capacitation of frozen-thawed sperm." (**Executive**) (Atatürk University Scientific Research Projects-International Scientific Research Cooperation Project) 09.08.2018 – 26.04.2019

### **Other Scientific Activities**

1-Certificate of Experimental Animals, Selçuk University Veterinary Faculty, Ethics Committee, Certificate Number: 2008/071

2- PhD Student, Ataturk University, Health Sciences Institute, Biochemistry, 2014 - ....



3-Panelist, The Scientific and Technological Research Council of Turkey,2015

4-Undergraduate Student, Ataturk University, Department of Molecular Biology And Genetics, 2016

5- Undergraduate Student, Anadolu University, Faculty of Economics, International Relations (Open Education), 2016

6- Ataturk University, Associate Degree Programs In The Faculty Of Open Education, Jurisprudence, 2016

7- Animal hospitals regulation, In-service training document, Erzurum, 2016

8- Basic occupational health and safety training, Ataturk University, Erzurum, 2016

9- Applied Advanced Imaging Education, Eastern Anatolia High Technology Application and Research Center, Erzurum, 2017