

# CURRICULUM VITAE

## **Ibrahim Demirkan**

*DVM, PhD*

Lecturer in Veterinary Surgery

### **Section 1**

#### **Personal Details, Qualifications and Experiences**

##### **1.1 Personal details**

***Address:***

Department of Surgery  
Faculty of Veterinary Medicine  
Kocatepe University  
03200 – Afyon, TURKEY  
Tel: ++90 272 214 9309  
Fax: ++90 272 214 9055

Date of birth: 03 May 1967  
Marital status: Married, 1 child

##### **1.2 Higher education**

1985-90	DVM, University of Ankara, Faculty of Veterinary Medicine
1992-93	Research Assistant in Veterinary Pharmacology and Toxicology University of Ankara, Turkey
1994-98	PhD, University of Liverpool “Spirochaetes in bovine digital dermatitis“

##### **1.3 Membership of professional bodies**

Turkish Veterinary Association  
Turkish Veterinary Surgeons  
New York Academy of Sciences, USA (1996-98)  
Association of Veterinary Teachers and Research Workers, UK (95-99)

## 1.4 Employment record

1990	Veterinary Surgeon (Private), Ankara, Turkey
1991	Veterinary Lieutenant, Turkish Army
1992	Veterinary Officer, Ministry of Environment, Turkey (4 months)
1993-2003	Lecturer in Veterinary Surgery (Assitant Professor) Kafkas University, Kars, Turkey
2003-Today	Lecturer in Veterinary Surgery (Associate Professor) Kocatepe University, Afyon, Turkey

## 1.5 Research Projects

1999	Research Associate, University of Liverpool “Isolation, identification and characterisation of a novel spirochaete from bovine digital dermatitis” Grade: part time
1999-2000	Senior Research Assistant, University of Liverpool “Isolation, identification and characterisation of a novel spirochaete from severe virulent ovine foot rot” Grade: C
2003-2004	Senior Research Assistant, University of Liverpool “ <i>Control of digital dermatitis in cattle: understanding transmission and spread of disease.</i> Department for Environmental, Food and Rural Affairs (DEFRA), England. Grade: A, 20K pa.

I was involved in a joint project (University of Liverpool and Ministry of Agriculture, Farm and Fisheries -UK) which aimed to establish aetio-pathogenesis of bovine digital dermatitis and new form of severe virulent ovine foot rot. Using immunomagnetic separation method, I have isolated and cultivated distinctive spirochaetes from each disease and molecular, antigenic and enzymatic analyses indicated that they are novel treponemes, yet unnamed.

The isolation and use of the treponemes have been patented by the University of Liverpool (1999-2000).

I was also employed by a joint project (DEFRA and Liverpool university, 2003-2006) titled “*Control of digital dermatitis in cattle: understanding transmission and spread of disease*”. Lesions tissue samples were obtained by punch biopsy on 10 farms in Cheshire, Gloucestershire and Northern Ireland. Subsequent culture resulted in 23 pure *Treponemes* spp. isolates. To assess genetic diversity, 16S rDNA sequence analysis, enzyme profiling, and flagellin gene sequencing were performed. A direct ELISA was utilised to investigate serological reactivity patterns.

Recently, we have named a novel spirochaete as *Treponema pedis*.  
[Int J Syst Evol Microbiol. (2009) 59: 987-91]

## 1.6 Teaching experience

- 1992-93 Demonstrator, Veterinary Pharmacology & Toxicology  
University of Ankara
- 1994-98 Demonstrator, Cattle foot health & hoof trimming  
University of Liverpool
- Demonstrator, Serological and immuno-histochemical techniques  
University of Liverpool

## 1.7 Research interest

Veterinary Surgery (main area of interest)  
Cattle lameness, particularly bovine digital dermatitis  
Veterinary immunopathology  
Veterinary microbiology (Treponemes)  
Molecular epidemiology  
Small animal orthopaedics (hip joint)

## 1.8 Other relevant activities

- 1995 Certificate, Cattle hoof trimming  
Reaseheath College, UK.
- 1995-97 President of Turkish Student Society  
University of Liverpool
- 1998 Academic Visitor  
California Veterinary Diagnostic Laboratory System  
University of California, Davis, USA

## 1.9 Languages

Fluent in Turkish and English  
Rudimentary Arabic and Spanish

## Section 2

### Publications

#### 2.1 Refereed publications

1. **Demirkan İ**, Altın S, Çevik-Demirkan A, Korkmaz M (2010) Comparison of the effects of flight restraint in the partridge (*Alectoris chukar*) by tenectomy, capsulectomy or tenectomy plus capsulectomy techniques. *Kafkas Univ Vet Fak Derg*, 16 (6): 1017-1024.
2. **Demirkan, İ.** (2004) Surgical treatment of a sloughed hoof by skin grafting in a young bull. *Canadian Veterinary Journal*, **45**, 418-420.
3. **Demirkan, İ.** ve N. Güzel, (2004) An outbreak of digital dermatitis in Turkish dairy cattle. *Indian Veterinary Journal*, **81**, 1331-1333.
4. **Demirkan, I.**, Carter, S.D., Winstanley, C., Bruce, K.D., McNair, J.M., Woodside, M., Hart, C.A. (2001) Isolation and characterisation of a novel spirochete from severe virulent ovine foot rot. *Journal of Medical Microbiology*, **50**: 1061-1068.
5. **Demirkan, I.**, Carter, S.D., Murray, R.D. (2000) Skin diseases of the bovine digit associated with lameness. *Veterinary Bulletin*, **70**: 649-670.
6. **Demirkan, I.**, Blowey, R.W., Carter, S.D., Murray, R.D., Walker, R.W. (1999) Serological evidence of spirochaetal infections associated with digital dermatitis in dairy cattle. *Veterinary Journal*, **157**: 69-77.
7. **Demirkan, I.**, Carter, S.D., Hart, C.A., Woodward, J.M. (1999) Isolation and cultivation of a spirochaete from bovine digital dermatitis. *Veterinary Record*, **145**: 497-498.
8. **Demirkan, I.**, Blowey, R.W., Murray, R.D., Carter, S.D., Woodward, J.M. (1998) The frequent detection of a treponema in bovine digital dermatitis by polymerase chain reaction and immunocytochemistry. *Veterinary Microbiology*, **60**: 285-292.
9. Balci C, Kaya E, **Demirkan İ**, Sivaci R, Ibis AH, Akbulut G, Ela Y. (2011) Effects of abdominal compartment syndrome on gastric emptying time. *Bratislava Medical Journal* (in press).
10. Çevik-Demirkan A, Özdemir V, **Demirkan I.** The ovarian and uterine arteries in the chinchilla (*Chinchilla lanigera*). *Journal of the South African Veterinary Association* (2010) 81(1): 54–57
11. Vink WD, Carter SD, **Demirkan I**, Brown J, Hart CA, Murray RD, French NP. (2005) Genetic diversity of isolates of *Treponema* spp. associated with bovine digital dermatitis, and implications for epidemiology of the condition. *Research in Veterinary Science* Supplement A, **78**: 19.
12. Vink WD, Jones G, Johnson WO, Brown J, **Demirkan I**, Carter SD, French NP. (2009) Diagnostic assessment without cut-offs: application of serology for the modelling of bovine digital dermatitis infection. *Preventive Veterinary Medicine*, **92** (3):235-248.
13. Evans NJ, Brown JM, **Demirkan I**, Murray RD, Vink WD, Blowey RW, Hart A, Carter SD. (2008) Three unique groups of spirochetes isolated from digital dermatitis lesions in UK cattle. *Veterinary Microbiology*, 130: 141–150.

14. Evans NJ, Brown JM, **Demirkan I**, Murray RD, Birtles RJ, Hart CA, Carter SD. (2009) *Treponema pedis* sp. nov., a spirochaete isolated from bovine digital dermatitis lesions. *International Journal of Systematic and Evolutionary Microbiology*, 59: 987–991.
15. Evans NJ, Brown JM, **Demirkan I**, Singh P, Getty B, Timofte D, Vink WD, Murray RD, Blowey RW, Birtles RJ, Hart A, Carter SD. (2009) Association of unique, isolated treponemes with bovine digital dermatitis lesions. *Journal of Clinical Microbiology*, 47: 689–696.
16. Evans NJ, Brown JM, **Demirkan I**, Birtles R, Hart CA, Carter SC. (2009) In vitro susceptibility of bovine digital dermatitis associated spirochaetes to antimicrobial agents. *Veterinary Microbiology*, 136: 115–120.
17. Kocogullari CU, Emmiler M, Cemek M, Sahin O, Aslan A, Ayva E, Tur L, Buyukokuroglu ME, **Demirkan İ**, Cekirdekci A. Can dantrolene protect spinal cord against ischemia/reperfusion injury? An experimental study, *Thorac Cardiovasc Surg* 2008; 56: 1–6.
18. Çevik-Demirkan A, Özdemir V, Türkmenoğlu İ, **Demirkan İ**. (2007) Anatomy of the hind limb skeleton of the chinchilla (*Chinchilla lanigera*) *Acta Vet Brno*, 76: 501-507.
19. Dhawi A, Hart CA, **Demirkan İ**, Davies I, Carter SD. (2005) Bovine digital dermatitis and severe virulent ovine foot rot: A common spirochaetal pathogenesis. *Veterinary Journal*, 169: 232-241.
20. Kamiloglu A, **Demirkan I**, Baran V, Tuzcu M. (2003) Identification and surgical treatment of penile tumors in young bulls. *Indian Veterinary Journal*, 80, 1284-1286.
21. Özaydın I, Kılıç E, Baran V, **Demirkan I**, Kamiloglu A, Vural S. (2003) Reduction and stabilisation of hip luxation by transposition of ligamentum sacrotuberale in dogs: an in vivo study. *Veterinary Surgery*, 32: 46-51.
22. Murray RD, Downham DY, **Demirkan I**, Carter SD. (2002) Some relationship between spirochaete infections and digital dermatitis in four UK dairy herds. *Research in Veterinary Science*, 73: 223-230.
23. Ozaydin I, Kiliç E, Baran V, **Demirkan I**, Kamiloglu A, Vural S. (2001) The treatment of experimental coxofemoral luxation by ligamentum sacrotuberale transposition and its fixation by interference screws in dogs. *Research in Veterinary Science (Suppl 1A)*: 14.
24. Carter SD, Blowey RW, Murray RD, **Demirkan I**. (1996) Serological testing for borreliosis. *Veterinary Record*, 138: 600.
25. **Demirkan İ**, Çevik-Demirkan A. (2004) In utero fetal surgery. *Veteriner Cerrahi Dergisi*, 10 (1-2), 66-74.
26. **Demirkan I**, Atalan G, Cihan M, Sözmen M, Kankavi O. (2004) Replacement of ruptured Achilles tendon by fascia lata grafting. *Veteriner Cerrahi Dergisi*, 10 (3-4): 221-26.
27. **Demirkan, İ**. (2004) Use of hoof boot for the treatment of foot lesions in dairy cows. *Ankara Üniversitesi Veteriner Fakültesi Dergisi*, 51 (2): 93-97.
28. **Demirkan İ**, Kılıç E. (2003) Surgical correction of tarsal instability in a rooster. *Veteriner Cerrahi Dergisi*, 9 (1-2), 59-61.
29. **Demirkan I**, Atalan G, Gökçe HI, Özaydın I, Çelebi F. (2002) Comparative study of butorphanol-ketamine HCl and xylazine-ketamine HCl combinations for their clinical and

cardiovascular/respiratory effects in healthy dogs. *Turkish Journal of Veterinary and Animal Sciences*, 26: 1073-1079.

30. **Demirkan, I.** (1996) Mortellaro disease (digital dermatitis): a general account. *Journal of the Faculty of Veterinary Medicine University of Kafkas* 3: 123-125.
31. Öztürk S, **Demirkan, I.** Kibar M, Bumin A, Pekkaya, S. (2004) Transrectal ultrasonographic examination of the urinary system in Holstein cows. *Turkish Journal of Veterinary and Animal Sciences*, 29: 263-267.
32. Atalan A, Cihan M, **Demirkan I.** Sözmen, M. (2003) Surgical treatment of Musculus gastrocnemius tendon rupture by use of tensor fascia lata autograft: An experimental study on rabbit model. *Kafkas Üniversitesi Veteriner Fakültesi Dergisi*, 9 (1) 23-28.
33. Atalan G, **Demirkan I.** Yaman H, Cihan M, Önder F, Sözmen M. (2003) Effect of topical kefir application on open wound healing: An in vivo study. *Kafkas Üniversitesi Veteriner Fakültesi Dergisi*, 9 (1), 43-47.
34. Atalan G, Uzun M, **Demirkan I.** Çenesiz M. (2002) Effect of medetomidine-butorphanol-ketamine anaesthesia and atipamezole on heart and respiratory rate and cloacal temperature of domestic pigeons. *Journal of Veterinary Medicine A*, 49: 281-285.
35. Atalan G, Özba B, Erdoğan HM, **Demirkan I.** Çelebi F. (2001) Comparison of the clinical and cardiovascular effects of the combination of xylazine-ketamine HCl with medetomidine-ketamine HCl in dogs. *Turkish Journal of Veterinary Surgery*, 7 (1-2): 21-27.
36. Özeydin I, **Demirkan I.** Özba B, Cihan M. (2000) A case of congenital permanent frenulum linguae and lingua bifida (bifid tongue) in an Anatolian sheep (Kangal) dog. *Journal of the Faculty of Veterinary Medicine University of Kafkas*, 6: 107-109.
37. **Demirkan I.** Yüksel H, Korkmaz M, Çevik-Demirkan A. (2008) A metastatic seminoma in a dog *Kocatepe Vet J*, 1: 63-67.

## 2.2 Chapters in books

1. **Demirkan, İ.** “Kritik Hastalarda Kanül, Sonda ve Dren Uygulamaları”, *Veteriner Acil Klinik: İlk Yardım, Transport, İlk Müdahale*, ed. İ. Özeydin, 13-34, Eser Ofset Matbaacılık, Erzurum, 2004. [ISBN: 975-288-864-X].
2. **Demirkan, İ.** “Acil Hastalarda Sinir Sisteminin Muayenesi”, *Veteriner Acil Klinik: İlk Yardım, Transport, İlk Müdahale*, ed. İ. Özeydin, 67-78, Eser Ofset Matbaacılık, Erzurum, 2004. [ISBN: 975-288-864-X].
3. **Demirkan, İ.** “Kanatlılarda Acil Klinik”, *Veteriner Acil Klinik: İlk Yardım, Transport, İlk Müdahale*, ed. İ. Özeydin, 369-374, Eser Ofset Matbaacılık, Erzurum, 2004. [ISBN: 975-288-864-X].
4. **Demirkan, İ.** “Diz Bölgesinin Muayenesi”, *Dış Hastalıklar: Klinik Muayene Yöntemleri*, ed. N. Güzel, 219-223, Adnan Menderes Üniversitesi Yayınları No: 17, Aydın, 2003. [ISBN: 975-8254-17-0].

5. **Demirkan, İ.**, “Tarsal Bölgenin Muayenesi”, *Dış Hastalıklar: Klinik Muayene Yöntemleri*, ed. N. Güzel, 233-238, Adnan Menderes Üniversitesi Yayınları No: 17, Aydın, 2003. [ISBN:975-8254-17-0].
6. Özaydın, İ., Özba, B., **Demirkan, İ.**, “Sinir Sisteminin Muayenesi”, *Dış Hastalıklar: Klinik Muayene Yöntemleri*, ed. N. Güzel, 253-273, Adnan Menderes Üniversitesi Yayınları No: 17, Aydın, 2003. [ISBN: 975-8254-17-0].

### 2.3 Oral presentation

1. Bozkurt, Z., Szücs, E., Sossidou, E., Katalin, G., Mishev, P., Cziszter, L., Venglovosky, J., Tekerli, M., Akbulut, H., **Demirkan, İ.**, Koçak, S., Köse, M., Türkmenoğlu, İ. (2008) WELANIMAL Projesi (LLP-LdV-TOI-TR-002) ICT teknikleri kullanılarak orta ve güney doğu Avrupa'da hayvan refahı, çevre ve gıda etkileşimlerine farklı açılardan yeni bir yaklaşım. *II. Ulusal Veteriner Zootekni Kongresi*, Erzurum, Türkiye, 55-56 ve 122-123.
2. İbiş, A.H., Balcı, C., Saka, Ö., Yeğit, M., Akbulut, G., Kaya, E., **Demirkan, I.** (2007) Abdominal kompartman sendromunda intraabdominal basınç artışının gastric boşalma zamanı üzerine etkisi. *Türk Anesteziyoloji ve Reanimasyon Derneği Dergisi*, Supplement 1, **35**: 29.
3. İbiş, A.H., Balcı, C., Saka, Ö., Pancaroğlu, M., Akbulut, G., Kaya, E., **Demirkan, I.** (2007) Köpeklerde oluşturulan abdominal kompartman sendromunun reflü ve aspirasyona etkisi. *Türk Anesteziyoloji ve Reanimasyon Derneği Dergisi*, Supplement 1, **35**: 30.
4. Vink, W.D., Carter, S.D., **Demirkan, I.**, Brown, J., Hart, C.A., Murray, R.D., French, N.P. (2005) Genetic diversity of isolates of *Treponema* spp. Associated with bovine digital dermatitis, and implications for epidemiology of the condition. *Research in Veterinary Science*, Supplement A, **78**: 19.
5. **Demirkan, I.**, Atalan, G., Gökçe, H.I., Özaydın I., Çelebi, F. (2002) Comparative study of butorphanol-ketamin HCl and xylazine-ketamin HCl combinations for their clinical and cardiovascular/respiratory effects. *VIIIth National Congress of Veterinary Surgery*, Gevaş, Van, Turkey, 3-6 June, pp. 12.
6. **Demirkan, I.**, Carter, S.D., Bell, S.C., Barnes, A., Hart, C.A., Woodward, M.J. (2000) A spirochaete isolated from a cow with digital dermatitis: identity, characteristics and serological response. *XIth International Symposium on Disorders of the Ruminant Digit*. Parma, Italy, 3-7 September.
7. **Demirkan, I.** (2000) *Treponema* spirochaetes isolated from digital dermatitis and severe virulent ovine foot-rot. *VIIIth National Congress of Veterinary Surgery*, Bursa, Turkey, 25-28 October, pp. 27.
8. **Demirkan, I.** (1999) Isolation and cultivation of a *treponema* (anaerobic spirochaete) from a case of bovine digital dermatitis by immunomagnetic separation. *Ist National Congress for Buiatri*, Ankara, Turkey, 20-22 October, pp. 87-88.
9. **Demirkan, I.** (1998) Possible association between spirochaetes and lesions of digital dermatitis found in cattle. *10<sup>th</sup> International Symposium on Lameness in Ruminants*. Editors: CJ Lischer and P Ossent, Lucerne, Switzerland, pp 266-267.
10. **Demirkan, I.**, Murray, R.D., Carter, S.D., Blowey, R.W. (1997) A new spirochaete implicated in digital dermatitis in cattle. *Annual Conference of Association of Veterinary Teachers and Research Workers*, Scarborough, United Kingdom. pp. 29.

11. **Demirkan, I.**, Murray, R.D., Carter, S.D., Blowey, R.W. (1996) Detection of *Borrelia burgdorferi* antibodies in sera of cows with digital dermatitis by ELISA and Western blotting techniques. *Annual Conference of Association of Veterinary Teachers and Research Workers*, Scarborough, United Kingdom, pp. 59.
12. **Demirkan, I.** (1996) Digital dermatitis: history, importance and future. *5th Proceedings of Turkish Veterinary Surgeons*, Kars, Turkey, pp. 18-19.
13. **Demirkan, I.**, Murray, R.D., Carter, S.D., Blowey, R.W. (1996) Detection of *Borrelia burgdorferi* antibodies in sera of cows with digital dermatitis by ELISA and Western blotting techniques. *5th Proceedings of Turkish Veterinary Surgeons*, Kars, Turkey, pp. 14-15.
14. Kamiloglu, A., **Demirkan, I.**, Tuzcu, M., Baran, V. (2002) Identification and surgical treatment options for penile tumors in young bulls. *VIIIth National Congress of Veterinary Surgery*, Gevaş, Van, Turkey, 3-6 June, pp. 66.
15. Vink, W.D., Carter, S.D., **Demirkan, I.**, Evans, N., Brown, J., French, N. (2006) Molecular epidemiology of treponemes associated with Bovine Digital Dermatitis: tip of the iceberg?". *Proceedings, International Symposium on Veterinary Epidemiology and Economics XI conference*, Cairns, Australia.
16. Atalan, G., **Demirkan, I.**, Günes, V., Cihan, M., Çelebi, F., Çitil, M. (2002) Clinical and cardiovascular effects of acepromazine-butorphanol-ketamine HCl combinations in dogs. *VIIIth National Congress of Veterinary Surgery*, Gevaş, Van, Turkey, 3-6 June, pp. 3.
17. Laven, R.A., **Demirkan, I.**, Carter, S.D., Blowey, R.W. (2000) Relationship of antibodies to spirochaetes and the prevalence and severity of digital dermatitis. *XIth International Symposium on Disorders of the Ruminant Digit*. Parma, Italy, 3-7 September.
18. Ozaydin, I., Kılıç, E., Baran, V., **Demirkan, I.**, Kamiloglu, A. (2000) The treatment of experimental coxo-femoral luxation by ligamentum sacrotuberale transposition and its fixation by interference screw in dogs. *VIIIth National Congress of Veterinary Surgery*, Bursa, Turkey, 25-28 October, pp. 107.
19. Atalan, G., Özba, B., Erdogan, H.M., **Demirkan, I.**, Celebi, F. (2000) The comparison of xylazine-ketamine combination with the combination of medetomidine-ketamine in terms of their clinical and cardiopulmonary effects. *VIIIth National Congress of Veterinary Surgery*, Bursa, Turkey, 25-28 October, pp. 49.
20. Ozaydin, I., **Demirkan, I.**, Atalan, G. (1999) Importance of anaerobes in veterinary surgery. *Symposium on Anaerobic Infections in Animals*. Kars, Turkey, pp. 59.

## 2.3 Posters

1. Kılıç, E., Özba, B., Özaydin, İ., Kamiloglu, A., Öztürk, S., **Demirkan, İ.** (2002) Congenital atresia urethralis distalis in calves: 2 cases. *VIIIth National Congress of Veterinary Surgery*, Gevaş, Van, Turkey, 3-6 June, pp. 111.
2. Özba, B., Özaydin, I., **Demirkan, İ.** (2000) Ramus mandibulae fracture encountered in a calf and its operative treatment. *VIIIth National Congress of Veterinary Surgery*, Bursa, Turkey, 25-28 October, pp. 148.



3. Baran, V., Özaydın, İ., **Demirkan, İ.** (2000) The treatment of the rupture of both the superficial and profound flexor tendons using the locking suture techniques in a horse under spinal anaesthesia. *VIIIth National Congress of Veterinary Surgery*, Bursa, Turkey, 25-28 October, pp. 149.
4. Vink, W.B., Murray, R.D., **Demirkan, I.**, Carter, S.D., French, N.P. (2004) The use of mathematical and observational epidemiological studies to investigate the transmission of bovine digital dermatitis. *XIIIth Interantional Symposium on Disorders of the Ruminant Digit*. Maribor, Slovenya, 11-15 February, p 52.
5. **Demirkan, I.** (2004) Exungulatio secunda: a treatment trial of a skin auto-grafting. *IXth National Congress of Veterinary Surgery*, Manavgat, Antalya, Turkey, 22-25 September, pp. 149-150.

#### Prizes

1. Association of Turkish Veterinary Surgeons “*The Most Successful Researcher, 2000*”.
2. TÜBİTAK Hüsamettin Tuğaç Charity “*Scientist, 2000*”.

## Papers refereed by Demirkan

1. *Australian Veterinary Journal* (2001) Intestinal spirochaetes are associated with papillomatous digital dermatitis in cattle. Dr T Shibara et al (A701096).
2. *Australian Veterinary Journal* (2002) Is papillomatous digital dermatitis present in Australian dairy cattle? Dr GJ Milinovich et al (A/02143).
3. *Turkish Journal of Veterinary and Animal Sciences* (2001) An experimental study of the impact of acidic drinks on gingival health in dogs (VET-0107-3).
4. *Turkish Journal of Veterinary and Animal Sciences* (2001) An experimental study on the impact of nutrition types on malodor in dogs (VET-0107-4).
5. *Turkish Journal of Veterinary and Animal Sciences* (2001) Research for the usage of mini-titanium plates as osteosynthesis materials for fractures near by joints in extremity bones in carnivores (VET-0107-19).
6. *Turkish Journal of Veterinary and Animal Sciences* (2001) Comparison of the effects of some inhalation anaesthetics (halothane, isoflurane) on clinical and blood parameters in sheep (VET-0107-49).
7. *Turkish Journal of Veterinary and Animal Sciences* (2001) Comparative study on the effects of wire, polydioxanone and mini-titanium plate osteosynthesis materials on the healing of mandibular fractures: an experimental study in rabbits (VET-0108-39).
8. *Turkish Journal of Veterinary and Animal Sciences* (2001) Lens abnormalities in Holstein and Swiss Brown as a beef cattle in the abattoir of Konya (VET-0109-3).
9. *Turkish Journal of Veterinary and Animal Sciences* (2001) Case of *Neospora caninum* in a dog (VET-0109-6).
10. *Turkish Journal of Veterinary and Animal Sciences* (2002) Diagnostic approach to the prevalence of feline periodontal disease (VET-0108-54).

<b>Projects</b>				
<b>Project Source</b>	<b>Duty</b>	<b>Title of the project</b>	<b>Start/Finish</b>	<b>Budget</b>
Scientific and Technological Research Council of Turkey	Coordinator	Comparison of protective and therapeutic effects of probiotic yogurt and kefir on colo-rectal cancer in mice	15.10.2010/ 15.10.2011	110.000,00 (€)
Scientific Research Project (Afyon Kocatepe University)	Coordinator	Effects of bone glue, bone cement and glass ionomer cement in fracture of symphysis mandibulae: A biomechanical study on ex vivo fresh ovine mandible	20.11.2007/ 20.05.2008	2.000.00 (€)
Leonardo da Vinci (Transfer of innovation) (LLP-LdV-TOI-2007-TR-002)	Researcher	A new approach on different aspects of welfare, environment and food interactions in Central and Southeastern Europe with the use of ICT	01.01.2008/ 31.12.2009	305.000.00 (€)
Department for Environmental, Food and Rural Affairs (DEFRA), İngiltere	Senior Researcher	Control of digital dermatitis in cattle: understanding transmission and spread of disease	2003-2004	350.000.00 (£)
Welcome Trust İngiltere	Researcher	Isolation and characterisation of spirochaetes from severe ovine foot rot	2000	
Liverpool University England OD0212	Researcher	Isolation and cultivation of a spirochaete from bovine digital dermatitis	1999	3.000.00 (£)
Scientific Research Project (Afyon Kocatepe University)	Researcher	Comparison of amalgam and glass ionomer cement for the restoration of dental fractures in dogs	2005-2008	6.000,00 (€)

## Cited Reference Search

Database(s)=SCI-EXPANDED; Timespan=1945-2004

ISI Web of SCIENCE® Powered by ISI Web of Knowledge<sub>SM</sub>

No of citation	Cited author	Cited publication	Volume	Page	Year
1	Demirkan I	Carter S.D., Blowey R.W., Murray R.D., <b>Demirkan I.</b> "Serological testing for borreliosis" <i>Veterinary Record</i>	138	600	1996
1	Demirkan I	"Spirochaetes in bovine digital dermatitis" Thesis, University of Liverpool	-	94	1998
27	Demirkan I	<b>Demirkan I.</b> , Blowey R.W., Carter S.D., Murray R.D., Walker R.W. "Serological evidence of spirochaetal infections associated with digital dermatitis in dairy cattle" <i>Veterinary Journal</i>	157	69-77	1999
11	Demirkan I	<b>Demirkan I.</b> , Carter S.D., Murray R.D. "Skin diseases of the bovine digit associated with lameness" <i>Veterinary Bulletin</i>	70	649-670	2000
21	Demirkan I	<b>Demirkan I.</b> , Carter S.D., Hart C.A., Woodward J.M. "Isolation and cultivation of a spirochaete from bovine digital dermatitis" <i>Veterinary Record</i>	145	497-498	1999
14	Demirkan I	<b>Demirkan I.</b> , Carter S.D. Winstanley C., Bruce K.D., McNair J.M., Woodside M., Hart C.A. "Isolation and characterisation of a novel spirochete from severe virulent ovine foot rot" <i>Journal of Medical Microbiology</i>	50	1061-1068	2001
24	Demirkan I	<b>Demirkan I.</b> , Blowey R.W., Murray R.D., Carter S.D., Woodward J.M. "The frequent detection of a treponema in bovine digital dermatitis by polymerase chain reaction and immunocytochemistry" <i>Veterinary Microbiology</i>	60	285-292	1998
3	Demirkan I	Özaydin, I., Kılıç, E., Baran, V., <b>Demirkan, I.</b> , Kamiloglu, A., Vural, S. "Reduction and stabilisation of hip luxation by transposition of ligamentum sacrotuberale in dogs: an in vivo study" <i>Veterinary Surgery</i>	32	46-51	2003
7	...Demirkan I	Atalan, G., Uzun, M., <b>Demirkan, I.</b> , Çenesiz, M. "Effect of medetomidine-butorphanol-ketamine anaesthesia and atipamezole on heart and respiratory rate and cloacal temperature of domestic pigeons" <i>Journal of Veterinary Medicine A</i>	49	281-285	2002
11	...Demirkan I	Murray, R.D., Downham, D.Y., <b>Demirkan, I.</b> , Carter, S.D. "Some relationship between spirochaete infections and digital dermatitis in four UK dairy herds" <i>Research in Veterinary Science</i>	73	223-230	2002
8	...Demirkan	Dhawi, A., Hart, C.A., <b>Demirkan, I.</b> , Davies, I., Carter, S.D. "Bovine digital dermatitis and severe virulent ovine foot rot: A common spirochaetal pathogenesis" <i>Veterinary Journal</i>	169	232-241	2005
5	Demirkan I	<b>Demirkan, I.</b> , Williams, H.F., Dhawi, A., Carter, S.D., Winstanley, C., Bruce, K.D., Hart, C.A. (2006) "Characterization of a spirochaete isolated from a case of bovine digital dermatitis" <i>Journal of Applied Microbiology</i>	101	948-955	2006
1	Demirkan I	<b>Demirkan, I.</b> , Atalan, G., Gökçe, H.I., Ozaydin, I., Çelebi, F. "Comparative study of butorphanol-ketamine HCl and xylazine-ketamine HCl combinations for their clinical and cardiovascular/respiratory effects in healthy dogs" <i>Turkish Journal of Veterinary and Animal Sciences</i>	26	1073-1079	2002
4	... Demirkan I	Evans, N.J., Brown, J.M., <b>Demirkan, I.</b> , Murray, R.D., Vink, W.D., Blowey, R.W., Hart, C.A., Carter, S.D. "Three unique groups of spirochetes isolated from from digital dermatitis lesions in UK cattle" <i>Veterinary Microbiology</i>	130	141-150	2008
1	... Demirkan I	Ozturk, S., Demirkan, I., Kibar, M., Bumin, A., Pekkaya, S. "Transrectal ultrasonographic examination of the urinary system in Holstein cows" <i>Turkish Journal of Veterinary &amp; Animal Sciences</i>	29	263-267	2005

# Total Hits: 139