



İSTANBUL
UNIVERSITY
PRESS

ISSN 2618-639X

dergipark.gov.tr/iuvfd



ACTA VETERINARIA EURASIA

Formerly Journal of the Faculty of Veterinary Medicine İstanbul University
Official Journal of İstanbul University Faculty of Veterinary

VOLUME: 44 ISSUE: 1

18

ACTAVET

ACTA VETERINARIA EURASIA

Formerly Journal of The Faculty of Veterinary Medicine İstanbul University

Editor in Chief

Prof. Dr. Hasret YARDİBİ

İstanbul University Faculty of Veterinary, İstanbul, Turkey
hasret@istanbul.edu.tr
ORCID ID: 0000-0002-2779-1098

Editorial Board

Prof. Dr. Alev AKDOĞAN KAYMAZ

İstanbul University Faculty of Veterinary, İstanbul, Turkey
aakaymaz@gmail.com
ORCID ID: 0000-0003-4457-6856

Prof. Dr. Gülcan DEMİREL

İstanbul University Faculty of Veterinary, İstanbul, Turkey
gdemirel@istanbul.edu.tr
ORCID ID: 000-0002-6864-5134

Prof. Dr. Bülent EKİZ

İstanbul University Faculty of Veterinary, İstanbul, Turkey
bekiz@istanbul.edu.tr
ORCID ID: 0000-0001-6458-5747

Prof. Dr. Hilal ÇOLAK

İstanbul University Faculty of Veterinary, İstanbul, Turkey
hcolak@istanbul.edu.tr
ORCID ID: 0000-0002-8293-7053

Redactor (English)

Prof. Dr. Serhat ALKAN

İstanbul University Faculty of Veterinary, İstanbul, Turkey
salkan@istanbul.edu.tr
ORCID ID: 0000-0003-4741-1416

Prof. Dr. Hüseyin YILMAZ

İstanbul University Faculty of Veterinary, İstanbul, Turkey
hyilmaz@istanbul.edu.tr
ORCID ID: 0000-0002-7897-2358

Technical Redactor

Assoc. Prof. Dr. Atila ATEŞ

İstanbul University Faculty of Veterinary, İstanbul, Turkey
atiates@istanbul.edu.tr
ORCID ID: 0000-0002-9013-930X

Assoc. Prof. Dr. Karlo MURATOĞLU

İstanbul University Faculty of Veterinary, İstanbul, Turkey
karlomrt@istanbul.edu.tr
ORCID ID: 0000-0001-8705-6813

Dr. Lora KOENHEMSI

İstanbul University Faculty of Veterinary, İstanbul, Turkey
lomekoh@istanbul.edu.tr
ORCID ID: 0000-0002-4979-170X

Res. Asst. Esra AKKAYA

İstanbul University Faculty of Veterinary, İstanbul, Turkey
esra.akkaya@istanbul.edu.tr
ORCID ID: 0000-0002-2665-4788

Res. Asst. Gizem ATMACA

İstanbul University Faculty of Veterinary, İstanbul, Turkey
gizematmaca@istanbul.edu.tr
ORCID ID: 0000-0002-6422-0139

İstanbul Üniversitesi Veterinerlik Fakültesi adına sahibi / Owner on behalf of the İstanbul University Faculty of Veterinary: Güven Kaşıkçı • Sorumlu Yazı İşleri Müdürü / Responsible Manager: Hasret Yardıbi • Yayın türü / Publication Type: Yerel süreli / Semiannual • Basım yeri / Printed at: Hamdioğulları İç ve Dış Ticaret A.Ş. Zübeyde Hanım Mah. Elif Sokak No.7/197 Altındağ, Ankara, Türkiye. Tel: +90 (542) 695 77 60 • Basım tarihi / Printing Date: Ocak 2018 / January 2018



Publisher
İbrahim KARA

Publication Director
Ali ŞAHİN

Deputy Publication Director
Gökhan ÇİMEN

Publication Coordinators
Betül ÇİMEN
Zeynep YAKIŞIRER
Gizem KAYAN
Melike Buse Şenay
Özlem ÇAKMAK
Ceren ALĞIN
Okan AYDOĞAN

Project Asistants
Aylin ATALAY
Cansu ERDOĞAN
Büşra PARMAKSIZ
Ecenur ASLİM

Graphics Department
Ünal ÖZER
Neslihan YAMAN
Deniz DURAN

Contact

Address: Büyükdere Cad.
105/9 34394 Mecidiyeköy, Şişli,
İstanbul, TURKEY
Phone: +90 212 217 17 00
Fax: +90 212 217 22 92
E-mail: info@avesyayincilik.com

ACTA VETERINARIA EURASIA

Formerly Journal of The Faculty of Veterinary Medicine İstanbul University

Advisory Board

Seyyal AK

Istanbul University, Faculty of Veterinary Medicine, İstanbul, Turkey

Feray ALKAN

Ankara University, Faculty of Veterinary Medicine, Ankara, Turkey

Ahmet ALTINEL

Istanbul University, Faculty of Veterinary Medicine, İstanbul, Turkey

Ayhan ATASEVER

Erciyes University, Faculty of Veterinary Medicine, Kayseri, Turkey

Hasan BATMAZ

Uludağ University, Faculty of Veterinary Medicine, Bursa, Turkey

Ali BAHADIR

Uludağ University, Faculty of Veterinary Medicine, Bursa, Turkey

Ferda BELGE

Adnan Menderes University, Faculty of Veterinary Medicine, Aydın, Turkey

Ayşegül BİLDİK

Adnan Menderes University, Faculty of Veterinary Medicine, Aydın, Turkey

Faruk ÇAKLOVICA

University of Sarajevo, Faculty of Veterinary Medicine, Sarajevo, Bosnia and Herzegovina

Vincenzo CUTERI

University of Camerino, School of Veterinary Medical Sciences, Camerino, Italy

T. Haluk ÇELİK

Ankara University, Faculty of Veterinary Medicine, Ankara, Turkey

Ömer ÇETİN

Istanbul University, Faculty of Veterinary Medicine, İstanbul, Turkey

Nihad FEJZIC

University of Sarajevo, Faculty of Veterinary Medicine, Sarajevo, Bosnia and Herzegovina

Abdulah GAGİC

University of Sarajevo, Faculty of Veterinary Medicine, Sarajevo, Bosnia and Herzegovina

Luca GUARDABASSI

University of Copenhagen, Faculty of Life Science, Copenhagen, Denmark

Zehra HAJRULAI MUSLIU

Ss. Cyril and Methodius University, Faculty of Veterinary Medicine, Skopje, Macedonia

Larisa KARPENKO

St. Petersburg State Academy of Veterinary Medicine, St. Petersburg, Russia

Ragıp KILIÇARSLAN

Istanbul University, Faculty of Veterinary Medicine, İstanbul, Turkey

Andrej Kirbiš

UL Veterinary Faculty Ljubljana, Ljubljana, Slovenia

Kemal KÜÇÜKERSAN

Ankara University, Faculty of Veterinary Medicine, Ankara, Turkey

Vedat ONAR

Istanbul University, Faculty of Veterinary Medicine, İstanbul, Turkey

Ceyhan ÖZBEYAZ

Ankara University, Faculty of Veterinary Medicine, Ankara, Turkey

Satu PYÖRÄLÄ

University of Helsinki, Faculty of Veterinary Medicine, Helsinki, Finland

Vedad SAKIC

University of Sarajevo, Faculty of Veterinary Medicine, Sarajevo, Bosnia and Herzegovina

Ayşin ŞEN

Uludağ University, Faculty of Veterinary Medicine, Bursa, Turkey

Bünyamin TRAŞ

Selçuk University, Faculty of Veterinary Medicine, Konya, Turkey

Ivan VASHIN

Trakia University, Faculty of Veterinary Medicine, Stara Zagora, Bulgaria

Klaus WIMMERS

Leibniz-Institute for Farm Animal Biology, Germany

ACTA VETERINARIA EURASIA

Formerly Journal of The Faculty of Veterinary Medicine İstanbul University

Aims and Scope

Acta Veterinaria Eurasia (Acta Vet Eurasia) is an international, scientific, open access periodical published in accordance with independent, unbiased, and double-blinded peer-review principles. The journal is the official publication of İstanbul University Faculty of Veterinary Medicine and published biannually on January and July. The publication languages of the journal are English and Turkish.

Acta Veterinaria Eurasia (Acta Vet Eurasia) aims to contribute to the literature by publishing manuscripts at the highest scientific level on all fields of veterinary medicine. The journal publishes original articles, reviews, case reports, short communications, and letters to the editor that are prepared in accordance with the ethical guidelines.

The scope of the journal covers all animal species including the topics related to basic and clinical veterinary sciences, raising livestock, veterinary genetics, animal nutrition and nutritional diseases, zoonoses, veterinary medicinal products and public health, and food hygiene and technology.

The target audience of the journal includes specialists and professionals working and interested in all disciplines of veterinary medicine.

The editorial and publication processes of the journal are shaped in accordance with the guidelines of the International Committee of Medical Journal Editors (ICMJE), World Association of Medical Editors (WAME), Council of Science Editors (CSE), Committee on Publication Ethics (COPE), European Association of Science Editors (EASE), and National Information Standards Organization (NISO). The journal is in conformity with the Principles of Transparency and Best Practice in Scholarly Publishing (doaj.org/bestpractice).

Acta Veterinaria Eurasia is currently indexed in Web of Science- Zoological Records, Scopus, DOAJ, Embase, Gale, AgBiotechNet, Animal Breeding Abstracts, Animal Science Database, CAB Abstracts, Dairy Science Abstract, Helminthological Abstracts, Index Veterinarius, Nutrition Abstracts and Reviews Series B: Livestock Feeds, Nutrition and Food Database, Parasitology Database, Poultry Abstracts, Review of Medical and Veterinary Mycology, Tropical Dis-

eases Bulletin, Veterinary Bulletin, VetMed Resource, TUBITAK ULAKBIM TR Index.

All expenses of the journal are covered by the of İstanbul University Faculty of Veterinary Medicine. Processing and publication are free of charge with the journal. No fees are requested from the authors at any point throughout the evaluation and publication process. All manuscripts must be submitted via the online submission system, which is available at <http://dergipark.gov.tr/iuvfd>. The journal guidelines, technical information, and the required forms are available on the journal's web page.

Statements or opinions expressed in the manuscripts published in the journal reflect the views of the author(s) and not the opinions of the İstanbul University Faculty of Veterinary Medicine, editors, editorial board, and/or publisher; the editors, editorial board, and publisher disclaim any responsibility or liability for such materials.

All published content is available online, free of charge at <http://dergipark.gov.tr/iuvfd>. Printed copies of the journal are distributed, free of charge.

İstanbul University Faculty of Veterinary Medicine holds the international copyright of all the content published in the journal.



Editor in Chief: Hasret Yardibi

Address: İstanbul University Faculty of Veterinary, 34320 Avcılar, İstanbul, Turkey

Phone: +90 (212) 473 70 70/17003

Fax: +90 (212) 473 72 40

E-mail: actavet@istanbul.edu.tr

Publisher: AVES

Address: Büyükdere Avenue, 105/9 34394 Mecidiyeköy, Şişli, İstanbul, Turkey

Phone: +90 212 217 17 00

Fax: +90 212 217 22 92

E-mail: info@avesyayincilik.com

Web page: www.avesyayincilik.com

Instructions to Authors

Acta Veterinaria Eurasia (Acta Vet Eurasia) is an international, scientific, open access periodical published in accordance with independent, unbiased, and double-blinded peer-review principles. The journal is the official publication of İstanbul University Faculty of Veterinary Medicine and published biannually on January and July. The publication languages of the journal are English and Turkish.

Acta Veterinaria Eurasia (Acta Vet Eurasia) aims to contribute to the literature by publishing manuscripts at the highest scientific level on all fields of veterinary medicine. The journal publishes original articles, reviews, case reports, short communications, and letters to the editor that are prepared in accordance with the ethical guidelines.

The scope of the journal covers all animal species including the topics related to basic and clinical veterinary sciences, raising livestock, veterinary genetics, animal nutrition and nutritional diseases, zoonoses, veterinary medicinal products and public health, and food hygiene and technology.

The target audience of the journal includes specialists and professionals working and interested in all disciplines of veterinary medicine.

The editorial and publication processes of the journal are shaped in accordance with the guidelines of the International Council of Medical Journal Editors (ICMJE), the World Association of Medical Editors (WAME), the Council of Science Editors (CSE), the Committee on Publication Ethics (COPE), the European Association of Science Editors (EASE), and National Information Standards Organization (NISO). The journal conforms to the Principles of Transparency and Best Practice in Scholarly Publishing (doaj.org/bestpractice).

Originality, high scientific quality, and citation potential are the most important criteria for a manuscript to be accepted for publication. Manuscripts submitted for evaluation should not have been previously presented or already published in an electronic or printed medium. The journal should be informed of manuscripts that have been submitted to another journal for evaluation and rejected for publication. The submission of previous reviewer reports will expedite the evaluation process. Manuscripts that have been presented in a meeting should be submitted with detailed information on the organization, including the name, date, and location of the organization.

Manuscripts submitted to Acta Veterinaria Eurasia will go through a double-blind peer-review process. Each submission will be reviewed by at least two external, independent peer reviewers who are experts in their fields in order to ensure an unbiased evaluation process. The editorial board will invite an external and independent editor to manage the evaluation processes of manuscripts submitted by editors or by the editorial board members of the journal. The Editor in Chief is the final authority in the decision-making process for all submissions.

An approval of research protocols by an Animal Ethics Committee in accordance with international principles is required for exper-

imental, clinical and drug studies and for some case reports that are carried out on animals. If required, ethics committee reports or an equivalent official document will be requested from the authors. For studies carried out on animals, the measures taken to prevent pain and suffering of the animals should be stated clearly. The name of the ethics committee, and the ethics committee approval number should also be stated in the Materials and Methods section of the manuscript. For studies involving client-owned animals, author's must provide the information on informed consent from the client or the owner and adherence to a high standard (best practice) of veterinary care. The editor has the right to reject manuscripts on suspicion of animal welfare or research protocols that are not consistent with the international principles of animal research. For studies conducting questionnaire methodology should also require ethical approval and a statement should be included that shows that written informed consent of participants and volunteers was obtained following a detailed explanation of the study. The scientific and ethical responsibility of the research belongs to the authors.

All submissions are screened by a similarity detection software (iThenticate by CrossCheck).

In the event of alleged or suspected research misconduct, e.g., plagiarism, citation manipulation, and data falsification/fabrication, the Editorial Board will follow and act in accordance with COPE guidelines.

Each individual listed as an author should fulfill the authorship criteria recommended by the International Committee of Medical Journal Editors (ICMJE - www.icmje.org). The ICMJE recommends that authorship be based on the following 4 criteria:

1. Substantial contributions to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work; AND
2. Drafting the work or revising it critically for important intellectual content; AND
3. Final approval of the version to be published; AND
4. Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

In addition to being accountable for the parts of the work he/she has done, an author should be able to identify which co-authors are responsible for specific other parts of the work. In addition, authors should have confidence in the integrity of the contributions of their co-authors.

All those designated as authors should meet all four criteria for authorship, and all who meet the four criteria should be identified as authors. Those who do not meet all four criteria should be acknowledged in the title page of the manuscript.

ACTA VETERINARIA EURASIA

Formerly Journal of The Faculty of Veterinary Medicine İstanbul University

Acta Veterinaria Eurasia requires corresponding authors to submit a signed and scanned version of the authorship contribution form (available for download through <http://dergipark.gov.tr/iuvfd>) during the initial submission process in order to act appropriately on authorship rights and to prevent ghost or honorary authorship. If the editorial board suspects a case of "gift authorship," the submission will be rejected without further review. As part of the submission of the manuscript, the corresponding author should also send a short statement declaring that he/she accepts to undertake all the responsibility for authorship during the submission and review stages of the manuscript.

Acta Veterinaria Eurasia requires and encourages the authors and the individuals involved in the evaluation process of submitted manuscripts to disclose any existing or potential conflicts of interests, including financial, consultant, and institutional, that might lead to potential bias or a conflict of interest. Any financial grants or other support received for a submitted study from individuals or institutions should be disclosed to the Editorial Board. To disclose a potential conflict of interest, the ICMJE Potential Conflict of Interest Disclosure Form should be filled in and submitted by all contributing authors. Cases of a potential conflict of interest of the editors, authors, or reviewers are resolved by the journal's Editorial Board within the scope of COPE and ICMJE guidelines.

The Editorial Board of the journal handles all appeal and complaint cases within the scope of COPE guidelines. In such cases, authors should get in direct contact with the editorial office regarding their appeals and complaints. When needed, an ombudsperson may be assigned to resolve cases that cannot be resolved internally. The Editor in Chief is the final authority in the decision-making process for all appeals and complaints.

When submitting a manuscript to Acta Veterinaria Eurasia, authors accept to assign the copyright of their manuscript to İstanbul University Faculty of Veterinary Medicine. If rejected for publication, the copyright of the manuscript will be assigned back to the authors. Acta Veterinaria Eurasia requires each submission to be accompanied by a Copyright Transfer Form (available for download at <http://dergipark.gov.tr/iuvfd>). When using previously published content, including figures, tables, or any other material in both print and electronic formats, authors must obtain permission from the copyright holder. Legal, financial and criminal liabilities in this regard belong to the author(s).

Statements or opinions expressed in the manuscripts published in Acta Veterinaria Eurasia reflect the views of the author(s) and not the opinions of the editors, the editorial board, or the publisher; the editors, the editorial board, and the publisher disclaim any responsibility or liability for such materials. The final responsibility in regard to the published content rests with the authors.

MANUSCRIPT PREPARATION

The manuscripts should be prepared in accordance with ICMJE-Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals (updated in December 2017 - <http://www.icmje.org/icmje-recommendations>).

pdf). Authors are required to prepare manuscripts in accordance with the CONSORT guidelines for randomized research studies, STROBE guidelines for observational original research studies, STARD guidelines for studies on diagnostic accuracy, PRISMA guidelines for systematic reviews and meta-analysis, ARRIVE guidelines for experimental animal studies, and TREND guidelines for non-randomized public behavior.

Manuscripts can only be submitted through the journal's online manuscript submission and evaluation system, available at <http://dergipark.gov.tr/iuvfd>. Manuscripts submitted via any other medium will not be evaluated.

Manuscripts submitted to the journal will first go through a technical evaluation process where the editorial office staff will ensure that the manuscript has been prepared and submitted in accordance with the journal's guidelines. Submissions that do not conform to the journal's guidelines will be returned to the submitting author with technical correction requests.

Authors are required to submit the following:

- Copyright Transfer Form,
- Author Contributions Form, and
- ICMJE Potential Conflict of Interest Disclosure Form (should be filled in by all contributing authors) during the initial submission. These forms are available for download at <http://dergipark.gov.tr/iuvfd>.

Preparation of the Manuscript

Title page: A separate title page should be submitted with all submissions and this page should include:

- The full title of the manuscript as well as a short title (running head) of no more than 50 characters,
- Name(s), affiliations, highest academic degree(s), and ORCID ID(s) of the author(s),
- Grant information and detailed information on the other sources of support,
- Name, address, telephone (including the mobile phone number) and fax numbers, and email address of the corresponding author,
- Acknowledgment of the individuals who contributed to the preparation of the manuscript but who do not fulfill the authorship criteria.

Abstract: A Turkish and an English abstract should be submitted with all submissions except for Letters to the Editor. Submitting a Turkish abstract is not compulsory for international authors. The Abstract section of all types of articles should be unstructured. Please check Table 1 below for word count specifications.

Keywords: Each submission must be accompanied by a minimum of three to a maximum of six keywords for subject indexing at the end of the abstract. The keywords should be listed in full without abbreviations.

Manuscript Types

Original Articles: This is the most important type of article since it provides new information based on original research. The main text of original articles should be structured with Introduction, Materials and Methods, Results, and Discussion subheadings. Please check Table 1 for the limitations for Original Articles.

Statistical analysis to support conclusions is usually necessary. Statistical analyses must be conducted in accordance with international statistical reporting standards (Altman DG, Gore SM, Gardner MJ, Pocock SJ. Statistical guidelines for contributors to medical journals. *Br Med J* 1983; 7; 1489-93). Information on statistical analyses should be provided with a separate subheading under the Materials and Methods section and the statistical software that was used during the process must be specified.

Units should be prepared in accordance with the International System of Units (SI).

Review Articles: Reviews prepared by authors who have extensive knowledge on a particular field and whose scientific background has been translated into a high volume of publications with a high citation potential are welcomed. These authors may even be invited by the journal. Reviews should describe, discuss, and evaluate the current level of knowledge of a topic in the field and should guide future studies. The main text of review articles should be begun with an Introduction section and finalized with a Conclusion section. The remaining parts can be named relevantly to the essence of the research. Please check Table 1 for the limitations for Review Articles.

Case Reports: There is limited space for case reports in the journal and reports on rare cases or conditions that constitute challenges in diagnosis and treatment, those offering new therapies or revealing knowledge not included in the literature, and interesting and educative case reports are accepted for publication. The text should include Introduction, Case Presentation, and Discussion subheadings. Please check Table 1 for the limitations for Case Reports.

Short Communications: Short communications are the narrow-scoped research articles that provides new scientific information. These types of articles should be prepared in the original article format and contain Introduction, Materials and Methods, Results, and Discussion subheadings.

Letters to the Editor: This type of manuscript discusses important parts, overlooked aspects, or lacking parts of a previously published article. Articles on subjects within the scope of the journal that might attract the readers' attention, particularly educative cases, may also be submitted in the form of a "Letter to the Editor." Readers can also present their comments on the published manuscripts in the form of a "Letter to the Editor." Abstract, Keywords, and Tables, Figures, Images, and other media should not be included. The text should be unstructured. The manuscript that is being commented on must be properly cited within this manuscript.

Table 1. Limitations for each manuscript type

Type of manuscript	Word limit	Abstract word limit	Reference limit	Table limit	Figure limit
Original Article	3500	250 (Structured)	No limit	6	7 or total of 15 images
Review Article	5000	250	50	6	10 or total of 20 images
Case Report	1000	200	15	3	10 or total of 20 images
Short Communication	1500	200	15	5	5 or total of 10 images
Letter to the Editor	500	No abstract	5	No tables	No media

Tables

Tables should be included in the main document, presented after the reference list, and they should be numbered consecutively in the order they are referred to within the main text. A descriptive title must be placed above the tables. Abbreviations used in the tables should be defined below the tables by footnotes (even if they are defined within the main text). Tables should be created using the "insert table" command of the word processing software and they should be arranged clearly to provide easy reading. Data presented in the tables should not be a repetition of the data presented within the main text but should be supporting the main text.

Figures and Figure Legends

Figures, graphics, and photographs should be submitted as separate files (in TIFF or JPEG format) through the submission system. The files should not be embedded in a Word document or the main document. When there are figure subunits, the subunits should not be merged to form a single image. Each subunit should be submitted separately through the submission system. Images should not be labeled (a, b, c, etc.) to indicate figure subunits. Thick and thin arrows, arrowheads, stars, asterisks, and similar marks can be used on the images to support figure legends. Like the rest of the submission, the figures too should be blind. Any information within the images that may indicate an individual or institution should be blinded. The minimum resolution of each submitted figure should be 300 DPI. To prevent delays in the evaluation process, all submitted figures should be clear in resolution and large in size (minimum dimensions: 100 × 100 mm). Figure legends should be listed at the end of the main document.

All acronyms and abbreviations used in the manuscript should be defined at first use, both in the abstract and in the main text. The abbreviation should be provided in parentheses following the definition.

The Latin scientific names of a species should be written in italics. Apart from the names of species, italicization should be avoided as much as possible.

ACTA VETERINARIA EURASIA

Formerly Journal of The Faculty of Veterinary Medicine İstanbul University

When a drug, product, hardware, or software program is mentioned within the main text, product information, including the name of the product, the producer of the product, and city and the country of the company (including the state if in USA), should be provided in parentheses in the following format: "Chelex-100 (BioRad, California, USA)"

All references, tables, and figures should be referred to within the main text, and they should be numbered consecutively in the order they are referred to within the main text.

Limitations, drawbacks, and the shortcomings of original articles should be mentioned in the Discussion section before the conclusion paragraph.

References

While citing publications, preference should be given to the latest, most up-to-date publications. In the main text of the manuscript, references should be cited by author's name and the publication year in parenthesis. In the case of direct citations in the main text, only publication year should be stated in parenthesis after the name of the author. Please see below for examples:

For single authored reference: (Bell, 2005)

For double authored reference: (Nielsen and Engberg, 2006)

For direct citation in a sentence: "According to Bell (2005)....." or "According to Nielsen and Engberg (2006)....."

Reference with multiple authors: (Doyle et al., 2007)

For multiple references, in order of year: (Bell, 2005; Bell, 2008; Doyle et al., 2007; Nielsen and Engberg, 2006; Willis and Murray, 1997)

For references with the same author and year: (Bell, 2005a; Bell, 2005b; Bell, 2005c)

Reference List

The list of references should only include works that are cited in the text and that have been published or accepted for publication. The references must be listed alphabetically according to the last name of the author. The author names and the publication year should be written in bold. Journal titles should not be abbreviated. If an ahead-of-print publication is cited, the DOI number should be provided. Authors are responsible for the accuracy of references.

The reference styles for different types of publications are presented in the following examples:

Journal Article: Cohen, N.D., Vontur, C.A., Rakestraw, P.C., 2000. Risk factors for enterolithiasis among horses in Texas. Journal of the American Veterinary Medical Association 216, 1787-1794.

Book Section: Kramer, J.M., Gilbert, R.J., 1989. *Bacillus cereus*. In: Doyle, M.P. (Ed.), Foodborne Bacterial Pathogens. Marcel Dekker, New York, pp. 22-70.

Books with a Single Author: Combs, G.F., 1992. The Vitamins:

Fundamental Aspects in Nutrition and Health. Academic Press, San Diego.

Conference Proceedings: Cardinali, R., Rebollar P.G., Mugnai, C., Dal Bosco, A., Cuadrado, M., Castellini, C., 2008. Pasture availability and genotype effects in rabbits: 2. development of gastro-intestinal tract and immune function of the vermiform appendix. In: Proc. 9th World Rabbit Congress, Verona, Italy, 1159-1164.

Thesis: Bacinoğlu, S., 2002. Boğa spermasında farklı eritme süreleri ve eritme sonrasında oluşturulan soğuk şoklarının spermatolojik özelliklere etkisi. Doktora Tezi, İstanbul Üniversitesi Sağlık Bilimleri Enstitüsü, İstanbul.

Manuscripts Published in Electronic Format: Thierry, F., 2006. Contagious equine metritis: a review. Equine Reproductive Infections: <http://www.equinereproinfections.com> (Accessed on 07.07.2006).

REVISIONS

When submitting a revised version of a paper, the author must submit a detailed "Response to the reviewers" that states point by point how each issue raised by the reviewers has been covered and where it can be found (each reviewer's comment, followed by the author's reply and line numbers where the changes have been made) as well as an annotated copy of the main document. Revised manuscripts must be submitted within 30 days from the date of the decision letter. If the revised version of the manuscript is not submitted within the allocated time, the revision option may be canceled. If the submitting author(s) believe that additional time is required, they should request this extension before the initial 30-day period is over.

Accepted manuscripts are copy-edited for grammar, punctuation, and format. Once the publication process of a manuscript is completed, it is published online on the journal's webpage as an ahead-of-print publication before it is included in its scheduled issue. A PDF proof of the accepted manuscript is sent to the corresponding author and their publication approval is requested within 2 days of their receipt of the proof.

Editor in Chief: Hasret Yardibi

Address: İstanbul University Faculty of Veterinary, 34320 Avcılar, İstanbul, Turkey

Phone: +90 (212) 473 70 70/17003

Fax: +90 (212) 473 72 40

E-mail: actavet@istanbul.edu.tr

Publisher: AVES

Address: Büyükdere Cad. 105/9 34394 Mecidiyeköy, Şişli, İstanbul, Turkey

Phone: +90 212 217 17 00

Fax: +90 212 217 22 92

E-mail: info@avesyayincilik.com

Web page: www.avesyayincilik.com

Contents

Original Articles

- 1 ***In Vitro* Assessment of Milk Thistle Seeds as a Natural Anti-Aflatoxin B1**
Omid FANI-MAKKI, Arash OMIDI, Hossein ANSARI-NIK, Seyed Ahmad HASHEMINEJAD
- 6 **Prevalence of Gastrointestinal Parasites in Water Buffalo (*Bubalus bubalis*) Calves Raised with Cattle in Smallholder Farming System in the Northwest of Iran**
Mousa TAVASSOLI, Bahram DALIR-NAGHADEH, Sima VALIPOUR, Mina MAGHSOUDLO
- 12 **Neutralizing Potential of Fab IgG Hybrid Antibody Against Dengue Virus (DENV-1,2,3,4) Expressed on Mesenchymal**
Fedik A. RANTAM, Rahaju ERNAWATI, Jola RAHMAHANI, Eryk HENDRIANTO, Helen SUSILOWATI, Rofiqul A'LA, Rizki Kriestya MAYASARI, Lia Nur AINI
- 20 **Genetic Diversity of Tendürek Mouflon Population**
Balal SADEGHI
- 26 **Detection of *C. burnetii* in Uterine Samples Collected from Referred Dogs to the Veterinary Hospital of Shahid Bahonar University of Kerman by Nested Trans-PCR**
Mahdieh REZAEI, Mohammad KHALILI, Farnoush Bakhshae SHAHRBABAHI, Zeinab ABIRI
- 31 **Effect of Solvents on Phytoconstituents and Antimicrobial Activities of *Ocimum gratissimum* and *Eugenia caryophyllata* Extracts on *Listeria monocytogenes***
Ibrahim ADESHINA, Adetola JENYO-ONI, Benjamin Obukowho EMIKPE, Emmanuel Kolawole AJANI
- 39 **Determining Genetic Variation of Calpastatin Gene with MspI and NcoI Enzymes by Using PCR-RFLP Method in Kivircik Lambs**
Kozet AVANUS

Case Reports

- 44 **Perirenal Pseudocyst in Consequence of Disorders of Several Interdependent Organ Systems in a Cat**
Sinem ÜLGEN SAKA, Özge ERDOĞAN BAMAÇ, Utku BAKIREL
- 49 **Calvarial Hyperostosis Syndrome in an American Pit Bull Terrier**
Damla HAKTANIR, Ebru ERAVCI YALIN, Yalçın DEVECİOĞLU, Alper DEMİRUTKU, Aydın GÜREL