



İSTANBUL UNIVERSITY
CERRAHPAŞA

ISSN 2618-639X • EISSN 2619-905X

actaveteurasia.istanbul.edu.tr



ACTA VETERINARIA EURASIA

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

VOLUME: 45 ISSUE: 1

19



ACTA VETERINARIA EURASIA

Formerly Journal of the Faculty of Veterinary Medicine İstanbul University

Editorial Management

Editor in Chief

Serhat ALKAN

Department of Reproduction and Artificial Insemination, İstanbul University-Cerrahpaşa, Faculty of Veterinary Medicine, İstanbul, Turkey
salkan@istanbul.edu.tr
ORCID ID: 0000-0003-4741-1416

Editors

Ali AYDIN

Department of Food Hygiene and Technology, İstanbul University-Cerrahpaşa, Faculty of Veterinary Medicine, İstanbul, Turkey
aliaydin@istanbul.edu.tr
ORCID ID: 0000-0002-4931-9843

Atila ATEŞ

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

Bülent EKİZ

Department of Animal Breeding and Husbandry, İstanbul University-Cerrahpaşa, Faculty of Veterinary Medicine, İstanbul, Turkey
bekiz@istanbul.edu.tr
ORCID ID: 0000-0001-6458-5747

Gülcan DEMİREL

Department of Animal Nutrition and Nutritional Diseases, İstanbul University-Cerrahpaşa, Faculty of Veterinary Medicine, İstanbul, Turkey
gdemirel@istanbul.edu.tr
ORCID ID: 0000-0002-6864-5134

İsmail KIRŞAN

Department of Obstetrics and Gynecology, İstanbul University-Cerrahpaşa, Faculty of Veterinary Medicine, İstanbul, Turkey
krsan@istanbul.edu.tr
ORCID ID: 0000-0003-0780-0118

Hüseyin YILMAZ

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

Karlo MURATOĞLU

Department of Food Hygiene and Technology, İstanbul University-Cerrahpaşa, Faculty of Veterinary Medicine, İstanbul, Turkey
karlomrt@istanbul.edu.tr
ORCID ID: 0000-0001-8705-6813

O. B. Burak ESENER

Department of Histology and Embryology, İstanbul University-Cerrahpaşa, Faculty of Veterinary Medicine, İstanbul, Turkey
burake@istanbul.edu.tr
ORCID ID: 0000-0001-9444-3598

Özge TURNA

Department of Obstetrics and Gynecology, İstanbul University-Cerrahpaşa, Faculty of Veterinary Medicine, İstanbul, Turkey
turnao@istanbul.edu.tr
ORCID ID: 0000-0002-7638-0519

Language Editors

Dorian Gordon Bates

Alan James Newson

İstanbul University, İstanbul, Turkey

İstanbul Üniversitesi-Cerrahpaşa Veteriner Fakültesi adına sahibi / Owner on behalf of the İstanbul University-Cerrahpaşa Faculty of Veterinary Medicine: Güven Kaşıkçı • Sorumlu Yazı İşleri Müdürü / Responsible Manager: Serhat Alkan • Yayın türü / Publication Type: Yerel süreli / Local Periodical • 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 2019 / January 2019



Publisher
İbrahim KARA

Publication Director
Ali ŞAHİN

Editorial Development
Gizem KAYAN

Finance and Administration
Zeynep YAKIŞIRER ÜREN

Deputy Publication Director
Gökhan ÇİMEN

Publication Coordinators
Betül ÇİMEN
Özlem ÇAKMAK
Okan AYDOĞAN
İrem DELİÇAY
Arzu YILDIRIM

Project Coordinators
Sinem KOZ
Doğan ORUÇ

Graphics Department
Ünal ÖZER
Deniz DURAN
Beyzanur KARABULUT

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

Editorial and Advisory Board

Altay USSENBAYEV

Faculty of Veterinary Medicine, S. Seifullin Kazakh Agro Technical University, Astana, Kazakhstan

Anton GERILOVICH

National Scientific Center 'Institute of Experimental and Clinical Veterinary Medicine', Kharkov, Ukraine

Eduardo BERRIATUA

Department of Animal Health Murcia, University of Murcia, Spain

Georgios FTHENAKIS

University of Thessaly, School of Health Sciences, Faculty of Veterinary Science, Department of Obstetrics and Reproduction, Karditsa, Greece

Gianluca NEGLIA

Department of Animal Science and Food Hygiene, Faculty of Veterinary Medicine, University of Naples Federico II, Naples, Italy

Giuseppe CAMPANILE

Department of Animal Science and Food Hygiene, Faculty of Veterinary Medicine, University of Naples Federico II, Naples, Italy

Jurgen A. RICHT

Department of Diagnostic Medicine/Pathobiology, Kansas State University, USA

Kamil BOSTAN

Department of Gastronomy and Culinary Arts, İstanbul Aydın University, İstanbul, Turkey

Melih AKSOY

Department of Reproduction and Artificial Insemination, Adnan Menderes University, Aydın, Turkey

Munir IQBAL

The Pirbright Institute, Avian Viral Diseases Programme, UK

Mustafa HASÖKSÜZ

Department of Virology, İstanbul University-Cerrahpaşa, Faculty of Veterinary Medicine, İstanbul, Turkey

Nasko VASILEV

Department of Obstetrics, Reproduction and Reproductive Disorders, Veterinary Faculty University of Trakia, Bulgaria

Nikos PAPAIOANNOU

Department of Pathology, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece

Rao Zahid ABBAS

Department of Parasitology, University of Agriculture Faisalabad, Pakistan

Rizah AVDIC

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

Sema BİRLER

Department of Reproduction and Artificial Insemination, İstanbul University-Cerrahpaşa, Faculty of Veterinary Medicine, İstanbul, Turkey

Stanimir YOTOV

Department of Obstetrics, Reproduction and Reproductive Disorders- Faculty of Veterinary Medicine, Trakia University, Bulgaria

Vedat ONAR

Department of Anatomy, İstanbul University-Cerrahpaşa, Faculty of Veterinary Medicine, İstanbul, Turkey

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-Cerrahpaşa Faculty of Veterinary Medicine and published three times a year (January, May and September). The publication language of the journal is English.

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, livestock breeding and husbandry, 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-Emerging Sources Citation Index, 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 Diseases Bulletin, Veterinary Bulletin, VetMed Resource, TUBITAK ULAKBIM TR Index.

All expenses of the journal are covered by the of İstanbul University-Cerrahpaşa 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 actaveteurasia.istanbul.edu.tr 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-Cerrahpaşa 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 actaveteurasia.istanbul.edu.tr Printed copies of the journal are distributed, free of charge.

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



Editor in Chief: Serhat Alkan

Address: İstanbul University-Cerrahpaşa Faculty of Veterinary Medicine, 34320 Avcılar, İstanbul, Turkey

Phone: +90 (212) 473 70 70/17260

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: 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-Cerrahpaşa Faculty of Veterinary Medicine and published three times a year (January, May and September). The publication language of the journal is English.

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, livestock breeding and husbandry, 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. 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 experimental, 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 actaveteurasia.istanbul.edu.tr) 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-Cerrahpaşa 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 actaveteurasia.istanbul.edu.tr). 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 actaveteurasia.istanbul.edu.tr. 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://dergi-park.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.

ACTA VETERINARIA EURASIA

Formerly Journal of The Faculty of Veterinary Medicine İstanbul University

Abstract: An English abstract should be submitted with all submissions except for Letters to the Editor. The Abstract section of all types of articles should be unstructured.

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. The results and discussion may be combined into one section, if desired.

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.

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.

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.

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.

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.

ACTA VETERINARIA EURASIA

Formerly Journal of The Faculty of Veterinary Medicine İstanbul University

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 vermiphorm 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: Serhat Alkan

Address: İstanbul University-Cerrahpaşa Faculty of Veterinary Medicine, 34320 Avcılar, İstanbul, Turkey

Phone: +90 (212) 473 70 70/17260

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: avesyayincilik.com

Contents

Original Articles

-
- 1 **Immunohistochemical Evidence of Multiple Viral and Bacterial Associations in Caprine Pneumonia in Nigeria: Implications for Vaccines**
Theophilus Aghogho JARIKRE, Benjamin Obukowho EMIKPE
-
- 9 **A Survey Study on Self-Evaluations of Small Pet Practitioners about Exotic Pets in Istanbul in 2016**
Belgi Diren SIĞIRCI, Serkan İKİZ, Baran ÇELİK, Seyyal AK
-
- 16 **Mollusks (*Gastropoda*) as Intermediate Hosts of Cattles' Trematodes (*Trematoda*) in Conditions of Dnipro Basin's Small Ponds (Northern Ukraine)**
Diana Valeriyivna FESHCHENKO, Tetiana Ivanivna BAKHUR, Biricik Halil SELÇUK, Anatoliy Anatoliyovych ANTIPOV, Oksana Anatoliyivna ZGHOZINSKA, Oksana Anatoliyivna DUBOVA, Valentina Oleksandrivna YEVSTAFYEVA, Volodymyr Petrovich GONCHARENKO, Raisa Volodymyrivna SHAHANENKO, Volodymyr Sergiyovych SHAHANENKO, Vitaliy Vasyliovych MELNYCHUK
-
- 22 **Effects of Mediterranean Mussel Shell (*Mytilus galloprovincialis*) on Performance and Egg Quality in Laying Quails**
Kadir Emre BUĞDAYCI, Hıdır GÜMÜŞ, Mustafa Numan OĞUZ, Fatma KARAKAŞ OĞUZ, İskender GÜLLE
-
- 30 **Molecular Epidemiology and Risk Factors Assessment of *Anaplasma* spp. on Dairy Cattle in Southwest of Iran**
Vahid NOAMAN, Morteza MORADI