



Year: December 2022

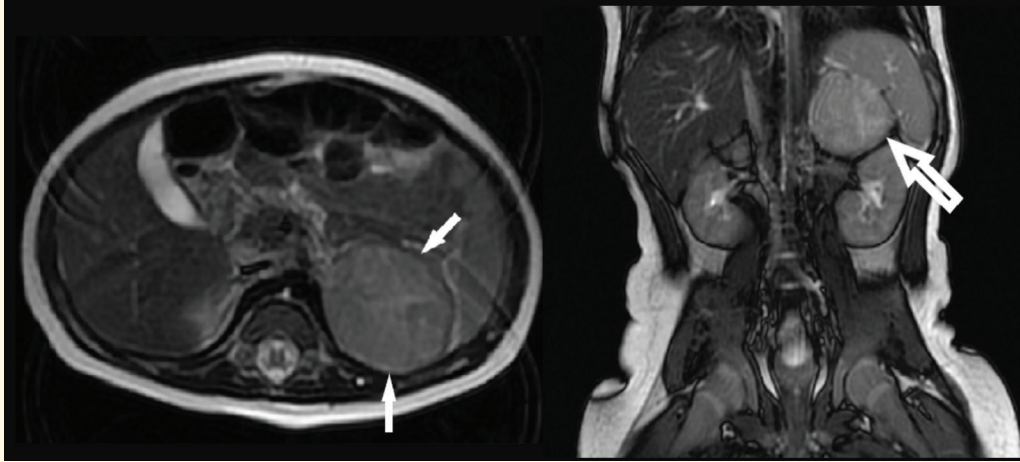
Volume: 9

Issue: 4

E-ISSN: 2587-2478

JPR

The Journal of Pediatric Research



Original Articles

The Impact of Multiple Viral Infection in PICU

Pınar Yazıcı Özkaya et al.

Knowledge Level Regarding Acute Seizure Management

Müge Ayanoglu et al.

LISA vs INSURE

Sezgin Güneş and Suzan Şahin

Dermal Progression of Neonatal Jaundice

Çisil Çerçi Kubur et al.

Probiotics and HA-BSI

Marwyn Sowden et al.

Determination of Infant Hyperbilirubinemia

Zeynep Karan Beyazıt and Bengü Çetinkaya

Micafungin Usage and Children

Kamile Ötiken Arıkan et al.

Biomarkers for Liver Dysfunction Assessment in

Children with HIV

Shalini Yadav et al.

Urine NGAL as Prognostic Marker in Idiopathic NS in Children

Geethanjali Pradeepchandran et al.

Resveratrol Effect on Intestinal Restitution and Inflammation

Sibel Tiryaki et al.

Inherited Metabolic Diseases During the COVID-19 Pandemic

Merve Yoldaş Çelik et al.

Case Reports

A Case Study of Neuroblastoma

Çisil Çerçi Kubur et al.

Sex Chromosomal Mosaicism; 45,X/47,XXY

Özge Köprülü et al.

The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital



EDITORIAL BOARD

The Journal of Pediatric Research

FOUNDER

Özgür Çoğulu

Ege University, Faculty of Medicine,
Department of Pediatrics, İzmir, Turkey
E-mail: ozgur.cogulu@ege.edu.tr
ORCID ID: orcid.org/0000-0002-9037-5599

OWNER

Ege Children's Foundation

EDITOR IN CHIEF

Özgür Çoğulu

Ege University Faculty of Medicine,
Department of Pediatrics, İzmir, Turkey
ozgur.cogulu@ege.edu.tr
ORCID ID: orcid.org/0000-0002-9037-5599

EDITORS OF PEDIATRICS

Ebru Canda

Ege University Faculty of Medicine, Department
of Pediatric Metabolism, İzmir, Turkey
ebru.canda@gmail.com
orcid.org/0000-0002-9175-1998

Demet Terek

Ege University Faculty of Medicine, Department
of Child Health and Diseases, Division of
Neonatal Medicine, İzmir, Turkey
demet.terek@yahoo.com
orcid.org/0000-0002-0970-6582

EDITOR OF PEDIATRIC SURGERY

İbrahim Ulman

Ege University, Faculty of Medicine,
Department of Pediatric Surgery, İzmir, Turkey

STATISTICS EDITORS

Mehmet Orman

Ege University Faculty of Medicine,
Department of Biostatistics and Medical
Informatics, İzmir, Turkey

Pembe Keskinoğlu

Dokuz Eylül University, Faculty of Medicine,
Department of Biostatistics and Medical
Informatics İzmir, Turkey

Timur Köse

Ege University, Faculty of Medicine,
Department of Biostatistics, İzmir, Turkey

ENGLISH LANGUAGE EDITOR

Brian Sweeney

MANAGING EDITOR

Özgür Çoğulu

Ege University Faculty of Medicine,
Department of Pediatrics, İzmir, Turkey

Section Editors

Gülhadiye Avcu

Balkesir State Hospital, Clinic of Pediatrics Infectious Diseases,
Balıkesir, Turkey

Aslı Aslan

Ege University Faculty of Medicine, Department of Ambulatory
Pediatrics, İzmir, Turkey

Tahir Atik

Ege University, Faculty of Medicine,
Department of Pediatric Genetics, İzmir, Turkey

Filiz Başak

University of Miami Miller School of Medicine, John P. Hussman
Institute for Human Genomics, Miami, USA

Ebru Canda

Ege University Faculty of Medicine, Department of Pediatric
Metabolism, İzmir, Turkey

Yeliz Çağan Appak

İzmir Katip Çelebi University, Faculty of Medicine, Department
of Pediatric Gastroenterology, Hepatology and Nutrition, İzmir,
Turkey

Suar Çakı Kılıç

University of Health Sciences Turkey, Ümraniye Training and
Research Hospital, Department of Pediatric Hematology and
Oncology, İstanbul, Turkey

Coşkun Çeltik

University of Health Sciences Turkey, Ümraniye Training and
Research Hospital, Department of Gastroenterology, Hepatology
and Nutrition, İstanbul, Turkey

Funda Çetin

Ege University Faculty of Medicine, Department of Pediatric
Gastroenterology, Hepatology and Nutrition, İzmir, Turkey

Dilşah Çoğulu

Ege University Faculty of Dentistry, Department of Pedodontics,
İzmir, Turkey

Tülay Demircan Şirinoğlu

University of Health Sciences Turkey, Tepecik Training and
Research Hospital, Clinic of Child Health and Diseases, Division of
Pediatric Cardiology, İzmir, Turkey

Urszula Demkow

Medical University of Warsaw, Poland

Demet Eğlenoğlu Alaygut

University of Health Sciences Turkey, Tepecik Training and
Research Hospital, Clinic of Pediatric Nephrology, İzmir, Turkey

Cem Elbi

Bayer HealthCare Pharmaceuticals, Department of
Global Clinical Development, Oncology, New York, USA

Derya Erçal

Dokuz Eylül University Faculty of Medicine,
Department of Pediatric Genetics, İzmir, Turkey

Figen Gülen

Ege University, Faculty of Medicine, Department of Pediatric
Pulmonology and Allergy, İzmir, Turkey

Sema Kalkan Uçar

Ege University, Faculty of Medicine,
Department of Pediatric Metabolism, İzmir, Turkey

İpek Kaplan Bulut

Ege University Faculty of Medicine, Department of Pediatric
Nephrology, İzmir, Turkey

Miray Karakoyun

Ege University, Faculty of Medicine, Department of Pediatric
Gastroenterology, Hepatology and Nutrition, İzmir, Turkey

Saadet Mahmutoğlu

Toronto University Faculty of Medicine, Department of
Paediatrics, Division of Clinical and Metabolic Genetics,
Toronto, Canada

İlke Mungan

University of Health Sciences, Ümraniye Education and Research
Hospital, Department of Pediatric Newborn, İstanbul, Turkey

İlke Nalbantoğlu

Washington University, Department of
Pathology and Immunology, Missouri, USA

Nejat Narlı

Çukurova University Faculty of Medicine, Department of Pediatric
Newborn, Adana, Turkey

The Journal of Pediatric Research is the official publication of Ege University Faculty of Medicine, Department of Pediatrics and Ege Children's Foundation.



Publisher Contact

Address: Molla Gürani Mah. Kaçamak Sk. No: 21/1
34093 İstanbul, Turkey
Phone: +90 (212) 621 99 25 Fax: +90 (212) 621 99 27
E-mail: info@galenos.com.tr/yayin@galenos.com.tr
Web: www.galenos.com.tr
Publisher Certificate Number: 14521

Online Publication Date: December 2022

E-ISSN: 2587-2478

International scientific journal published quarterly.



The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

Section Editors

Burcu Özbaran

Ege University Faculty of Medicine,
Department of Child Psychiatry, İzmir, Turkey

Samim Özen

Ege University, Faculty of Medicine,
Department of Pediatric Endocrinology, İzmir, Turkey

Candan Öztürk

Near East University Faculty of Nursing, Department of Pediatric Nursing, Near East Boulevard,
Nicosia

Betül Sözeri

University of Health Sciences Turkey, Ümraniye Education and Research Hospital, Department
of Pediatric Rheumatology, İstanbul, Turkey

Zümrüt Şahbudak

Ege University Faculty of Medicine, Department of Pediatrics, Division of Infectious Diseases,
İzmir, Turkey

Sevgin Taner

University of Health Sciences Turkey,, Adana City Training and Research Hospital, Clinic of
Pediatric Nephrology, Adana, Turkey

Sema Tanrıverdi

Manisa Celal Bayar University Faculty of Medicine, Department of Neonatology, Manisa, Turkey

Ayşe Merve Usta

İstanbul Hamidiye Şişli Etfal Training and Research Hospital, Clinic of Pediatric
Gastroenterology Hepatology and Nutrition, İstanbul, Turkey

Zülal Ülger

Ege University, Faculty of Medicine,
Department of Pediatric Cardiology, İzmir, Turkey

Alican Vuran

University of Health Sciences Turkey, Ümraniye Training and Research Hospital, Department of
Cardiovascular Surgery, İstanbul, Turkey

Sanem Yılmaz

Ege University Faculty of Medicine, Department of Pediatrics, Division of Pediatric Neurology,
İzmir, Turkey

The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital



Scientific Advisory Board

Gülhadiye Avcu,

Balikesir State Hospital, Clinic of Pediatrics Infectious Diseases, Balikesir, Turkey

Moshe Arditi,

Cedars-Sinai Medical Center, Clinic of Infectious Diseases, Los Angeles, USA

Aslı Aslan,

Ege University Faculty of Medicine, Department of Ambulatory Pediatrics, İzmir, Turkey

Tahir Atik,

Ege University Faculty of Medicine, Department of Pediatric Genetics, İzmir, Turkey

Güney Bademci,

University of Miami, Miami, USA

Soyhan Bağcı,

Bonn University Faculty of Medicine, Department of Pediatrics, Bonn, Germany

Filiz Başak,

University of Miami Miller School of Medicine, John P. Hussman Institute for Human Genomics, Miami, USA

Guiseppe Buoncore,

Siena University Faculty of Medicine, Department of Pediatrics, Siena, Italy

Ebru Canda,

Ege University Faculty of Medicine, Department of Pediatric Metabolism, İzmir, Turkey

Yeliz Çağan Appak,

İzmir Katip Çelebi University, Faculty of Medicine, Department of Pediatric Gastroenterology, Hepatology and Nutrition, İzmir, Turkey

Suar Çakı Kılıç,

University of Health Sciences Turkey, Ümraniye Training and Research Hospital, Department of Pediatric Hematology and Oncology, İstanbul, Turkey

Coşkun Çeltik,

University of Health Sciences Turkey, Ümraniye Training and Research Hospital, Department of Gastroenterology, Hepatology and Nutrition, İstanbul, Turkey

Funda Çetin,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

Dilşah Coğulu,

Ege University Faculty of Dentistry, Department of Pedodontics, İzmir, Turkey

Özgür Coğulu,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

Tülay Demircan Şirinoğlu,

University of Health Sciences Turkey, Tepecik Training and Research Hospital, Clinic of Child Health and Diseases, Division of Pediatric Cardiology, İzmir, Turkey

Urszula Demkow,

Warsaw University Faculty of Medicine, Warsaw, Poland

Demet Eğlenoğlu Alaygut,

University of Health Sciences Turkey, Tepecik Training and Research Hospital, Clinic of Pediatric Nephrology, İzmir, Turkey

Cem Elbi,

Bayer Health Care Pharmaceuticals, Department of Global Clinical Development, Oncology, New York, USA

Derya Erçal,

Dokuz Eylül University Faculty of Medicine, Department of Pediatric Genetics, İzmir, Turkey

Deniz Güngör,

Erasmus MC, Lysosomal and Metabolic Diseases, Rotterdam, Netherlands

Figen Gülen,

Ege University Faculty of Medicine, Department of Pediatric Pulmonology and Allergy, İzmir, Turkey

Lena Hellström-Westas,

Uppsala University Faculty of Medicine, Department of Pediatrics, Uppsala, Sweden

Eufemia Jacob,

UCLA School of Nursing, Los Angeles, USA

Sema Kalkan Uçar,

Ege University Faculty of Medicine, Department of Pediatric Metabolism, İzmir, Turkey

Savaş Kansoy,

Ege University Faculty of Medicine, Department of Pediatrics, İzmir, Turkey

İpek Kaplan Bulut,

Ege University Faculty of Medicine, Department of Pediatric Nephrology, İzmir, Turkey

Miray Karakoyun,

Ege University, Faculty of Medicine, Department of Pediatric Gastroenterology, Hepatology and Nutrition, İzmir, Turkey

Jos Latour,

Plymouth University School of Nursing and Midwifery, Faculty of Health and Human Sciences, Plymouth, United Kingdom

Saadet Mahmutoğlu,

Toronto University Faculty of Medicine, Department of Paediatrics, Division of Clinical and Metabolic Genetics, Toronto, Canada

Neena Modi,

Imperial College Faculty of Medicine, Department of Pediatrics, Londra, UK

Guido Moro,

President of Italian Milk Bank Association, Milano, Italy

İlke Mungan,

University of Health Sciences, Ümraniye Education and Research Hospital, Department of Pediatric Newborn, İstanbul, Turkey

İlke Nalbantoğlu,

Washington University, Department of Pathology and Immunology, Missouri, USA

Nejat Narlı,

Çukurova University Faculty of Medicine, Department of Pediatric Newborn, Adana, Turkey

Nazmi Narin,

Erciyes University Faculty of Medicine, Department of Pediatrics, Kayseri, Turkey

Burcu Özbaran,

Ege University Faculty of Medicine, Department of Child Psychiatry, İzmir, Turkey

Samim Özen,

Ege University Faculty of Medicine, Department of Pediatric Endocrinology, İzmir, Turkey

Candan Öztürk,

Near East University Faculty of Nursing, Department of Pediatric Nursing, Near East Boulevard, Nicosia TRNC Mersin 10 – Turkey

Katalin Papp,

Debrecen University, Debrecen, Hungary

Betül Sözeri,

University of Health Sciences Turkey, Ümraniye Education and Research Hospital, Department of Pediatric Rheumatology, İstanbul, Turkey

Zümrüt Şahbudak Bal,

Ege University Faculty of Medicine, Department of Pediatrics, Division of Infectious Diseases, İzmir, Turkey

Sevgin Taner,

Ege University Faculty of Medicine, Department of Pediatric Nephrology, İzmir, Turkey

İbrahim Ulman,

Ege University Faculty of Medicine, Department of Pediatric Surgery, İzmir, Turkey

Ayşe Merve Usta,

İstanbul Hamidiye Şişli Etfal Training and Research Hospital, Clinic of Pediatric Gastroenterology Hepatology and Nutrition, İstanbul, Turkey

Zülal Ülger,

Ege University Faculty of Medicine, Department of Pediatric Cardiology, İzmir, Turkey

Alican Vuran,

University of Health Sciences Turkey, Ümraniye Training and Research Hospital, Department of Cardiovascular Surgery, İstanbul, Turkey

Saskia Wortmann,

Children's Hospital, Salzburg, Austria

Sanem Yılmaz,

Ege University Faculty of Medicine, Department of Pediatrics, Division of Pediatric Neurology, İzmir, Turkey



The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

Aims and Scope

The Journal of Pediatric Research is the official publication of Ege University and Ege Children's Foundation. It is a peer-reviewed journal published quarterly in March, June, September and December in English.

The Journal of Pediatric Research is a peer-reviewed, open-access journal, which publishes original research articles, invited review articles, clinical reports and case reports in all areas of pediatric research.

The journal publishes original research and review articles, which summarize recent developments about a particular subject based on standards of excellence and expert review and case reports. The target audience includes specialists in general pediatrics and pediatric subspecialties (Emergency Medicine, Allergy and Immunology, Endocrinology, Gastroenterology, Hepatology and Nutrition, Genetics, Cardiology, Hematology-Oncology, Infectious Diseases, Metabolism, Nephrology, Neurology, Rheumatology, Pulmonology, Social Pediatrics, Newborn, Critical Care Medicine, Ethics and Health Service Research), as well as relevant specialties such as Pediatric Surgery, Child and Adolescent Psychiatry, Pedodontics, Pediatric Nursing and Family Physicians.

All manuscripts submitted for publication must be accompanied by the Copyright Transfer Form. Once this form, signed by all the authors, is submitted, it is understood that neither the manuscript nor the data it contains have been submitted elsewhere or previously published and authors declare the statement of scientific contributions and responsibilities of all authors. Abstracts presented at congresses are eligible for evaluation.

The Journal of Pediatric Research is indexed in **Emerging Sources Citation Index (ESCI), Embase, Directory of Open Access Journals (DOAJ), EBSCO, CINAHL Complete Database, ProQuest, CABI, Gale/Cengage Learning, Index Copernicus, Ulakbim TR Dizin, TurkMedline, J-GATE, IdealOnline, Hinari, GOALI, ARDI, OARE, AGORA and Türkiye Citation Index.**

Title: The Journal of Pediatric Research

Official abbreviation: J Pediatr Res

E-ISSN: 2587-2478

Open Access Policy

This journal provides immediate open access to its content on the principle that making research freely available to the public supports a greater global exchange of knowledge.

Author(s) and copyright owner(s) grant access to all users for the articles published in The Journal of Pediatric Research free of charge. Articles may be used provided that they are cited.

Open Access Policy is based on rules of Budapest Open Access Initiative (BOAI). By "open access" to [peer-reviewed research literature], we mean its free availability on the public internet, permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, crawl them for indexing, pass them as data to software, or use them for any other lawful purpose, without financial, legal, or technical

barriers other than those inseparable from gaining access to the internet itself. The only constraint on reproduction and distribution, and the only role for copyright in this domain, should be to give authors control over the integrity of their work and the right to be properly acknowledged and cited.

The Journal of Pediatric Research does not charge any article submission, processing or publication charges.

Creative Commons

A Creative Commons license is a public copyright license that provides free distribution of copyrighted works or studies. Authors use the CC license to transfer the right to use, share or modify their work to third parties. This journal is licensed under a Creative Commons Attribution-NonCommercial 4.0 International (CC BY-NC-ND 4.0) which permits third parties to share and adapt the content for non-commercial purposes by giving the appropriate credit to the original work.

Open-access is an approach that supports interdisciplinary development and encourages collaboration between different disciplines. Therefore, The Journal of Pediatric Research contributes to the scientific publishing literature by providing more access to its articles and a more transparent review process.

Advertisement Policy

Potential advertisers should contact the Editorial Office. Advertisement images are published only upon the Editor-in-Chief's approval.

Material Disclaimer

Statements or opinions stated in articles published in the journal do not reflect the views of the editors, editorial board and/or publisher; The editors, editorial board and publisher do not accept any responsibility or liability for such materials. All opinions published in the journal belong to the authors.

Contact

Address for Correspondence & Permissions

Özgür Çoğulu

Ege University Faculty of Medicine, Department of Pediatrics, Bornova, 35100 İzmir, Turkey

Phone: +90 232 390 10 05 - 390 10 31

Fax: +90 232 390 13 57

E-mail: ozgur.cogulu@ege.edu.tr

Publisher

Galenos Publishing House

Molla Gürani Mah. Kaçamak Sok. No: 21/1, 34093, İstanbul, Turkey

Phone: +90 212 621 99 25

Fax: +90 212 621 99 27

E-mail: info@galenos.com.tr

JPR

The
Journal of Pediatric Research

Official Journal of Ege University Children's Hospital



Instructions to Authors

The Journal of Pediatric Research is an official peer-reviewed publication of Ege University Faculty of Medicine, Department of Pediatrics and Ege Children's Foundation. This publication organ is responsible for the issue of unique clinical and laboratory research papers, case reports, reviews directly or indirectly related to children's health and diseases. The publication language of the journal is English.

The Journal of Pediatric Research does not charge any article submission or processing charges.

The abbreviation of The Journal of Pediatric Research is JPR; however, it should be denoted as J Pediatr Res when referenced. In the international index and database, the name of the journal has been registered as The Journal of Pediatric Research and abbreviated as J Pediatr Res.

In case of major language revision, you can apply to our English Language consultant on editing service. The cost of service is 100 TL per 1000 words. Please transfer the amount to the following **bank account** and contact the editorial office for further procedures.

A manuscript will be considered only with the understanding that it is an original contribution that has not been published elsewhere. All manuscripts submitted to the journal for publication are peer-reviewed. Authors shall be informed within a period of 8 weeks about the process. Upon review, those manuscripts, which are accepted, shall be published in the journal and issued on the <http://www.jpmedres.org> official website.

The scientific and ethical liability of the manuscripts belongs to the authors, and the copyright of the manuscripts belongs to the JPR. Authors are responsible for the contents of the manuscript and the accuracy of the references. All manuscripts submitted for publication must be accompanied by the Copyright Transfer Form. Once this form, signed by all the authors, has been submitted, it is understood that neither the manuscript nor the data it contains have been submitted elsewhere or previously published and authors declare the statement of scientific contributions and responsibilities of all authors.

All manuscripts submitted to the Journal of Pediatric Research are screened for plagiarism using the 'iThenticate' software. Results indicating plagiarism may result in manuscripts being returned or rejected.

Experimental, clinical and drug studies requiring approval by an ethics committee must be submitted to The Journal of Pediatric Research with an ethics committee approval report confirming that the study was conducted in accordance with international agreements and the Declaration of Helsinki (revised 2013). The approval of the ethics committee and the fact that informed consent was given by the patients should be indicated in the Materials and Methods section. In experimental animal studies, the authors should indicate that the procedures followed were in accordance with animal rights as per the Guide for the Care and Use of Laboratory Animals, and they should obtain animal ethics committee approval.

Authors must provide disclosure/acknowledgment of financial or material support, if any was received, for the current study.

If the article includes any direct or indirect commercial links or if any institution provided material support to the study, authors must state in the cover letter that they have no relationship with the commercial product, drug, pharmaceutical company, etc. concerned; or specify the type of relationship (consultant, other agreements), if any.

Authors must provide a statement on the absence of conflicts of interest among the authors and provide authorship contributions.

The Journal of Pediatric Research is an independent international journal based on double-blind peer-review principles. The manuscript is assigned to the Editor-

in-Chief, who reviews the manuscript and makes an initial decision based on manuscript quality and editorial priorities. Manuscripts that pass initial evaluation are sent for external peer review, and the Editor-in-Chief assigns an Associate Editor. The Associate Editor sends the manuscript to reviewers (internal and/or external reviewers). The reviewers must review the manuscript within 21 days. The Associate Editor recommends a decision based on the reviewers' recommendations and returns the manuscript to the Editor-in-Chief. The Editor-in-Chief makes a final decision based on editorial priorities, manuscript quality, and reviewer recommendations. If there are any conflicting recommendations from reviewers, the Editor-in-Chief can assign a new reviewer.

The scientific board guiding the selection of the papers to be published in the Journal consists of elected experts of the Journal and, if necessary, selected from national and international authorities. The Editor-in-Chief, Associate Editors, biostatistics expert and English language consultant may make minor corrections to accepted manuscripts that do not change the main text of the paper.

In case of any suspicion or claim regarding scientific shortcomings or ethical infringement, the Journal reserves the right to submit the manuscript to the supporting institutions or other authorities for investigation. The Journal accepts the responsibility of initiating action but does not undertake any responsibility for an actual investigation or any power of decision.

The Editorial Policies and General Guidelines for manuscript preparation specified below are based on "Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals (ICMJE Recommendations)" by the International Committee of Medical Journal Editors (2016, archived at <https://www.icmje.org/>).

The presentation of the article types must be designed in accordance with trial reporting guidelines:

Human research: Helsinki Declaration as revised in 2013

Systematic reviews and meta-analyses: PRISMA guidelines

Case reports: the CARE case report guidelines

Clinical trials: CONSORT

Animal studies: ARRIVE and Guide for the Care and Use of Laboratory Animals

GENERAL GUIDELINES

Manuscripts can only be submitted electronically through the Journal's online manuscript system after creating an account. This system allows online submission and review.

The manuscripts are archived according to **Web of Science-Emerging Sources Citation Index (ESCI), Directory of Open Access Journals (DOAJ), EBSCO, British Library, CINAHL Complete Database, ProQuest, Gale/Cengage Learning, Index Copernicus, Tübitak/Ulakbim TR Index, TurkMedline, J-GATE, IdealOnline, Hinari, GOALI, ARDI, OARE, AGORA and Türkiye Citation Index.**

The **ORCID** (Open Researcher and Contributor ID) number of the correspondence author should be provided while sending the manuscript. A free registration can be created at <http://orcid.org>.

Format: Unique research papers cover clinical research, observational studies, novel techniques, and experimental and laboratory studies. Unique research papers shall consist of a heading, abstract, keywords related to the main topic of the paper, introduction, materials and methods, results, discussion, acknowledgements, bibliography, tables and figures. Manuscripts should be prepared using 12 pt "Times New Roman" and 1.5 line spacing. The text shall not exceed 2500 words. Case reports must contain rare cases or those that are unique in diagnosis and treatment, those which contribute to current knowledge and provide educational information, along with the introduction, case reporting



The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

Instructions to Authors

and discussion sections. The whole text must not exceed 1500 words. Reviews are texts in which a current subject is examined independently, with reference to scientific literature. The whole text must not exceed 18 A4 paper sheets. Letters to the Editor must be manuscripts, which do not exceed 1000 words, with reference to scientific literature, and those written in response to issued literature or those which include development in the field of paediatrics. These manuscripts do not contain an abstract. The number of references is limited to 5.

Abbreviations: Abbreviations should be defined at first mention and used consistently thereafter. Internationally accepted abbreviations should be used; refer to scientific writing guides as necessary.

Cover letter: The cover letter should include statements about manuscript type, single-journal submission affirmation, conflict of interest statement, sources of outside funding, equipment (if applicable), approval of language for articles in English and approval of statistical analysis for original research articles.

REFERENCES

Authors are solely responsible for the accuracy of all references.

In-text citations: References shall be listed as the below formats on a separate page according to their sequence within the text and referred to within the text in parentheses.

Presentations presented in congresses, unpublished manuscripts, theses, Internet addresses, and personal interviews or experiences should not be indicated as references. If such references are used, they should be indicated in parentheses at the end of the relevant sentence in the text, without reference number and written in full in order to clarify their nature.

References section: All author names shall be stated within all references. References shall be listed as the below formats on a separate page according to their sequence within the text and referred to within the text in parentheses. However, in studies where author numbers exceed 6, names of the first 3 authors shall be stated; "et al." additions shall be made to the list of authors in English references, respectively. The titles of journals should be abbreviated according to the style used in the Index Medicus.

Reference Format

Journal: Last name(s) of the author(s) and initials, article title, publication title and its original abbreviation, publication date, volume, the inclusive page numbers.

Example: Koenig JQ. Airpollutionandasthma. J Allergy Clin Immunol 1999; 104:717-22.

Book: Last name(s) of the author(s) and initials, chapter title, book editors, book title, edition, place of publication, date of publication and inclusive page numbers of the extract cited.

Example: Fletcher CDM, Unni KK, Mertens F. Genetics of Tumours of Soft Tissue and Bone. Lyon, France, IARC Press, 2002. p. 225-419.

Book Chapter: Last name(s) of the author(s) and initials, chapter title, book editors, book title, edition, place of publication, date of publication and inclusive page numbers of the cited piece.

Example: Whitsett JA, Pryhuber GS, Rice WR. Acutes piratory disorders. In: Avery GB, Mac-Donald MG (eds). Neonatology: Pathophysiology and Management of the Newborn, 5th ed. Philadelphia, Lippincott Williams & Wilkins, 1999;505-15.

TABLES, GRAPHICS, FIGURES, AND IMAGES

All visual materials, together with their legends, should be located on separate pages that follow the main text. Original documents such as films, ECG records

must not be delivered. All cost related to colored printouts shall be covered by the authors' own expenses.

Images: Images (pictures) should be numbered and include a brief title. Permission to reproduce pictures that were published elsewhere must be included. All pictures should be of the highest quality possible, in JPEG format, and at a minimum resolution of 300 dpi.

Tables, Graphics, Figures: All tables, graphics, or figures should be enumerated according to their sequence within the text, and a brief descriptive caption should be written. Tables shall be numbered by Roman numerals (I, II) according to their sequence and shall include a heading. Figures shall be numbered by Arabic numerals (1,2) according to their sequence. Any abbreviations used should be defined in the accompanying legend. Tables, in particular, should be explanatory and facilitate readers' understanding of the manuscript and should not repeat data presented in the main text. A maximum of 2 figures or photographs shall be added to case reports.

BIOSTATISTICS

To ensure controllability of the research findings, the study design, study sample, and the methodological approaches and applications should be explained, and their sources should be presented.

The "p" value defined as the limit of significance along with appropriate indicators of measurement error and uncertainty (confidence interval, etc.) should be specified. Statistical terms, abbreviations and symbols used in the article should be described, and the software used should be defined.

Statistical terminology (random, significant, correlation, etc.) should not be used in non-statistical contexts.

All results of data and analysis should be presented in the Results section as tables, figures and graphics; biostatistical methods used and application details should be presented in the Materials and Methods section or under a separate title.

MANUSCRIPT TYPES

Original Articles

Unique research papers cover clinical research, observational studies, novel techniques, and experimental and laboratory studies. Unique research papers shall consist of a heading, abstract, keywords related to the main topic of the paper, introduction, materials and methods, results, discussion, acknowledgements, bibliography, tables and figures. The text shall not exceed 2500 words. Case reports must contain rare cases or those that are unique in diagnosis and treatment, those which contribute to current knowledge and provide educational information, along with the introduction, case reporting and discussion sections. The whole text must not exceed 1500 words. Reviews are texts in which a current subject is examined independently, with reference to scientific literature. The whole text must not exceed 18 A4 paper sheets. Letters to the Editor must be manuscripts, which do not exceed 1000 words, with reference to scientific literature, and those written in response to issued literature or those which include development in the field of paediatrics. These manuscripts do not contain an abstract. The number of references is limited to 5.

Title Page: This page should include the title of the manuscript, short title, name(s) of the authors and author information. The following descriptions should be stated in the given order:

1. Title of the manuscript as concise and explanatory as possible, including no abbreviations, up to 135 characters
2. Short title up to 60 characters

JPR

The
Journal of Pediatric Research

Official Journal of Ege University Children's Hospital



Instructions to Authors

3. Name(s) and surname(s) of the author(s) (without abbreviations and academic titles) and affiliations

4. Name, address, e-mail, phone and fax number of the corresponding author

5. The place and date of the scientific meeting in which the manuscript was presented and its abstract published in the abstract book, if applicable

Abstract: A summary of the manuscript should be written in English. References should not be cited in the abstract. The use of abbreviations should be avoided as much as possible; if any abbreviations are used, they must be taken into consideration independently of the abbreviations used in the text.

For original articles, the structured abstract should include the following sub-headings:

Aim: The aim of the study should be clearly stated.

Materials and Methods: The study and standard criteria used should be defined; it should also be indicated whether the study is randomized or not, whether it is retrospective or prospective, and the statistical methods applied should be indicated, if applicable.

Results: The detailed results of the study should be given, and the statistical significance level should be indicated.

Conclusion: Should summarize the results of the study, the clinical applicability of the results should be defined, and the favorable and unfavorable aspects should be declared.

Keywords: A list of minimum 3, but no more than 5 keywords must follow the abstract. Keywords in English should be consistent with "Medical Subject Headings (MESH)".

Original research articles should have the following sections:

Introduction: Should consist of a brief explanation of the topic and indicate the objective of the study, supported by information from the literature.

Materials and Methods: The study plan should be clearly described, indicating whether the study is randomized or not, whether it is retrospective or prospective, the number of trials, the characteristics, and the statistical methods used.

Results: The results of the study should be stated, with tables/figures given in numerical order; the results should be evaluated according to the statistical analysis methods applied. See General Guidelines for details about the preparation of visual material.

Discussion: The study results should be discussed in terms of their favorable and unfavorable aspects and they should be compared with the literature. The conclusion of the study should be highlighted.

Study Limitations: Limitations of the study should be discussed. In addition, an evaluation of the implications of the obtained findings/results for future research should be outlined.

Conclusion: The conclusion of the study should be highlighted.

Acknowledgements: Any technical or financial support or editorial contributions (statistical analysis, English evaluation) towards the study should appear at the end of the article.

References: Authors are responsible for the accuracy of the references. See General Guidelines for details about the usage and formatting required.

Case Reports

Case reports should present cases that are rarely seen, feature novelty in diagnosis and treatment, and contribute to our current knowledge. The first page should include the title in English, an unstructured summary not exceeding 50 words, and keywords. The main text should consist of an introduction, case report, discussion and references. The entire text should not exceed 1500 words (A4, formatted as specified above). A maximum of 10 references shall be used in case reports.

Review Articles

Review articles can address any aspect of clinical or laboratory pediatry. Review articles must provide critical analyses of contemporary evidence and provide directions for future research. The journal only accepts and publishes invited reviews. Before sending a review, a discussion with the editor is recommended.

Reviews articles analyze topics in depth, independently and objectively. The first chapter should include the title in English, an unstructured summary and keywords. Source of all citations should be indicated. The entire text should not exceed 18 pages (A4, formatted as specified above).

Letters to the Editor

Letters to the Editor should be short commentaries related to current developments in pediatrics and their scientific and social aspects or may be submitted to ask questions or offer further contributions in response to work that has been published in the Journal. Letters do not include a title or an abstract; they should not exceed 1.000 words and can have up to 5 references.

COMMERCIALIZATION

Commercialization issues shall be discussed with the editor. It is possible to include an advertisement on the outer and inner pages of the journal.

COPYRIGHT

All copyright of the journal belongs to the related institutions.

The Journal of Pediatric Research is the publication organ of Ege University Faculty of Medicine Department of Pediatrics, supported by Ege Children's Foundation (EÇV).

Correspondence

Prof. Dr. Özgür Çoğulu

Ege University Faculty of Medicine, Department of Pediatrics, Bornova, 35100 Izmir/Turkey

Phone: +90 232 390 10 05 - 390 10 31

Fax: +90 232 390 13 57

E-mail: ozgur.cogulu@ege.edu.tr

Publisher

Galenos Publishing House

Address: Molla Gürani Mahallesi Kaçamak Sokak No: 21 34093 Fındıkzade - İstanbul/Turkey

Phone: +90 (212) 621 99 25

E-mail: info@galenos.com.tr



The Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

Peer Review, Publication Ethics and Malpractice Statement

Peer- Review

Submission is considered on the conditions that papers are previously unpublished and are not offered simultaneously elsewhere; that authors have read and approved the content, and all authors have also declared all competing interests; and that the work complies with the Ethical Approval and has been conducted under internationally accepted ethical standards. If ethical misconduct is suspected, the Editorial Board will act in accordance with the relevant international rules of publication ethics (i.e., COPE guidelines).

Editorial policies of the journal are conducted as stated in the rules recommended by the Council of Science Editors and reflected in the Uniform Requirements for Manuscripts Submitted to Biomedical Journals: Writing and Editing for Biomedical Publication. Accordingly, authors, reviewers, and editors are expected to adhere to the best practice guidelines on ethical behavior contained in this statement.

Submitted manuscripts are subjected to double-blinded peer-review. The scientific board guiding the selection of the papers to be published in the journal consists of elected specialists of the journal and, if necessary, selected from national and international experts in the relevant field of research. All manuscripts are reviewed by the editor, section associate editors and at least three internal and external expert reviewers. All research articles are interpreted by a statistical editor as well.

Human and Animal Rights

For the experimental, clinical and drug human studies, approval by ethical committee and a statement on the adherence of the study protocol to the international agreements (World Medical Association of Helsinki "Ethical Principles for Medical Research Involving Human Subjects," amended October 2013) are required. In experimental animal studies, the authors should indicate that the procedures followed were by animal rights (Guide for the care and use of laboratory animals), and they should obtain animal ethics committee approval. The Ethics Committee approval document should be submitted to the The Journal of Pediatric Research together with the manuscript.

The approval of the ethics committee; a statement on the adherence to international guidelines mentioned above; and proof that the patient's informed consent is obtained should be indicated in the "Material and Method" section. These items are required for case reports whenever data/media could reveal the identity of the patient.

For persons under 18 years of age, please provide a consent form that includes both parents' signatures or of the person's legal guardian or supervisor.

Plagiarism and Ethical Misconduct

This journal uses "iThenticate" to screen all submissions for plagiarism before publication.

It is essential that authors avoid all forms of plagiarism and ethical misconduct as represented below.

Plagiarism: To Republish whole or part of a content in another author's publication without attribution.

Fabrication: To publish data and findings/results that do not exist.

Duplication: Using data from another publication that includes republishing an article in different languages.

Salamisation: Creating multiple publications by supernaturally splitting the results of a study.

Data Manipulation/Falsification: Manipulating or deliberately distorting research data to give a false impression.

We disapprove of such unethical practices as plagiarism, fabrication, duplication, data manipulation/falsification and salamisation and efforts to influence the review process with such practices as gifting authorship, inappropriate acknowledgements, and references in line with the COPE flowcharts.

Submitted manuscripts are also subjected to the evaluation of plagiarism, duplicate publication by automatic software. Authors are obliged to acknowledge if they published study results in whole or in part in the form of abstracts.

A. DUTIES OF PUBLISHER:

Handling of unethical publishing behaviour

The publisher will take all appropriate measures to modify the article in question, in close cooperation with the editors, in cases of alleged or proven scientific misconduct, fraudulent publication, or plagiarism. This includes the prompt publication of an erratum, disclosure, or retraction of the affected work in the most severe case. Together with the editors, the publisher will take reasonable steps to detect and prevent the publication of articles in which research misconduct occurs and will under no circumstances promote or knowingly allow such abuse to occur.

Editorial Autonomy

The Journal of Pediatric Research is committed to ensuring the autonomy of editorial decisions without influence from anyone or commercial partners.

Intellectual Property and Copyright

The Journal of Pediatric Research protects the property and copyright of the articles published in the journal and maintains each article's published version of the record. The journal provides the integrity and transparency of each published article.

Scientific Misconduct

The Journal of Pediatric Research's publisher always takes all appropriate measures regarding fraudulent publication or plagiarism.

B. DUTIES OF EDITORS:

Decision on Publication and Responsibility

The editor of the journal keeps under control everything in the journal and strives to meet the needs of readers and authors. The editor is also responsible for deciding which articles submitted to the journal should be published and guided by the policies subjected to legal requirements regarding libel, copyright infringement, and plagiarism. The editor might discuss with reviewers while making publication decisions. The editor is responsible for the contents and overall quality of the publication. Editor ought to provide a fair and appropriate peer-review process.

Objectivity

Articles that are submitted to the journal are always evaluated without any prejudice.

Confidentiality

The editor must not disclose any information about a submitted article to anyone other than editorial staff, reviewers, and publisher.

Peer Review, Publication Ethics and Malpractice Statement

Conflicts of Interest and Disclosure

The Journal of Pediatric Research does not allow any conflicts of interest between the parties such as authors, reviewers and editors. Unpublished materials in a submitted article must not be used by anyone without the express written assent of the author.

Fundamental Errors in Published Works

Authors are obliged to notify the journal's editors or publisher immediately and to cooperate with them to correct or retract the article if significant errors or inaccuracies are detected in the published work. If the editors or publisher learn from a third party that a published work contains a material error or inaccuracy, the authors must promptly correct or retract the article or provide the journal editors with evidence of the accuracy of the article.

C. DUTIES OF REVIEWERS:

Evaluation

Reviewers evaluate manuscripts without origin, gender, sexual orientation or political philosophy of the authors. Reviewers also ensure a fair blind peer review of the submitted manuscripts for evaluation.

Confidentiality

All the information relative to submitted articles is kept confidential. The reviewers must not be discussed with others except if authorized by the editor.

Disclosure and Conflict of Interest

The reviewers have no conflict of interest regarding parties such as authors, funders, editors, etc.

Contribution to Editor

Reviewers help the editor in making decisions and may also assist the author in improving the manuscript.

Objectivity

They always do objective judgment evaluation. The reviewers express their views clearly with appropriate supporting arguments.

Acknowledgement of Sources

Reviewers ought to identify a relevant published study that the authors have not cited. Reviewers also call to the editor's attention any substantial similarity or overlap between the manuscript and any other published paper of which they have personal knowledge.

D. DUTIES OF AUTHORS:

Reporting Standards

A submitted manuscript should be original, and the authors ensure that the manuscript has never been published previously in any journal. Data of the research ought to be represented literally in the article. A manuscript ought to include adequate detail and references to allow others to replicate the study.

Originality

The authors who want to submit their study to the journal must ensure that their study is entirely original. The words and sentences getting from the literature should be appropriately cited.

Multiple Publications

Authors should not submit the same study for publishing in any other journals. Simultaneous submission of the same study to more than one journal is unacceptable and constitutes unethical behaviour.

Acknowledgement of Sources

Convenient acknowledgement of the study of others has to be given. Authors ought to cite publications that have been efficient in determining the study. All of the sources that used the process of the study should be remarked.

Authorship of a Paper

Authorship of a paper ought to be limited to those who have made a noteworthy contribution to the study. If others have participated in the research, they should be listed as contributors. Authorship also includes a corresponding author who is in communication with the editor of a journal. The corresponding author should ensure that all appropriate co-authors are included in a paper.

Disclosure and Conflicts of Interest

All sources of financial support should be disclosed. All authors ought to disclose a meaningful conflict of interest in the process of forming their study. Any financial grants or other support received for a submitted study from individuals or institutions should be disclosed to the Editorial Board of The Journal of Pediatric Research. The ICMJE Potential Conflict of Interest Disclosure Form should be filled in and submitted by all contributing authors to disclose a potential conflict of interest. The journal's Editorial Board determines cases of a potential conflict of interest of the editors, authors, or reviewers within the scope of COPE and ICMJE guidelines.

Conditions that provide financial or personal benefit bring about a conflict of interest. The reliability of the scientific process and the published articles is directly related to the objective consideration of conflicts of interest during the planning, implementation, writing, evaluation, editing, and publication of scientific studies.

Financial relations are the most easily identified conflicts of interest, and it is inevitable that they will undermine the credibility of the journal, the authors, and the science. These conflicts can be caused by individual relations, academic competition, or intellectual approaches. The authors should refrain as much as possible from making agreements with sponsors in the opinion of gaining profit or any other advantage that restrict their ability to access all data of the study or analyze, interpret, prepare, and publish their articles. In order to prevent conflicts of interest, editors should refrain from bringing together those who may have any relationship between them during the evaluation of the studies. The editors, who make the final decision about the articles, should not have any personal, professional or financial ties with any of the issues they are going to decide. Authors should inform the editorial board concerning potential conflicts of interest to ensure that their articles will be evaluated within the framework of ethical principles through an independent assessment process.

If one of the editors is an author in any manuscript, the editor is excluded from the manuscript evaluation process. In order to prevent any conflict of interest, the article evaluation process is carried out as double-blinded. Because of the double-blinded evaluation process, except for the Editor-in-Chief, none of the



JPRR

The
Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

Peer Review, Publication Ethics and Malpractice Statement

editorial board members, international advisory board members, or reviewers is informed about the authors of the manuscript or institutions of the authors.

Our publication team works devotedly to ensuring that the evaluation process is conducted impartially, considering all these situations.

Conflict of Interest

The conflict of interest form that each author has to sign must be uploaded during the manuscript submission.

The declaration of the conflict of interest between authors, institutions, acknowledgement of any financial or material support, aid is mandatory for authors submitting a manuscript, and the statement should appear at the end

of the manuscript. Reviewers are required to report if any potential conflict of interest exists between the reviewer and authors, institutions.

Appeals and complaints

Appeal and complaint cases are handled within the scope of COPE guidelines by the Editorial Board of the journal. Appeals should be based on the scientific content of the manuscript. The final decision on the appeal and complaint is made by Editor in Chief. An Ombudsperson or the Ethical Editor is assigned to resolve cases that cannot be resolved internally. Authors should get in contact with the Editor in Chief regarding their appeals and complaints via e-mail at info@jpedres.org.

Contents

Original Articles

- 314 ▶** *The Impact of Multiple Viral Infection in Children with Severe Lower Respiratory Tract Infections*
Pınar Yazıcı Özkaya, Hatice Feray Arı, İrem Ersayoğlu, Candan Çiçek, Bülent Karapınar; İzmir, Turkey
- 320 ▶** *Assessment of the Knowledge Levels and Attitudes of Physicians Regarding the Management of Acute Seizures in Pediatric Patients*
Müge Ayanoğlu, Sercan Öztürk, Ayşe Tosun; Aydın, Turkey
- 331 ▶** *Less Invasive Surfactant Administration Versus Intubation for Surfactant Delivery in Very Low Birth Weight Infants*
Sezgin Güneş, Suzan Şahin; İzmir, Turkey
- 338 ▶** *Dermal Progression of Neonatal Jaundice of Newborn Under 35 Weeks of Gestational Age*
Çisil Çerçi Kubur, Burçin İçsan, Nuray Duman, Hasan Özkan, Abdullah Kumral; İzmir, Turkey
- 345 ▶** *Impact of a Multi-Strain Probiotic on Healthcare-Associated Bloodstream Infection Incidence and Severity in Preterm Neonates*
Marwyn Sowden, Mirjam Maria van Weissenbruch, Andre Nyandwe Hamama Bulabula, Angela Dramowski, Carl Lombard, Evette van Niekerk; Cape Town, South Africa, Amsterdam, The Netherlands,
- 354 ▶** *Comparison of Invasive Measurement and Two Non-invasive Measurements in the Diagnosis of Neonatal Hyperbilirubinemia*
Zeynep Karan Beyazıt, Bengü Çetinkaya; Denizli, Turkey
- 361 ▶** *Micafungin Effectiveness in Treating Pediatric Patients with Proven Candidemia*
Kamile Ötiken Arıkan, Oğuzhan Kalkanlı, Şebnem Çalkavur, Şeyma Akkuş, Mustafa Çolak, Elif Böncüoğlu, Elif Kıymet, Aybuke Akaslan Kara, Hasan Agın, Nuri Bayram, İlker Devrim; İzmir, Turkey
- 368 ▶** *Assessment of Liver Dysfunction Using Combination Biomarkers in Children Living with HIV Infection*
Shalini Yadav, Rajeshwari Krishnan, Deepak Kumar; New Delhi, India
- 376 ▶** *Urine Neutrophil Gelatinase-associated Lipocalin as a Prognostic Biomarker in the First Episode of Idiopathic Nephrotic Syndrome in Children*
Geethanjali Pradeepchandran, Susy Joseph, Susan Uthup, Geetha Saradakutty; Thiruvananthapuram, India
- 383 ▶** *Resveratrol Supplementation Attenuates Excessive Inflammation and Helps Restore Impaired Restitution in an Intestinal Epithelial Cell Culture Model*
Sibel Tiryaki, Ayşe Erol, Mustafa Orkan Ergün; İzmir, Turkey
- 391 ▶** *Impact of the COVID-19 Pandemic on Inherited Metabolic Diseases: Evaluation of Enzyme Replacement Treatment Adherence with Telemedicine*
Merve Yoldaş Çelik, Ebru Canda, Havva Yazıcı, Fehime Erdem, Sema Kalkan Uçar, Mahmut Çoker; İzmir, Turkey



JPR

The
Journal of Pediatric Research

Official Journal of Ege University Children's Hospital

Contents

Case Reports

- 397 ▶** *A Neuroblastoma Case Presenting with Seizures Resistant to Anti-Epileptic Treatments*
Çisil Çerçi Kubur, Sibğatullah Ali Orak, Aslı Kübra Atasever, Celil Yılmaz, Muzaffer Polat; Manisa, Turkey
- 401 ▶** *Distinctively Different Phenotypes of Two Cases with a Rare Karyotype of 45,X/47,XXY Mosaicism: Case Report and Literature Review*
Özge Köprülü, Sezer Acar, Kadri Murat Erdoğan, Özlem Nalbantoğlu, Tarık Kırkgöz, Gülçin Arslan, Beyhan Özkaya, Yaşar Bekir Kutbay, Behzat Özkan; İzmir, Turkey

Index

2022 Referee Index

2022 Author Index

2022 Subject Index