

Turkish Journal of
**Analytical
Chemistry**
TurkJAC

**Volume 4
Issue 1
June 2022**

Publication Type: Peer-reviewed scientific journal

Publication Date: June 29, 2022

Publication Language: English

Published two times in a year (June, December)

Owner

Prof. Miraç Ocak

Karadeniz Technical University, Faculty of Sciences, Department of Chemistry

Executive Editor

Prof. Ümmühan Ocak

Karadeniz Technical University, Faculty of Sciences, Department of Chemistry

Co-Editor

Ender Çekirge

Karadeniz Technical University, Institute of Forensic Sciences

Layout Editor

Ender Çekirge

Karadeniz Technical University, Institute of Forensic Sciences

Editorial Secretary

Ender Çekirge

Karadeniz Technical University, Institute of Forensic Sciences

Proofreaders

Nurhayat Özbek

Karadeniz Technical University, Faculty of Sciences, Department of Chemistry

Abidin Gümrükçüoğlu

Artvin Çoruh University, Faculty of Forestry, Department of Forestry
Engineering

Secretary

Abidin Gümrükçüoğlu

Artvin Çoruh University, Faculty of Forestry, Department of Forestry
Engineering

Serhat Gün

Karadeniz Technical University, Faculty of Sciences, Department of Chemistry

Editors

Prof. Miraç Ocak

Karadeniz Technical University, Faculty of Sciences, Department of Chemistry

Prof. Olcay Bekircan

Karadeniz Technical University, Faculty of Sciences, Department of Chemistry

Prof. Ali Gündoğdu

Karadeniz Technical University, Maçka Vocational School, Department of
Pharmacy Services

Prof. Duygu Özdeş

Gümüşhane University, Gümüşhane Vocational School, Department of
Chemistry and Chemical Processing Technologies

Assoc. Prof. Fatma Ağin

Karadeniz Technical University, Faculty of Pharmacy, Department of Basic
Pharmaceutical Sciences

Prof. Dilek Kul

Karadeniz Technical University, Faculty of Pharmacy, Department of Basic
Pharmaceutical Sciences

Editor Board

Prof. Selehattin Yılmaz	Çanakkale Onsekiz Mart University, Faculty of Science and Literature, Department of Chemistry
Prof. Celal Duran	Karadeniz Technical University, Faculty of Sciences, Department of Chemistry
Prof. Hakan Alp	Karadeniz Technical University, Faculty of Sciences, Department of Chemistry
Prof. Volkan Numan Bulut	Karadeniz Technical University, Maçka Vocational School, Department of Chemistry and Chemical Processing Technologies
Prof. Ali Gündoğdu	Karadeniz Technical University, Maçka Vocational School, Department of Pharmacy Services
Asst. Prof. Aysel Başoğlu	Gümüşhane University, Faculty of Health Sciences, Department of Occupational Health and Safety
Prof. Ayşegül İyidoğan	Gaziantep University, Faculty of Science and Literature, Department of Chemistry
Prof. Sevgi Kolaylı	Karadeniz Technical University, Faculty of Sciences, Department of Chemistry
Prof. Hüseyin Serencam	Trabzon University, College of Applied Sciences, Department of Gastronomy and culinary arts
Assoc. Prof. Fatma Ağin	Karadeniz Technical University, Faculty of Pharmacy, Department of Basic Pharmaceutical Sciences
Prof. Duygu Özdeş	Gümüşhane University, Gümüşhane Vocational School, Department of Chemistry and Chemical Processing Technologies
Dr. Mustafa Z. Özel	University of York, Department of Chemistry
Prof. Małgorzata Wiśniewska	University of Maria Curie- Sklodowska, Faculty of Chemistry, Institute of Chemical Sciences, Department of Radiochemistry and Environmental Chemistry
Prof. Dilek Kul	Karadeniz Technical University, Faculty of Pharmacy, Department of Basic Pharmaceutical Sciences
Prof. Sławomira Skrzypek	University of Lodz, Faculty of Chemistry, Department of Inorganic and Analytical Chemistry
Prof. Fatih İslamoğlu	Recep Tayyip Erdoğan University, Faculty of Science and Literature, Department of Chemistry
Asst. Prof. Zekeriyya Bahadır	Giresun University, Faculty of Science and Literature, Department of Chemistry
Asst. Prof. Yasemin Çağlar	Giresun University, Faculty of Engineering, Department of Genetic and Bioengineering
Prof. Agnieszka Nosal-Wiercińska	University of Maria Curie- Sklodowska, Faculty of Chemistry, Institute of Chemical Sciences, Department of Analytical Chemistry
Doç. Dr. Halit Arslan	Gazi University, Faculty of Science, Department of Chemistry

Assoc. Prof. Cemalettin Baltacı	Gümüşhane University, Faculty of Engineering and Natural Sciences, Department of Food Engineering
Asst. Prof. Zafer Ocak	Kafkas University, Education Faculty, Mathematics and Science Education
Prof. Mustafa İmamoğlu	Sakarya University, Faculty of Science and Literature, Department of Chemistry
Assoc. Prof. Esra Bağda	Sivas Cumhuriyet University, Faculty of Pharmacy, Department of Basic Pharmaceutical Sciences, Analytical Chemistry Division
Assoc. Prof. Hüseyin Altundağ	Sakarya University, Faculty of Science and Literature, Department of Chemistry
Asst. Prof. Mehmet Başoğlu	Gümüşhane University, Faculty of Engineering and Natural Sciences, Department of Energy Systems Engineering

Publishing Board

Prof. Latif Elçi	Pamukkale University, Faculty of Science and Literature, Department of Chemistry
Prof. Münevver Sökmen	Konya Food and Agriculture University, Faculty of Engineering and Architecture, Department of Bioengineering
Prof. Atalay Sökmen	Konya Food and Agriculture University, Faculty of Engineering and Architecture, Department of Bioengineering
Prof. Kamil Kaygusuz	Karadeniz Technical University, Faculty of Sciences, Department of Chemistry
Prof. Yaşar Gök	Pamukkale University, Faculty of Science and Literature, Department of Chemistry
Prof. Ayşegül Gölcü	İstanbul Technical University, Faculty of Science and Literature, Department of Chemistry
Prof. Mustafa Tüzen	Gaziosmanpaşa University, Faculty of Science and Literature, Department of Chemistry
Prof. Mustafa Soylak	Erciyes University, Faculty of Sciences, Department of Chemistry
Prof. Fikret Karadeniz	Kafkas University, Faculty of Science and Literature, Department of Chemistry
Prof. Mehmet Yaman	Fırat University, Faculty of Sciences, Department of Chemistry
Prof. Halit Kantekin	Karadeniz Technical University, Faculty of Sciences, Department of Chemistry
Prof. Esin Canel	Ankara University, Faculty of Sciences, Department of Chemistry
Prof. Dilek Ak	Anadolu University, Faculty of Pharmacy, Department of Basic Pharmaceutical Sciences
Prof. Mustafa Küçükislamoğlu	Sakarya University, Faculty of Science and Literature, Department of Chemistry
Prof. Salih Zeki Yıldız	Sakarya University, Faculty of Science and Literature, Department of Chemistry

Prof. Recai İnam	Gazi University, Faculty of Sciences, Department of Chemistry
Prof. Dr. Durişehvar Ünal	İstanbul University, Faculty of Pharmacy, Department of Basic Pharmaceutical Sciences
Prof. Mehmet Tüfekçi	Avrasya University, Faculty of Science and Literature, Department of Biochemistry
Prof. Hüseyin Kara	Selçuk University, Faculty of Sciences, Department of Chemistry
Prof. Sezgin Bakirdere	Yıldız Technical University, Faculty of Science and Literature, Department of Chemistry
Prof. Hasan Basri Şentürk	Karadeniz Technical University, Faculty of Sciences, Department of Chemistry
Prof. Yusuf Atalay	Sakarya University, Faculty of Science and Literature, Department of Physics
Prof. Salih Zeki Yıldız	Sakarya University, Faculty of Science and Literature, Department of Chemistry

Authorship, Originality, and Plagiarism: The authors accept that the work is completely original and that the works of others have been appropriately cited or quoted in the text with the necessary permissions. The authors should avoid plagiarism. It is recommended that they check the article using appropriate software such as Ithenticate and CrossCheck. The responsibility for this matter rests entirely with the authors. All authors will be notified when the manuscript is submitted. If a change of author is needed, the reason for the change should be indicated. Once the manuscript is accepted, no author changes can be made.

Aims and Scope

“Turkish Journal of Analytical Chemistry” publishes original full-text research articles and reviews covering a variety of topics in analytical chemistry. Original research articles may be improved versions of known analytical methods. However, studies involving new and innovative methods are preferred. Topics covered include:

- Analytical materials
- Atomic methods
- Biochemical methods
- Chromatographic methods
- Electrochemical methods
- Environmental analysis
- Food analysis
- Forensic analysis
- Optical methods
- Pharmaceutical analysis
- Plant analysis
- Theoretical calculations
- Nanostructures for analytical purposes
- Chemometric methods
- Energy

ETHICAL GUIDELINES

TurkJAC follows ethical tasks and responsibilities are defined by the Committee on Publication Ethics (COPE) in publication procedure. Based on this guide, the rules regarding publication ethics are presented in the following sections.

Ethical Approval

Ethics committee approval must be obtained for studies on clinical and experimental regarding human and animals that require an ethical committee decision, this approval must be stated in the article and documented in the submission. In such articles, the statement that research and publication ethics are complied with should include. Information about the approval such as committee name, date, and number should be included in the method section and also on the first/last page of the article.

Editors

1. In the preliminary evaluation of a submission, the editor of the journal evaluates the article's suitability for the purpose and scope of the journal, whether it is similar to other articles in the literature, and whether it meets the expectations regarding the language of writing. When it meets the mentioned criteria, the scientific evaluation process is started by assigning a section editor if necessary.
2. A peer-reviewed publication policy is employed in all original studies, taking into full account of possible problems due to related or conflicting interests.

3. Section editors work on the articles with a specific subject and their suggestion is effective in the journal editor's decision about acceptance or rejection of the article.
4. No section editor contacts anyone except the authors, reviewers, and the journal editor about articles in the continued evaluation process.
5. In the journal editor's decision to accept or reject an article, in the addition of section editor's suggestion in consequence of scientific reviewing, the importance of the article, clarity and originality are decisive. The final decision, in this case, belongs to the journal editor.

Authors

1. The authors should actively contribute to the design and execution of the work. Authorship should not be given to a person who does not have at least one specific task in the study.
2. Normally all authors are responsible for the content of the article. However, in interdisciplinary studies with many authors, the part that each author is responsible for should be explained in the cover letter.
3. Before the start of the study, it would be better to determine the authors, contributors, and who will be acknowledged in order to avoid conflict in academic credits.
4. The corresponding author is one of the authors of the article submitted to the journal for publication. All communications will be conducted with this person until the publication of the article. The copyright form will be signed by the corresponding author on all the authors' behalf.
5. It is unacceptable to submit an article that has already been published entirely or partly in other publication media. In such situation, the responsibility lies with all authors. It is also unacceptable that the same article has been sent to TurkJAC and another journal simultaneously for publication. Authors should pay attention to this situation in terms of publication ethics.
6. Plagiarism from others' publications or their own publications and slicing of the same study is not acceptable.
7. All authors agree that the data presented in the article are real and original. In case of an error in the data presented, the authors have to be involved in the withdraw and correction process.
8. All authors must contribute to the peer-reviewed procedure.

Reviewers

1. Peer reviewers worked voluntarily are external experts assigned by editors to improve the submitted article.
2. It is extremely important that the referee performs the review on time so that the process does not prolong. Therefore, when the invitation is agreed upon, the reviewer is expected to do this on time. Also, the reviewer agrees that there are no conflicts of interest regarding the research, the authors, and/or the research funders.
3. Reviewers are expected not to share the articles reviewed with other people. The review process should be done securely.
4. Reviewers are scored according to criteria such as responding to the invitations, whether their evaluations are comprehensive and acting in accordance with deadlines, and the article submissions that they can make to TurkJAC are handled with priority.