

Journal of the Turkish Chemical Society, Section A: Chemistry (JOTCSA)

e-ISSN: 2149-0120

A triannual, open-access chemical journal, hosted by Dergipark (Published, in English, in every February, June, and October)

Editorial Board (sorted by the lastnames)

Prof. Dr. Göktürk, Sinem (Physical Chemistry, Marmara University, Turkey)

Prof. Dr. Kadıoğlu, Yücel (Electrochemistry, Atatürk University, Turkey)

Prof. Dr. Karagözler, A. Alev (Biochemistry, Adnan Menderes University, Turkey) Prof. Dr. Köse, Dursun Ali (Inorganic Chemistry, Hitit University, Turkey)

Prof. Dr. Küçükbay, F. Zehra (Analytical Chemistry, İnönü University, Turkey)

Prof. Dr. Küçükbay, Hasan (Organic Chemistry, İnönü University, Turkey) Editor-in-Chief

Assist. Prof. Dr. Olgaç, Abdurrahman (Computational Chemistry, Gazi University, Turkey)

Assoc. Prof. Dr. Sevim, Altuğ Mert (Editor, Istanbul Technical University, Turkey)

Prof. Dr. Taşdelen, M. Atilla (Polymer Chemistry, Yalova University, Turkey)

Prof. Dr. Yalçın, Esin A. (Computational Chemistry, Ankara University, Turkey)

Address: Halaskargazi Str. Uzay Apt. No: 15/8, 34373 Harbiye, Istanbul/Turkey.

Fax: +90 212 231 70 37

E-mail: jotcsa@turchemsoc.org

Website: https://dergipark.org.tr/jotcsa

(*)JOTCSA is a peer-reviewed publication of the Turkish Chemical Society.

(*)The ideas outlined by the authors cannot be attributed to the journal management nor the editorial board.

Aim and Scope of the Journal

The journal will publish, after a peer-reviewing process, the following:

a) Research articles,

b) Review articles,

c) Letters to the editor.

If requested, the journal will also publish the following, without committing a peer review:

d) Book reviews,

e) Thesis abstracts.

The journal's scope will include, but not limited to, the following disciplines of chemistry:

i) Analytical chemistry,

ii) Biochemistry,

iii) Computational chemistry,

iv) Electrochemistry,

v) Inorganic chemistry,

vi) Organic chemistry

vii) Physical chemistry,

viii) Polymer chemistry.

ETHICAL GUIDELINES

Guidelines for the Editors

An editor (editors, associate editors, etc.) should provide impartial consideration to all manuscripts offered for publication, judging each on its particular feature without regard to race, religion, nationality, sex, seniority, or institutional affiliation of the author(s). An editor should review and treat a manuscript submitted for publication with all reasonable speed. An editor takes the sole responsibility for accepting or rejecting a manuscript for publication. An editor may seek assistance on a manuscript from specialists chosen for their expertise and fair judgment. An editor should not reveal any information about the manuscript under consideration to anyone other than the author and designated reviewers until after the evaluation process is complete. An editor should respect the intellectual independence of authors.

Authors

Our journal considers a person as an author who is responsible at least for a part of the work. Authors should be able to explain the problem in study in a deep manner. For our journal, all authors are responsible for the content they submitted. The corresponding author is responsible for the agreement of all the authors and to keep them informed about the submission process since first submission of their manuscript. He/she is responsible for providing the license to publish, in case of acceptance, on behalf of all the authors. Our journal assumes that submitting the paper implies in total agreement from all the authors. For manuscripts with more than 8 authors, all the authors should provide a declaration specifying what was their contribution to the manuscript. It is not acceptable for JOTCSA to consider for publication anything that was previously published, neither entirely nor partly in other

journals. Anything sent to our journal must not be under analysis by anywhere else. Simultaneous submissions to JOTCSA and any other journal, is considered a major conduct flaw, and all the authors will be definitely banned, and all their previous publications in JOTCSA will be publicly retracted. Plagiarism and self-plagiarism will be treated in the same way. Multiple manuscripts, dealing with closely related subjects and/or variables are discouraged as long as they could figure in a single paper.

Reviewers

JOTCSA invites peers to review its submissions, relying on their expertise, curricula, and their will to review them as volunteers. By accepting to review a manuscript, the reviewer commits himself to do so in due time. Delays are extremely negative to the review process and makes it last much longer than it should. When a reviewer is requested, he/she is gently asked to answer the invitation e-mail, informing if he/she is willing or not willing to review the manuscript. It is a gesture of politeness, and it avoids delays too. By accepting to review a manuscript, the reviewer declares that no conflicts of interests do exist, and he/she is doing his/her revision for the wealth and progress of Science. Those reviewers who answer our requests, agreeing or not, and those who respect the deadlines, are scored positively, and eventual submissions they could send to JOTCSA will be treated with priority. The online version of this declaration viewed can be on http://dergipark.ulakbim.gov.tr/public/journals/5106/ethical_guidelines.pdf.

Journal of the Turkish Chemical Society, Section A: Chemistry (JOTCSA)

e-ISSN: 2149-0120

A biannual, open-access chemical journal, hosted by Dergipark

(Published, in English, in every February, and June, and October)

SHERPA/RoMEO	http://www.sherpa.ac.uk/romeo/search.php
TR Dizin	http://cabim.ulakbim.gov.tr/tr-dizin/tr- dizinde-dizinlenen-dergi-listesi/
DOAJ	https://doaj.org/toc/2149-0120?source=%7B %22query%22%3A%7B%22filtered%22%3A %7B%22filter%22%3A%7B%22bool%22%3A %7B%22must%22%3A%5B%7B%22term %22%3A%7B%22index.issn.exact%22%3A %222149-0120%22%7D%7D%2C%7B %22term%22%3A%7B%22_type%22%3A %22article%22%7D%7D%5D%7D%7D%2C %22query%22%3A%7B%22match_all %22%3A%7B%7D%7D%7D%7D%2C %22from%22%3A0%2C%22size %22%3A100%7D
Index Copernicus	https://journals.indexcopernicus.com/search/ details?id=47570
JournalSeek	http://journalseek.net/cgi-bin/journalseek/jo

Indexes

	urnalsearch.cgi?field=issn&query=2149-0120
Google Scholar	https://scholar.google.com.tr/citations? user=wzUIM6MAAAAJ&hl=tr
CrossRef	https://search.crossref.org/?q=2149-0120
Bielefeld Academic Search Engine (BASE)	https://www.base-search.net/Search/Results ?lookfor=http%3A%2F%2Fdergipark.gov.tr %2Fjotcsa&type=all&oaboost=1&ling=1&nam e=&thes=&refid=dcresen&newsearch=1
CAS Source Index (CASSI)	http://cassi.cas.org/publication.jsp? P=eCQtRPJo9AQyz133K_ll3zLPXfcr-WXf- 1lG1_aXCEAyz133K_ll3zLPXfcr-WXf- 9sRQmIIxJMyz133K_ll3zLPXfcr- WXfWlaa7vbv58KA4Krr_z8o_Q
Scopus	https://suggestor.step.scopus.com/progressT racker/index.cfm? trackingID=58398E9700A91A6F

Editorial Advisory Board Members

(sorted alphabetically by the last names)

Abo-dya, Nader Elmaghwry (Zagazig University, Egypt)

do Amaral, Marcos Serrou (Federal University of Mato Grosso do Sul, Brazil)

Beatriz, Adilson (Federal University of Mato Grosso do Sul, Brazil)

Carta, Fabrizio (Università degli Studi di Firenze, Italy)

El-Khatib, Mirna (University of Pennsylvania, USA)

Florio, Saverio (CINMPIS, Italy)

Jisikriani, Davit (University of Pennsylvania, USA)

Karagözler, Ali Ersin (Adnan Menderes University, Turkey - retired)

Külcü, Nevzat (Mersin University, Turkey)

Lebedeva, Iryna (Augusta University, USA)

Nájera, Carmen (Royal Spanish Academy of Sciences, Spain)

Orhan, Ersin (Düzce University, Turkey)

Panda, Siva S. (Augusta University, USA)

Panmand, Deepak S. (India) Pillai,

Girinath G. (University of Tartu, Estonia)

Souizi, Abdelaziz (University of Ibn Tofail, Morocco) Seçen, Hasan (Atatürk University, Turkey) Seçkin, Turgay (Inonu University, Turkey) Stanovnik, Branko (University of Ljubljana, Slovenia) Supuran, Claudiu T. (University of Florence, Italy) Tural, Bilsen (Dicle University, Turkey)

Tüfekçi, Mehmet (Karadeniz Technical University, Turkey) Yaman, Mehmet (Fırat University, Turkey) Yılmaz, İsmet (İnönü University, Turkey) Yılmaz, Ülkü (İnönü University, Turkey) Yus, Miguel (Universidad de Alicante, Spain)

No	Author(s)	Title	Page range
1	Pelin Köseoğlu Yılmaz	Optimization of Hydrophilic-Lipophilic Balance Solid-Phase Extraction of Phthalates in Pharmaceutical Preparations	271-280
2	.	Profiling and Evaluation of Marrubium sivasense Aytaç, Akgül & Ekici for Antioxidant Activity and Inhibition Effects on α-Amylase, Lipoxygenase, Xanthine Oxidase and Tyrosinase Enzymes	281-292
3	Ahmed Salisu, Muhammad Saleh Salga	Green Preparation of Hyphaene thebaica Fiber Grafted Acrylic Acid for Adsorption of Pb(II) ions from Aqueous Solution	293-302
4	Ayşegül Şenocak	Synthesis, Characterization, and Molecular Docking Studies of Fluoro and Chlorophenylhydrazine Schiff Bases	303-310
5	Tuğba Bayraktutan	Molecular Interaction Between Cationic Polymer Polyethyleneimine and Rose Bengal Dye: A Spectroscopic Study	311-318
6	Hande Pekbelgin Karaoğlu, Ayfer Kalkan Burat	Synthesis and photophysical properties of a non-symmetrically substituted phthalocyanine-pyrene conjugate	319-328
7	Mürüvvet Sezey, Perihan Adun	VALIDATION OF MOHR'S TITRATION METHOD TO DETERMINE SALT IN OLIVE AND OLIVE BRINE	329-334
8	Hamza R. Sani, Umar I. Gaya	Methanolysis of Gmelina Seed Oil to Biodiesel with KNO 3 Activated MgO-ZnO Composite Catalyst	335-348
9		A Green and Efficient Process for the Synthesis of Benzothiazinones using Phosphate Fertilizers MAP, DAP and TSP as Heterogeneous Catalysts	349-354

No	Author(s)	Title	Page range
10	Selda Doğan Çalhan, Mustafa Gündoğan	Evaluation of Changes in the Biological Activity of Onosma Sericeum Willd (Boraginaceae) Based on Collection Time and Extraction Solvent, and Determination of Its Mineral and Trace Element Composition	355-364
11	Mustafa Çiftçi	Synthesis of Polysulfone Based Amphiphilic Graft Copolymers by a 'Grafting to' Approach	365-372
12	Ersin Orhan, Mahmut Köse, Demet Alkan, Leyla Öztürk	Synthesis and Characterization of Some New 4-Methyl-5-Imidazole Carbaldehyde Derivatives	373-382
13	Selin Şahin	Experimental and modeling study of polyphenols in Olea europaea leaves through ultrasound-assisted extraction	383-394
14	Dursun Karaağaç	Synthesis, spectroscopic, thermal, and structural properties of cyano-bridged metal complexes containing tetracyanonickelate(II) building blocks with 4-aminomethylpyridine	395-402
15	Muradiye Şahin, İlkay Hilal Gubbuk	Green Synthesis of Antioxidant Silver and Platinum Nanoparticles Using Ginger and Turmeric Extracts and Investigation of Their Catalytic Activity	403-410
16	Abiche Ekalu, Rachael Gbekele-Oluwa Ayo, James D. Habila, Ibrahim Hamisu	Bioactivities of Phaeophytin a, a-Amyrin, and lupeol from Brachystelma togoense Schltr	411-418
17	Valdrin M. Beluli	ASSESSMENT OF GROUNDWATERS' QUALITY WITH DEPTH of 8-60 m IN THE ARBËRIA NEIGHBOURHOOD OF GJILAN MUNICIPALITY, KOSOVO	419-428
18	Hülya Çelik Onar, Fatma Ceren Anlaş, Hasniye Yaşa, Fulya Üstün Alkan, Belma Hasdemir, Tülay Bakırel	Anticancer Activities of Even-Numbered Monoketo Eicosanoic Acid Anilides and Semicarbazones	429-432
19	Hasniye Yaşa, Kübra Demir	Bi(NO 3) 3 $\cdot 5H$ 2 O-catalyzed Mannich Reaction: A Potent Catalyst for Synthesis of β -Aminocarbonyl Compounds	433-438

No	Author(s)	Title	Page range
20	Sevgi Kılıç	Effect of Temperature on Stability of Lipid Microbubbles	439-450
21	-	Understanding Inhibition of Steel Corrosion by Some Potent Triazole derivatives of Pyrimidine through Density Functional Theory and Molecular Dynamics Simulation Studies	451-462



Editorial, JOTCSA 6(3), 2019

We have launched our new issue, namely JOTCSA 6(3), 2019, just a few days ago and provided you with this editorial document. In this issue, twenty-one articles were published and as everytime, they are free to download. We wish our readers to cite our works, so that our journal can elevate further into the main event. Queries may be placed to myself at kucukbay@inonu.edu.tr or to our managing editor at jotcsa@turchemsoc.org.

See you in the new issue in February...

Kind regards,

Prof. Dr. Hasan KÜÇÜKBAY

Editor-in-chief, JOTCSA