



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

e-ISSN: 2149-0120

A quarterly, open-access chemical journal, hosted by Dergipark
(Published, in English, in every February, May, August, and November)

Editorial Board (sorted by the lastnames)

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

Dr. Carta, Fabrizio (Medicinal Chemistry, Italy)

Assoc. Prof. Dr. Çakmakçı, Emrah (Polymer Chemistry, Turkey)

Dr. Jishakarani, Davit (Medicinal Chemistry, USA)

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

Prof. Dr. Kadioğlu, 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

Assoc. Prof. Dr. Oktay, Burcu (Material Science, Turkey)

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

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

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

e-ISSN: 2149-0120

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

(Published, in English, in every February, May, August, and November)

Editorial Advisory Board Members

(sorted alphabetically by the last names)

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

Ates, Burhan (Inonu University, Turkey)

Bachawala, Praveen (Sigma-Aldrich, USA)

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

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

Döndaş, Hacı Ali (Çukurova University, Turkey)

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

Florio, Saverio (CINMPIS, Italy)

Isa, Seema Habib (G.M. Momin Women's College, Mumbai, India)
Karagözler, A. Ersin (Adnan Menderes University, Turkey – retired)
Köksoy, Baybars (Gebze Technical University, Turkey)
Köytepe, Süleyman (Inonu University, Turkey)
Külcü, Nevzat (Mersin University, Turkey)
Lebedeva, Iryna (Augusta University, USA)
Mahmoudi, Ghodrat (University of Maragheh, Iran)
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)
Seçen, Hasan (Atatürk University, Turkey)
Seçkin, Turgay (Inonu University, Turkey)
Souizi, Abdelaziz (University of Ibn Tofail, Morocco)
Stanovnik, Branko (University of Ljubljana, Slovenia)
Supuran, Claudiu T. (University of Florence, Italy)
Sütay, Berkay (Former PhD student, Istanbul Technical University, Turkey)
Tural, Bilsen (Dicle University, Turkey)
Tüfekçi, Mehmet (Karadeniz Technical University, Turkey)
Yaman, Mehmet (Firat University, Turkey)
Yılmaz, İsmet (İnönü University, Turkey)
Yus, Miguel (Universidad de Alicante, Spain)

Research and Review article information for JOTCSA 8(4). Review articles are shown in gray highlighting.

No	Author names	Title of the study	Pages
1	Marili F. Zubair, Olalekan Sulyman Ibrahim, Olubunmi Atolani, Abdulmumeen Amao Hamid	Chemical Composition and Nutritional Characterization of Cotton Seed as Potential Feed Supplement	977-982
2	Sibel Oğuzlar	Improvement of The CO ₂ Sensitivity of HPTS Along With ZnO/CuO Nanoparticles: A Comparative Study Between Core-Shell and Hybrid Structures	983-994
3	Kok Tong Wong, Hasnah Osman, Thaigarajan Parumasivam, Jafri Malin Abdullah, Mohd. Zaheen Hassan, Mohamad Nurul Azmi	Antimalarial Evaluation of the Chemical Constituents Isolated from <i>Dendrocalamus asper</i>	995-1002
4	Puja Devi, Mohammed M. Matin, Md. Mosharef H. Bhuiyan, Md. Emdad Hossain	Synthesis and Spectral Characterization of 6-O-Octanoyl-1,2-O-isopropylidene- α -D-glucofuranose Derivatives	1003-1024
5	Mevlüde Canlıca, İdil Çetin	Anticancer Activities of a Metal-Free Phthalocyanine on MCF-7 and MDA-MB-231 Cells and Singlet Oxygen Production as a Photosensitizer in PDT	1025-1034
6	Numan Hoda, Leyla Budama Akpolat, Firdevs Mert Sivri, Duygu Kurtuluş	Biosynthesis of Bimetallic Ag-Au (core-shell) Nanoparticles Using Aqueous Extract of Bay Leaves (<i>Laurus nobilis</i> L.)	1035-1044
7	Thi Sinh Vo, Tran Thi Bich Chau Vo, Truong Sinh Nguyen, Tran Trung Tien	Fabrication and Characterization of Gelatin/Chitosan Hydrogel Membranes	1045-1056
8	Assim A. Sabah	Extractive Desulfurization Using Piperidinium Based Ionic Liquids with Lewis Acids	1057-1088

No	Author names	Title of the study	Pages
9	Pratibha Mishra, Arunesh K. Mishra, Anil. K. Bahe, Atish Roy, Ratnesh Das	Synthesis of Isatin and its Derivatives Containing Heterocyclic Compounds	1089-1098
10	Sudhish Kumar SHUKLA, Somya TANWER	Evaluation of Corrosion Inhibition Properties of Pharmaceutically Active Compound Cefotaxime Sodium on Mild Steel Surface in Sulfuric Acid Medium	1099-1110
11	Ketema Beyecha Hundie, Desalegn Abdissa Akuma	Extraction and Characterization of Pectin from Lemon Waste for Commercial Applications	1111-1120
12	Thi Sinh Vo	Progress and expansions of chitosan-graphene oxide hybrid networks utilizing as adsorbents and their organic dye removal performances: A short review	1121-1136
13	Sameer A. Awad	Swelling, Thermal and Mechanical Characterizations of High-Density Polyethylene/ Recycled Biochar Composites	1137-1144
14	Giray Buğra AKBABA	Comparison of the Cytotoxic Effects of Bulk and Nano-sized CeO ₂ on Lymphocyte Cells	1145-1152
15	Mehmet Kadir Yurdakoç, Hasibe Bölük, Aylin Altınışik Tağaç	Surface Acidities of Bentonite, Sepiolite, and Synthetic Silica-Aluminas	1153-1164
16	Jasim Hamadi Hassen, Jack Silver	Reduction of the Structural Iron in Montmorillonite by Electron Transfer from Catechol and its Derivatives	1167-1178
17	Umar Yunusa, Umaru Umar, Sulaiman Adamu Idris, Abdulrahman Ibrahim Kuboand Tahir Abdullahi	Experimental and DFT Computational Insights on the Adsorption of Selected Pharmaceuticals of Emerging Concern from Water Systems onto Magnetically Modified Biochar	1179-1196
18	Sugyani Dash, Pallabi K. Hial, Sagarkanya Senapati, Biswajit Dalai	A Survey on Various Methods of Extraction and Recovery of Thorium	1197-1210

No	Author names	Title of the study	Pages
19	Melda Akay, Zeynep Kalaycıođlu, Sevgi Kolaylı, F. Bedia Erim	Comparative Determination of Melittin by Capillary Electrophoretic Methods	1211-1216
20	Barbaros Akkurt	On the Biological Importance, Preparation, and Uses of Imidazo[1,2-b]pyridazine-Based Compounds	1217-1250
21	Zeynep Ciđerođlu, Eyüp Yildirir	Ultrasonic-Assisted Removal of Eriochrome Black T onto Vermicompost: Characterization, Isotherm and Kinetic Modelling	1251-1262
22	Ramazan Katirci, Salih Ozbay	Kinetic Study of the Free Radical Copolymerization of Methyl Methacrylate with 2-Perfluorooctyl Ethyl Methacrylate by Quantum Computational Approach	1263-1274
23	Songül Eđlence-Bakır	Dioxomolybdenum(VI) Complexes of ONN-Chelating Thiosemicarbazones: Crystallographic and Spectroscopic (UV, IR and NMR) Studies	1275-1300



Editorial, JOTCSA 8(4), 2021

We have launched our new issue, namely JOTCSA 8(4), 2021 just a few days ago and provided you with this editorial document. In this issue, twenty-three articles (nineteen research articles and four review articles) were published and as every time, 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 9(1) new issue on February...

Kind regards,

Prof. Dr. Hasan KÜÇÜKBAY

Editor-in-chief, JOTCSA