

Arkivoc

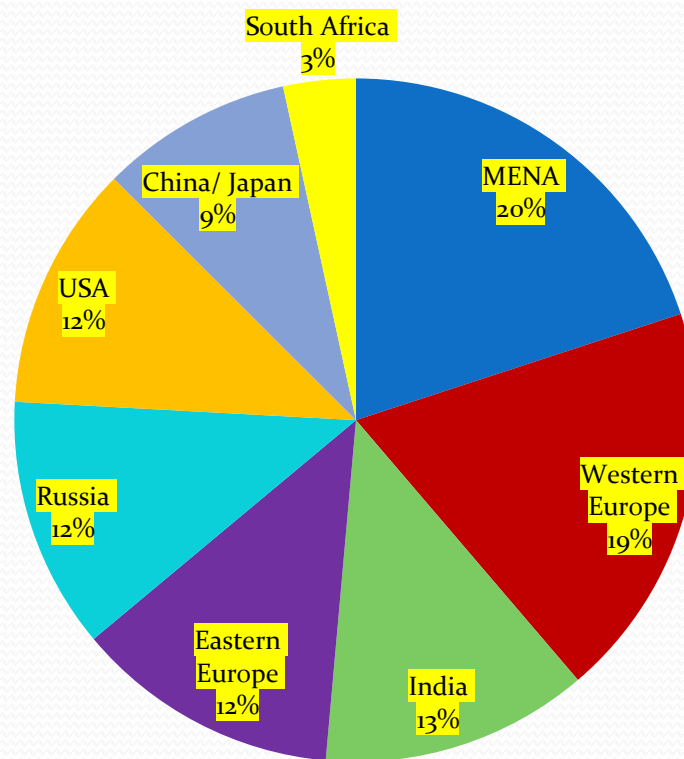
A platinum open access journal for organic chemistry

John Aanonson, 5 May 2022

What is Arkivoc ?

- OA journal for organic chemistry
- Free to readers & authors
- Peer reviewed
- Aiming to particularly help authors outside US and W. Europe
- 2016-20: 79 countries
 - Source: WoS
 - MENA (Middle East & North Africa).

Papers by country, 2016-20



Publishing landscape, 2000

- Organic chemistry journals were amalgamating and ceasing publication
 - Remaining journals were very expensive
 - Limited library budgets
 - Situation dire outside US and Western Europe
- Founder: Alan Katritzky, 1928-2014
- He wanted Arkivoc to solve two problems:
 - Good material not getting published
 - Lack of access to what was published

Business model

- Charitable donation by Alan & Linde Katritzky
 - Alan Katritzky, F.R.S.
- **Humanitarian aims** behind foundation of Arkivoc
- Scientific editors and others work for free
- Charity - US tax code

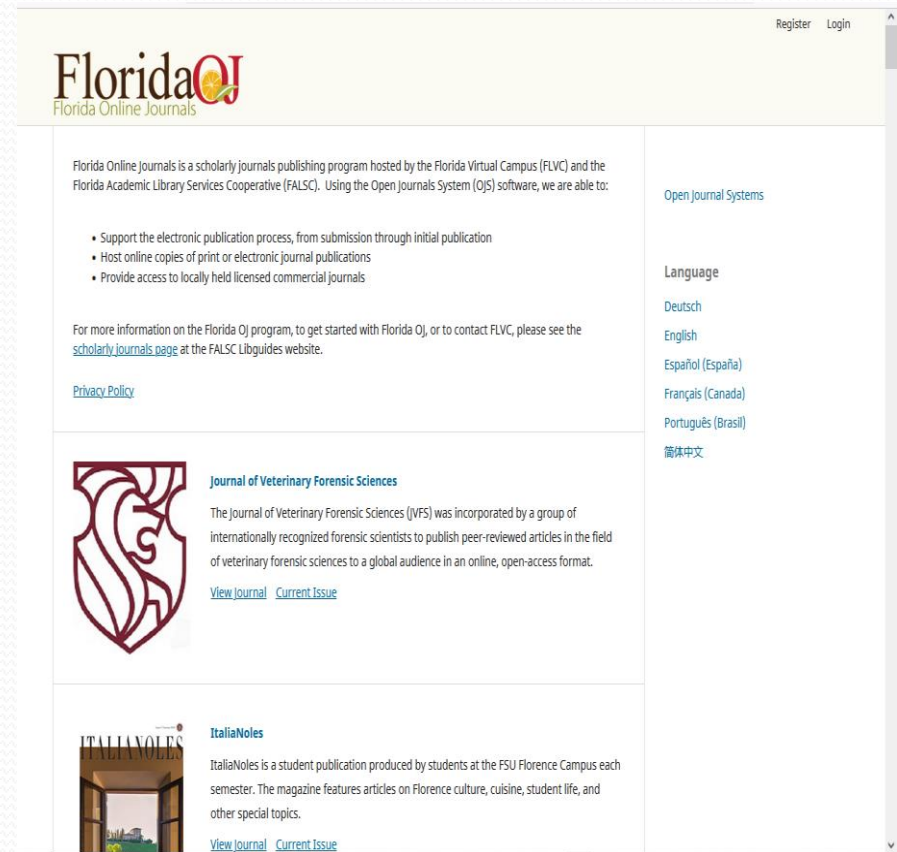


Why open access ?

- Science model is sharing research results
- Publicly funded research results should be available to everybody
- Arkivoc has been open access since its 2000 launch
- Free to both readers and authors
 - Categorized as a **platinum or diamond journal**
- It was awarded DOAJ's best practice Seal award in 2020

Partners

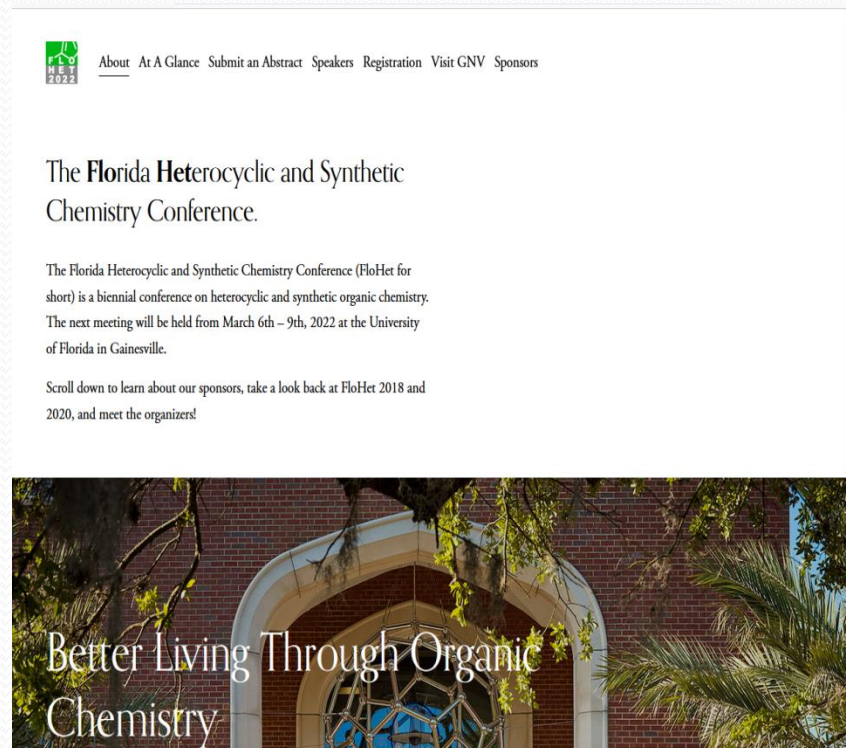
- Uni of Florida: **Chemistry Dept.**
 - FloHet conferences
 - 2018, 2020, 2022
 - Katritzky professor
- Uni of Florida: **Library**
 - Archiving on Florida Online Journals – in progress



The screenshot shows the Florida Online Journals website. At the top right, there are links for "Register" and "Login". The main header features the "FloridaOJ" logo with the tagline "Florida Online Journals". Below the header, a paragraph describes the program: "Florida Online Journals is a scholarly journals publishing program hosted by the Florida Virtual Campus (FLVC) and the Florida Academic Library Services Cooperative (FALSC). Using the Open Journals System (OJS) software, we are able to:" followed by a bulleted list of services: "Support the electronic publication process, from submission through initial publication", "Host online copies of print or electronic journal publications", and "Provide access to locally held licensed commercial journals". A link for "Privacy Policy" is provided. On the right side, there is a "Language" menu with options: "Deutsch", "English", "Español (España)", "Français (Canada)", "Português (Brasil)", and "简体中文". Below this, there are two journal entries. The first is "Journal of Veterinary Forensic Sciences", which includes a logo and a description: "The Journal of Veterinary Forensic Sciences (JVFS) was incorporated by a group of internationally recognized forensic scientists to publish peer-reviewed articles in the field of veterinary forensic sciences to a global audience in an online, open-access format." with links for "View Journal" and "Current Issue". The second entry is "ItaliaNoles", which includes a logo and a description: "ItaliaNoles is a student publication produced by students at the FSU Florence Campus each semester. The magazine features articles on Florence culture, cuisine, student life, and other special topics." with links for "View Journal" and "Current Issue".

FloHet conferences

- Florida Heterocyclic and Synthetic Chemistry Conference
- 3 days in early March
- 250 attendees in 2022
- Plenary, invited and contributed lectures
- Poster presentations



The screenshot shows the website for the FloHet 2022 conference. At the top left is the logo, which consists of a green square with a white 'F' and 'H' and a red 'S' and 'C' arranged in a 2x2 grid, with 'FLO HET 2022' written below it. To the right of the logo is a navigation menu with links: 'About', 'At A Glance', 'Submit an Abstract', 'Speakers', 'Registration', 'Visit GNV', and 'Sponsors'. Below the navigation is the main heading: 'The Florida Heterocyclic and Synthetic Chemistry Conference.' Underneath this is a paragraph of text: 'The Florida Heterocyclic and Synthetic Chemistry Conference (FloHet for short) is a biennial conference on heterocyclic and synthetic organic chemistry. The next meeting will be held from March 6th – 9th, 2022 at the University of Florida in Gainesville.' Below that is another paragraph: 'Scroll down to learn about our sponsors, take a look back at FloHet 2018 and 2020, and meet the organizers!' At the bottom of the screenshot is a banner image of a brick building with a large arched window. The text 'Better Living Through Organic Chemistry' is overlaid on the image in a white serif font.

[About](#) [At A Glance](#) [Submit an Abstract](#) [Speakers](#) [Registration](#) [Visit GNV](#) [Sponsors](#)

The Florida Heterocyclic and Synthetic Chemistry Conference.

The Florida Heterocyclic and Synthetic Chemistry Conference (FloHet for short) is a biennial conference on heterocyclic and synthetic organic chemistry. The next meeting will be held from March 6th – 9th, 2022 at the University of Florida in Gainesville.

Scroll down to learn about our sponsors, take a look back at FloHet 2018 and 2020, and meet the organizers!

Better Living Through Organic Chemistry

Types of issue

- 2000-21
- Honorary issues: 120
- General issues: 77
- Reviews & Accounts: 19
- Regional issues: 5
- Thematic issues: 3
- Conferences: 3

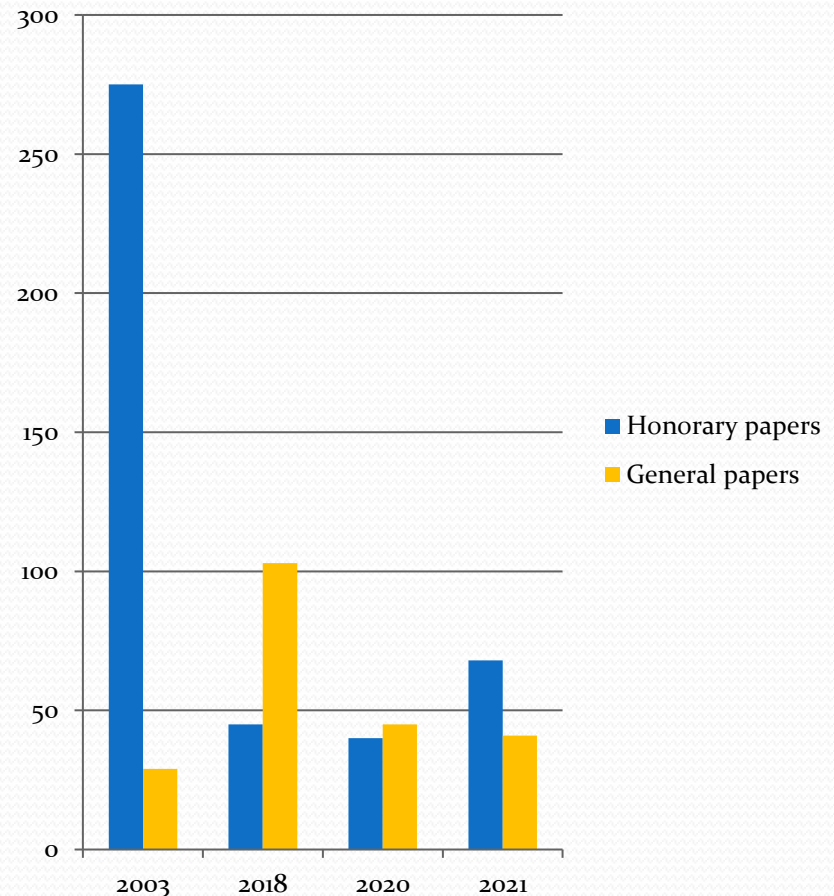


The screenshot shows the ARKIVOC journal website. The header includes the ARKIVOC logo and the text "A Platinum OA Journal for Organic Chemistry Free to Authors and Readers". Below the header is a navigation menu with links for "ABOUT ARKIVOC", "ARKIVOC JOURNAL", "SEARCH ARKIVOC", "CONFERENCES FLOHET/OTHERS", "MONTHLY NEWSLETTER", and "CONTACT US". The main content area is titled "BROWSE ARKIVOC" and features a "Volume List" for "ARKIVOC Volume 2020". The list includes several parts with their respective editors and page counts.

Part (i): Special Issue 'Reviews and Accounts'	Part (ii): Commemorative Issue in Honor of Prof. José Manuel Riveros on the occasion of his 80th anniversary	Part (iii): Regional Issue 'Organic Chemistry in South Africa, part 1'	Part (iv): Special Issue 'Hypervalent Iodine Chemistry, part 1'	Part (v): Regional Issue 'Organic Chemistry in South Africa, part 2'	Part (vi): General Papers	Part (vii): Commemorative Issue in Honor of Prof. Jan Bergman on the occasion of his 80th anniversary
(Issue completed with 14 papers and 577 pages)	Facilitators: Thiago Carita Correia and Frank H Quina Scientific Editor: Martin A. Iglesias-Arteaga (Issue completed with 13 papers and 162 pages)	Facilitator: Willem Arjen Lodevijk van Otterlo Scientific Editor: Bert Maes (Issue completed with 12 papers and 170 pages)	Facilitator: Viktor V. Zhdankin Scientific Editor: Antigoni Kotali (Issue completed with 9 papers and 161 pages)	Facilitator: Willem Arjen Lodevijk van Otterlo Scientific Editor: Alan Cutler (Issue completed with 13 papers and 216 pages)	(Issue completed with 30 papers and 361 pages)	Facilitator: John Arthur Joule Scientific Editor: Ramaiah Muthyala (Issue completed with 27 papers and 421 pages)

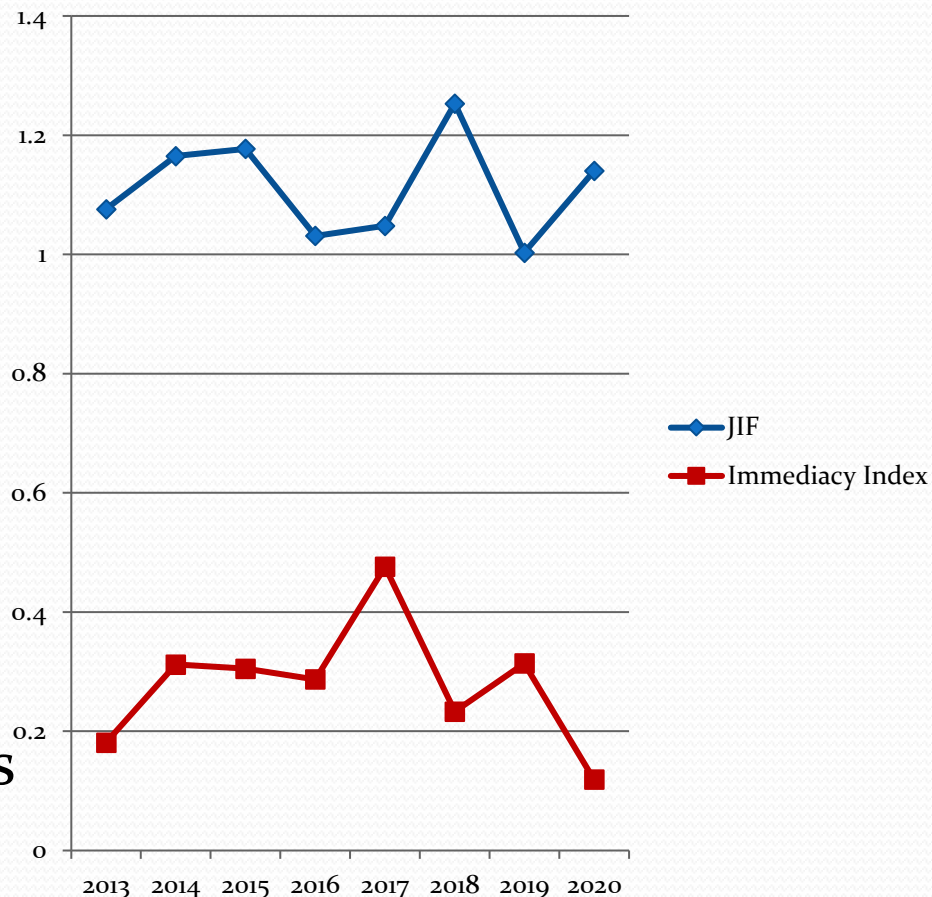
Published papers

- In recent years
 - Fewer general papers
 - More honorary, regional and thematic issues
- Papers per volume
 - 169 (2018)
 - 117 (2019)
 - 133 (2020)
 - 153 (2021)



Journal metrics for Arkivoc

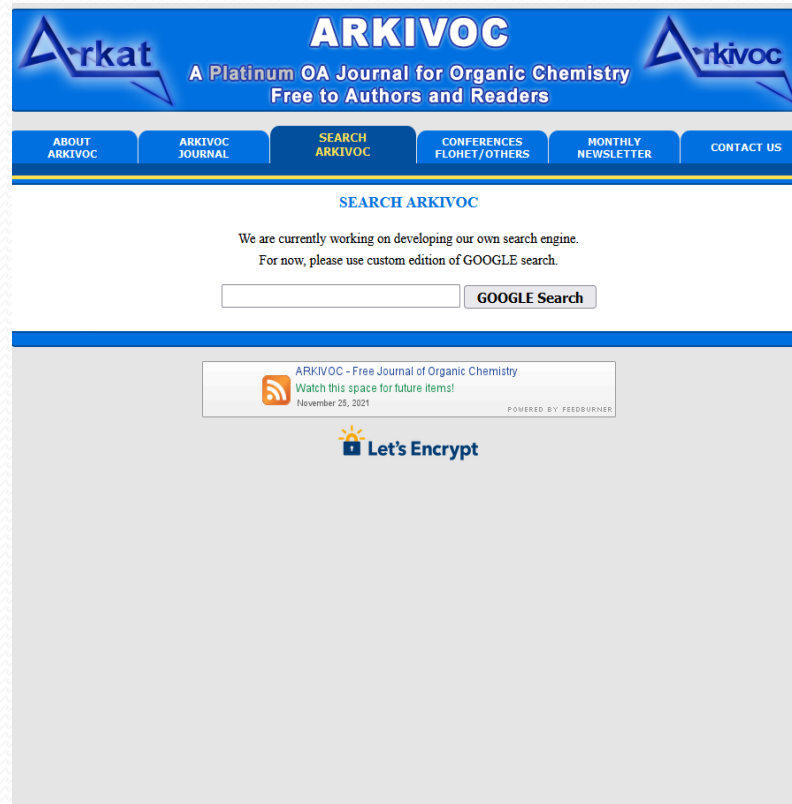
- Journal impact factor
 - 1.140 (2020), up 14%
 - Channelling 1 – 1.2
 - Ranked 44th of 57 organic chemistry journals
- Source:
 - Journal Citation Reports



Finding papers

- Indexing/abstracting services
 - Web of Science
 - Scopus
 - CAS/ SciFinder
 - Google Scholar

- Arkivoc: Google search



The screenshot displays the ARKIVOC website interface. At the top, there is a blue header with the ARKIVOC logo and the text "A Platinum OA Journal for Organic Chemistry Free to Authors and Readers". Below the header is a navigation menu with buttons for "ABOUT ARKIVOC", "ARKIVOC JOURNAL", "SEARCH ARKIVOC", "CONFERENCES FLOHET/OTHERS", "MONTHLY NEWSLETTER", and "CONTACT US". The main content area features a search bar with the text "SEARCH ARKIVOC" and a message: "We are currently working on developing our own search engine. For now, please use custom edition of GOOGLE search." Below the search bar is a "GOOGLE Search" button. At the bottom, there is a "Let's Encrypt" logo and a small box with a RSS icon and the text "ARKIVOC - Free Journal of Organic Chemistry Watch this space for future items! November 25, 2021 POWERED BY FEEDBURNER".

Promotion

- Monthly newsletter
 - e-mail to >8,000 people
 - Opened by 2,000 people
- At FloHet conferences
- Big effort for 25th anniversary (2024)
 - Flyer
 - Special guest issue
 - Humanitarian aims

The screenshot displays the ARKIVOC website's newsletter subscription interface. At the top, the ARKIVOC logo is accompanied by the text "A Platinum OA Journal for Organic Chemistry Free to Authors and Readers". A navigation bar includes links for "ABOUT ARKIVOC", "ARKIVOC JOURNAL", "SEARCH ARKIVOC", "CONFERENCES FLOHET/OTHERS", "MONTHLY NEWSLETTER", and "CONTACT US". The "MONTHLY NEWSLETTER" section features a "View Newsletters" button, a "Subscribe" button, and an "Unsubscribe" button. A "Select Newsletter" dropdown menu is set to "October 2021", and a "Printer Friendly" link is available. The main content area for the "Arkivoc Newsletter" (October 2021) includes the University of Florida logo and the following text: "Sent free to the Editorial Board of Referees and any other interested chemists who request it. To be added to or deleted from our circulation list, please use following links: [Subscribe](#) / [Unsubscribe](#)." Below this, it states: "ARKIVOC is an international journal of organic chemistry completely free electronically world wide. No downloading fees to readers and no page or other charges to authors." Further down, it mentions: "Arkivoc manuscript activity / Traffic at arkat-usa.org". The statistics provided are: "MS in Hand Sep 1st, 2021: 45. Received 25; Published 7; Rejected 12. In Hand End of Sep 51; Manuscripts in Hand Jan 1st, 2021: 64; Received 189; Published 101; Rejected 101." and "Access hits, September: 270,544 from 36,643 visitors; 2021 to date: 2,569,436 from 359,289 visitors." At the bottom, a blue banner reads "Graphical Abstracts of Manuscripts Published in Arkivoc During September 2021".

Peer review

- Rigorous
- Around 700 referees, in 58 countries
 - Ongoing recruitment
- Referee Assigners (3 people)
 - Usually four referees per paper
 - Keyword database, reviewed and updated in 2017
- Automated letters
 - For communication between scientific editors and referees

Relationship with authors

- Creative Commons licence (CC BY)
 - Author retains copyright
 - Author gives Arkivoc the right to publish
- Scientific editors often help with written English
- Templates and “Instructions to Authors”
- Facilitator for honorary, regional and thematic issues
 - Contacting potential authors
- If an paper is rejected, feedback is provided

Paper's journey

Steps towards publication

- Submission & initial screening of papers
- Editorial review
- Publication

People

- By 3 Co-ordinating Editors
 - and 3 Referee Assigners
- By 19 Scientific Editors
 - and referees
- By Publishing Editor,
 - With Manuscript Manager and 3 Publishers

Databases

Public databases

- Arkivoc Journal
 - On ARKAT platform
- Arkivoc Archive
 - On Florida Online Journals (in progress)

Working databases

- Depository (documents)
- Tables for:
 - Vols, Issues, Manuscripts
 - Keywords , Referees
- Reports for:
 - Accepted dates
 - Manuscript publishing
 - Manuscript processing

Committees

Name

- **Control Board**
 - Everybody
 - Around 30 people
- **Steering Committee**
 - People with functional responsibilities

Frequency, location


- Once a year, in March
 - 2020 Florida
 - 2021 by Zoom
 - 2022 Florida / by Zoom
- Once a year, in Sept/Oct
 - 2020 by Zoom
 - 2021 by Zoom

Costs

- Fixed costs:
 - Publishing, IT support, and other expenses
- Variable costs:
 - DOIs (CrossRef)
- Article processing charge:
 - Arkivoc: **free to authors**
 - “Molecules” : 2,300 Swiss francs (approx. \$2,340)

Some recent developments

- **DOIs**, by 2018
- **Prepublication**
 - “In prints” from 2018
- **Best practice Seal award**
 - From DOAJ in 2020
 - 40 evaluation criteria
- **Citation export**, 2021
 - RIS format

	A Platinum Open Access Journal for Organic Chemistry	Review
Free to Authors and Readers	DOAJ Seal	Arkivoc 2021, part i, 162-235

Pyrazole-carboxaldehydes as versatile precursors for different pyrazole-substituted heterocyclic systems

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Received 10-26-2020	Accepted 12-01-2020	Published on line 02-22-2021
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Abstract

In the last decade, interest in pyrazole chemistry has grown considerably due to the discovery of fascinating properties demonstrated by a large number of pyrazole derivatives. They occur in a wide range of natural products, dyes, and as scaffolds in a number of drugs and associated pharmaceutical active substances. Substantial attention has been paid to the creation of hybrid molecules in which two heterocycles are bound in a single molecule to enhance their biological effectiveness and overcome drug resistance. In this regard, this review illustrated various methods for the construction of pyrazole-substituted heterocycles and their corresponding fused derivatives using pyrazole carboxaldehydes as effective precursors. The heterocyclic systems mentioned in this review are categorized according to the type of the heterocyclic systems.

What next?

- If you are an organic chemist and would like to help with refereeing papers
 - contact Prof. John Joule, john.joule@manchester.ac.uk
- Consider making a donation to support Arkivoc
 - Further information on website
 - <https://www.arkat-usa.org/about-arkivoc/donate/>
- Contribute a paper