



ACS Read + Publish Agreement for Thailand Consortium

By Mandy Sum, Jane Yun & Sue Law



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pubs.acs.org

Topics

1. ACS Read & Publish Agreement
2. ACS Read & Publish Workflow for Authors
3. ACS On-boarding Support
4. Q&A

What is ACS?



"American Chemical Society Building" by AgnosticPreachersKid, Wikipedia. CC BY 3.0 license. Cropped for size.

- The **world's largest membership** organization for chemistry, and one of the world's largest scientific societies
- Headquartered in **Washington, DC and Columbus, OH**
- **ACS Publications:**
 - Publisher of **over 80 journals**, including 15 fully open access journals and 60+ transformative journals (as of 2023)
 - Almost 200,000 submissions and **60,000 research articles published annually**
 - **6 book series**
 - ***Chemical & Engineering News***, the official magazine of the ACS

ACS Investment in, and Commitment to, Open Access

ACS authors publishing open access*

66% INCREASE
in last two years

ACS articles published open access

63% INCREASE
in last two years

ACS open access article downloads

101% INCREASE
in last two years

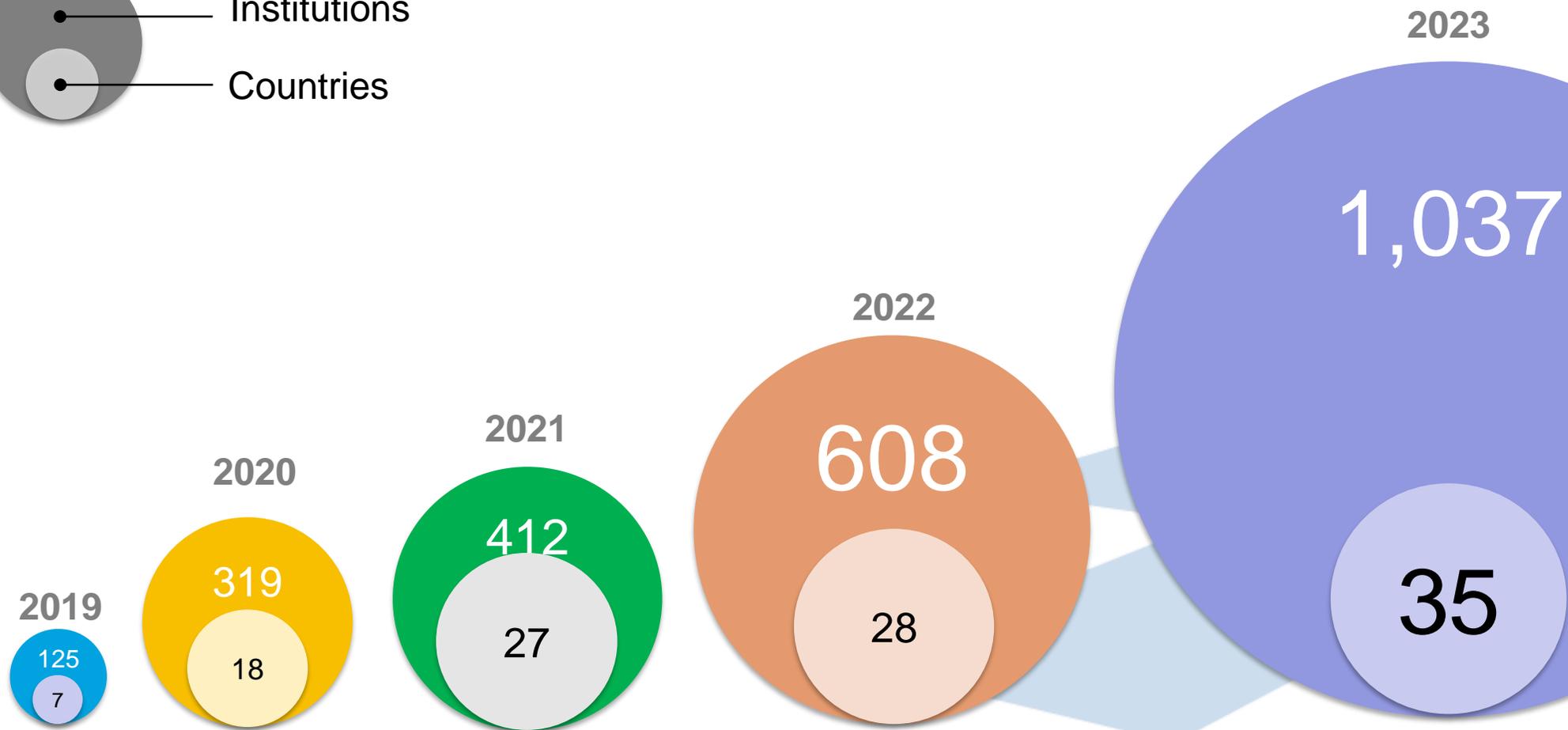
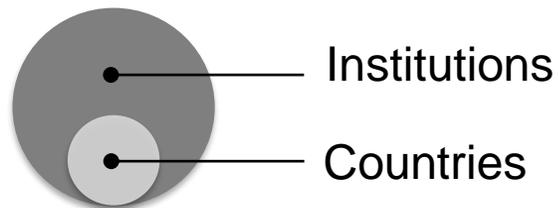
*Denotes corresponding authors

- 15+ fully open access journals
- Extensive hybrid journals program
- Option to publish OA in all 60+ transformative journals
- Investment in workflows to support OA publishing
- Actively working towards read and publish agreements with consortia partners worldwide

What is ACS Read and Publish Agreement?

- Often referred to as **Transformative Agreement**
- Facilitate transition from supporting information needs to **supporting publishing needs**
- Most often negotiated at **consortium level**
- Can include **full or partial publication costs**

Growth in Read and Publish Agreements



What's Driving This Growth?

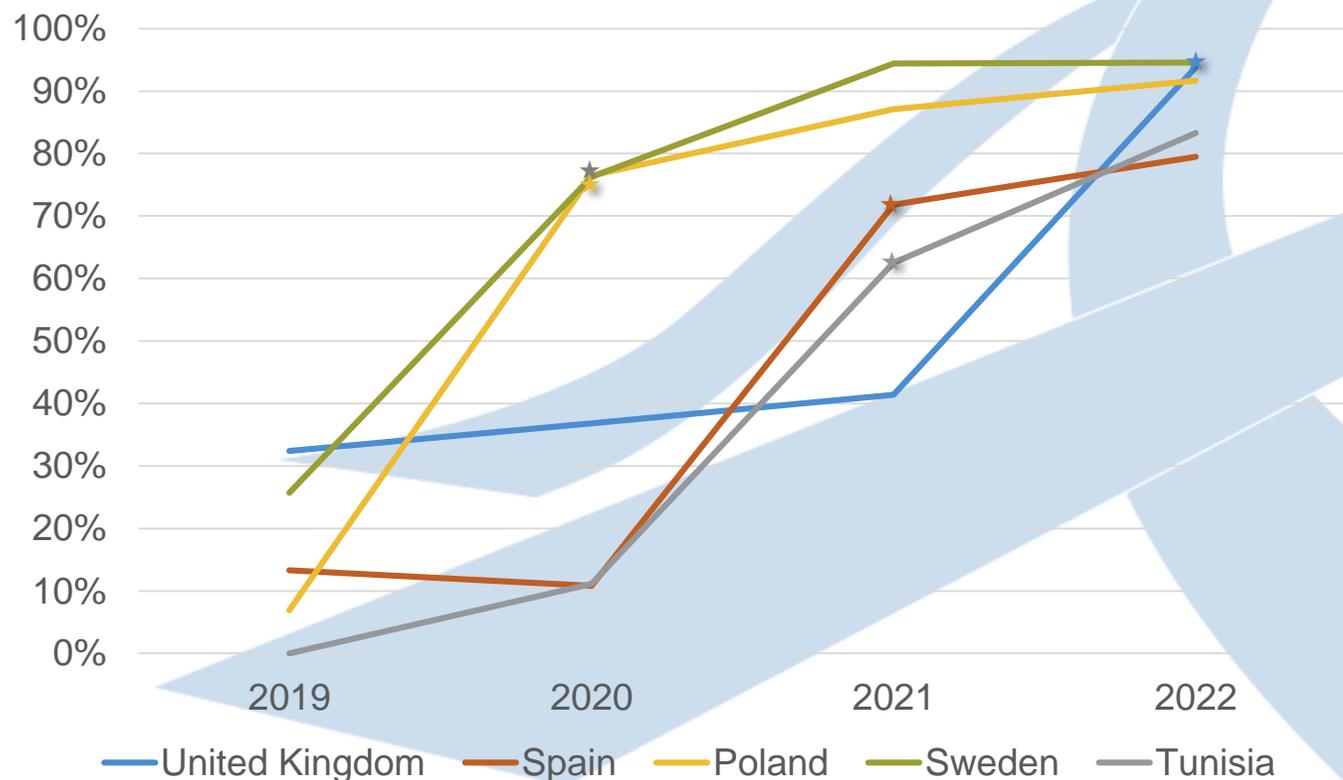
- Institutional strategies
- Author preferences for OA
- Funder and government mandates for immediate open access
- Existing private research fund mandates around open access

The Impact of Read and Publish Agreements on Open Access Publishing

- National-level OA agreements tend to result in a **huge increase** in OA uptake by authors

- UK (2022): from 41% to 94%
- Spain (2021): from 11% to 80%
- Tunisia (2021): from 11% to 83%
- Poland (2020): from 7% to 92%
- Sweden (2020): from 26% to 95%

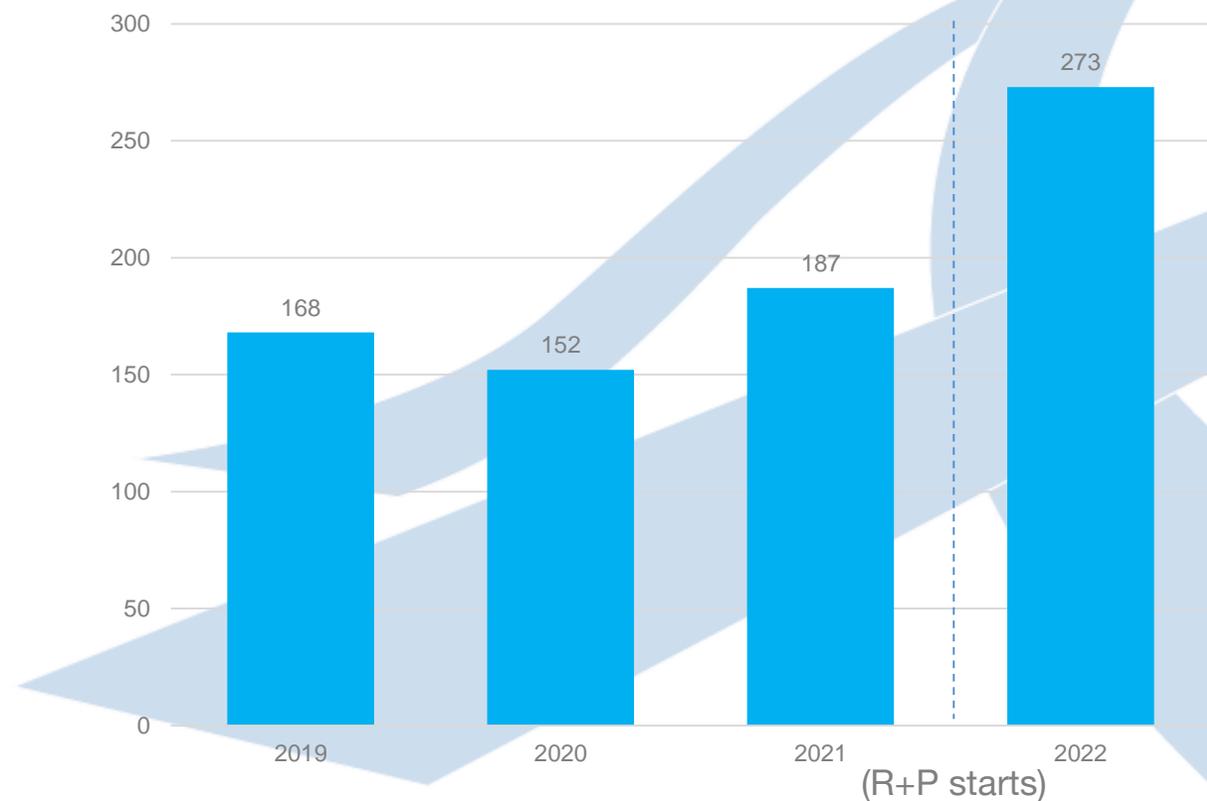
National OA agreements:
% of ACS articles published open access



Case Study: ACS Read and Publish Agreement in Türkiye

- Read and publish agreement **began in 2022** and covers the majority of Turkish authors
- **63% growth in number of published papers** from 2019-2022
 - **50% growth in submissions to ACS journals**
- Ranked by submissions to all ACS journals, Turkey has **grown from 23rd place to 17th**

Original research articles published by authors from Türkiye in ACS journals, 2019-2022



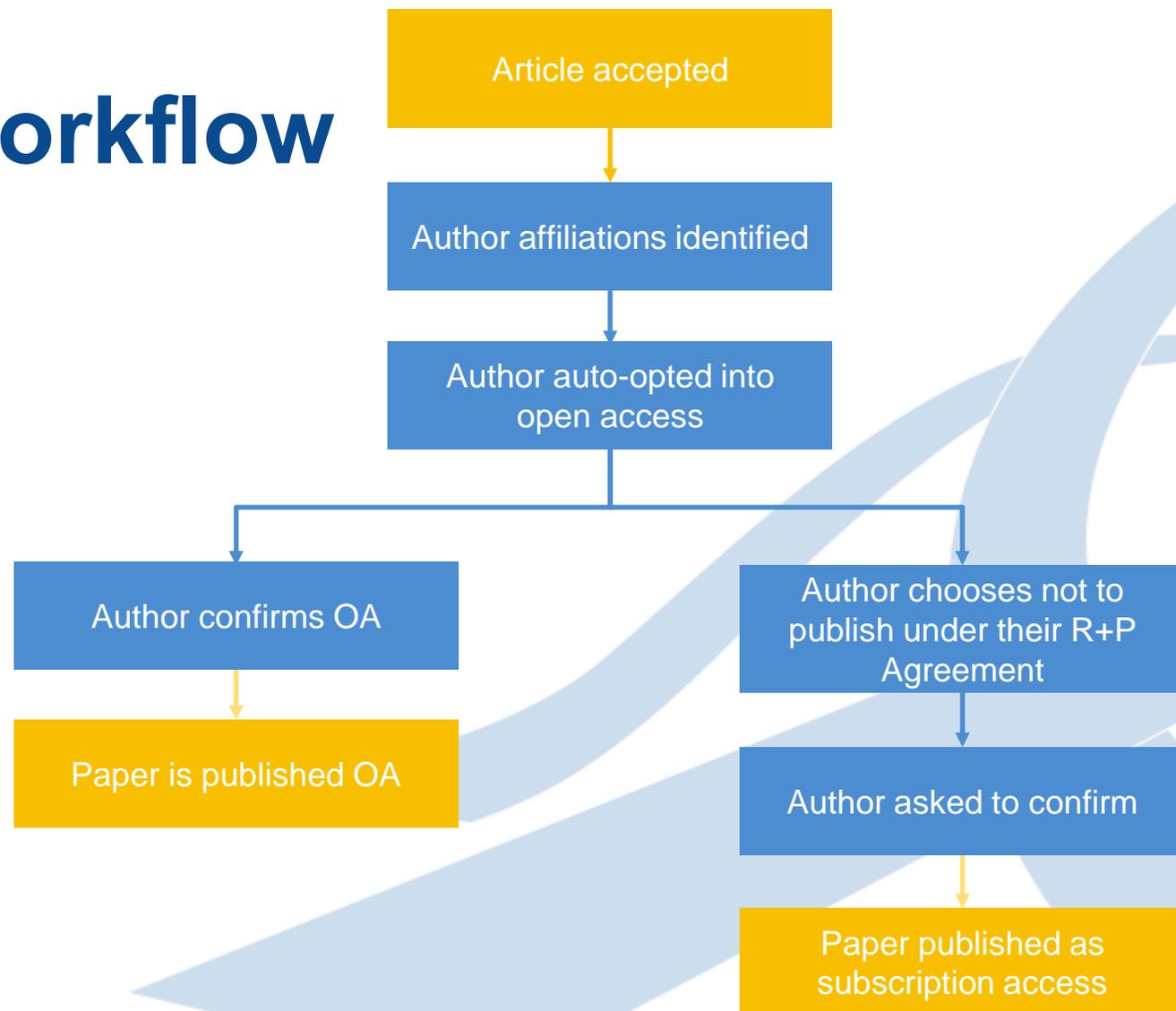
'Read': Full Access to ACS journals



- Full reading access to all 60+ hybrid journals
- ACS also publishes 15+ fully open access journals that are completely free to read
- Highlights include:
 - *JACS* (2 Year IF 2022: 15)
 - *ACS Central Science* (2 Year IF 2022: 18.2)
 - *Environmental Science & Technology* (11.4)
 - *ES&T Letters* (10.9)
 - *ACS Materials Letters* (11.4)

'Publish': the OA Workflow

- Authors prompted to make use of your read and publish agreement
- Corresponding author simply needs to confirm they wish to publish OA under the agreement
- No administration required
- OA articles deposited in PubMed Central and Europe PMC



ACS fully open access journals



Which ACS Journals Are Included?

Journal / Collection	Included In Agreement?
 <u>ACS Central Science</u>	Diamond open access: Free to publish and read
 <u>ACS Omega</u>	✓ APC covered
 <u>ACS Au family (Including JACS Au)</u>	✓ APC covered
 <u>Artificial Photosynthesis</u>  <u>Chem & Bio Engineering</u>  <u>Chemical & Biomedical Imaging</u>  <u>Environment & Health</u>  <u>Precision Chemistry</u>	Waivers available: see individual journals for information
<u>ACS hybrid / transformative Journals</u>	✓ APC covered



ACS AND OPEN ACCESS - Author Experience

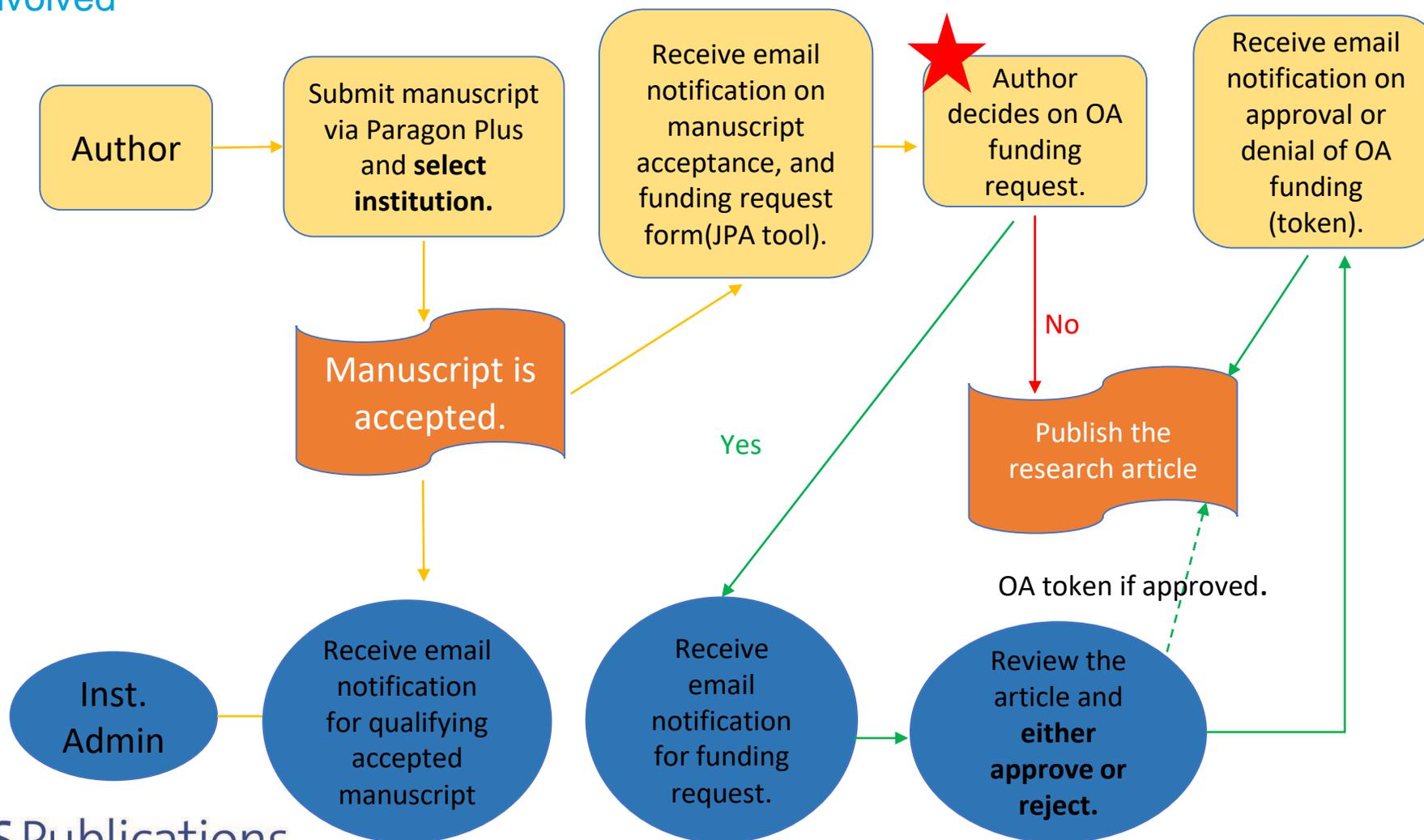


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Read and Publish Program Workflow

Author-involved



Overview of ACS Publishing Process

- **Step 1: Stay Informed**

Keeping up with the latest findings from your research community is essential to future publishing success.

- **Step 2: Prepare Your Manuscript**

Putting together a compelling new story with your research. With over 80 ACS journals to choose from, you are sure to find a good outlet for your research.

- **Step 3: Submit Your Manuscript** ✓

Now it's time to submit – 'ACS Paragon Plus'.

- **Step 4: Peer Review**

Your manuscript will be thoroughly reviewed by at least three of your peers with the goal of validating and improving the content prior to publication.

- **Step 5: Publish** ✓

Congratulations, you've been accepted for publication!

- **Step 6: Share**

When authors take action to share their research with the global scientific community, they help maximize its impact.

Manuscript Submission - ACS Publishing Center

1. Login with ACS ID. Register if you do not have an ACS ID.

ACS Publishing Center

Everything you need to prepare and review manuscripts for ACS journals.

Log in to view the status of your submitted work, manuscripts you are reviewing, and performance of published articles.

Login Don't have an ACS ID? Register Now

1. Select the journal that you wish to submit to.

Journal Guidelines And Templates

Everything you need to prepare and submit your manuscript

ACS Omega

Looking for information on book publishing?
Get the basics here.

ACS OMEGA

ACS Omega is an open-access global publication for scientific articles that describe new findings in chemistry and interfacing areas of science, without any perceived evaluation of immediate impact, with a low, flat article publishing charge.

More about ACS Omega

For Authors & Reviewers

- Author Guidelines
- ACS Research Data Policy
- Prior Publication Policy
- Copyright
- Permissions
- Open Access Compliance
- Open Access Options

For Reviewers

Submit Manuscript

1. Click 'Submit Manuscript'.

ACS Paragon Plus – OA Matching Begins at Submission

- Matching to a R+P agreement begins at manuscript **submission**.
- R+P agreement matching is based on the institution contained in the Paragon Plus profile of the submitting author.
- It is **important** that the author select their institution from the dropdown list.



Edit My Profile

- 1 E-Mail / Name
- 2 Address
- 3 Areas of Expertise
- 4 Other Profile Details

Primary Address

Institution: CHULALONGKORN

Department: Chulalongkorn University
Bangkok, Bangkok, TH, academic

Address: Chulalongkorn University Faculty of Science
Bangkok, TH, academic/gen
Chulalongkorn University Faculty of Engineering
Bangkok, TH, academic/eng

Country/Region: Bangkok, TH, academic/eng

State/Province: Chulalongkorn University Faculty of Arts
Bangkok, TH, academic/gen

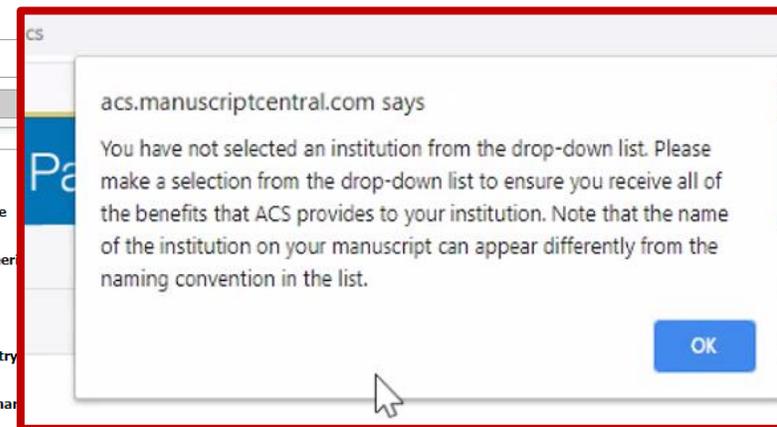
City: Chulalongkorn University Faculty of Dentistry
Bangkok, Bangkok, TH, academic/dental

Postal Code: Chulalongkorn University Faculty of Veterinary
Bangkok, Bangkok, TH, academic/vet

Phone: Chulalongkorn University Faculty of Veterinary
Bangkok, Bangkok, TH, academic/vet

Fax: Chulalongkorn Business School
Bangkok, TH, academic/bus
Chulalongkorn University Department of Internal
Medicine
Bangkok, Bangkok, TH, academic/hospital

If the author does not select an institution from the dropdown list, a warning message appears.



Manuscript Submission – OA Questions

Author will be asked if they need to comply with any Open Access mandates...

Open Access Mandates	
* Are you expected to comply with Open Access mandates?	
<input type="radio"/>	Yes
<input type="radio"/>	No

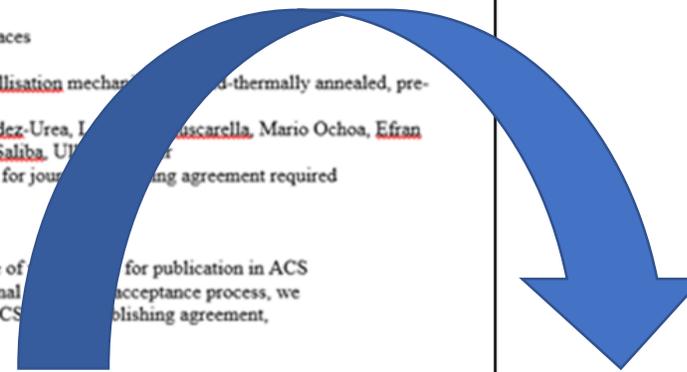
...and how they may pay for any required OA publication costs

* If yes, how are you intending to pay for Open Access Charges ? The ACS Journal Finder is available for you to determine your best available option.	
<input type="radio"/>	I plan to submit a request for support through an institutional open access agreement .
<input type="radio"/>	I plan to pay with grant funding associated with this manuscript.
<input type="radio"/>	I plan to pay with discretionary funding.

The answers to these questions DO NOT affect the OA workflow but are designed to get the author thinking about open access and how they may pay the APC.

Manuscript Acceptance – Journal Publishing Agreement (JPA) Assistant

When the manuscript is accepted, the submitting author receives an email. The link within the email takes the author to the JPA Assistant where they must sign the journal publishing agreement to assign copyright to the manuscript.



January 13, 2021

Journal: ACS Applied Materials + Interfaces
Manuscript No.: am-2020-20958u
Title: Shaping perovskites: In-situ crystallisation mechanism of thermally annealed, pre-patterned perovskite films
Authors: Antonio Gnzler, Esteban Bermdez-Urea, I...uscarella, Mario Ochoa, Efran Ochoa-Martinez, Bruno Ehrler, Michael Saliba, U...
Status: Manuscript Accepted - Signature for journal publishing agreement required

Dear Dr. Ullrich Steiner:

Congratulations on the recent acceptance of your manuscript for publication in ACS Applied Materials + Interfaces. As the final acceptance process, we now need you to complete and sign an ACS journal publishing agreement, accessible via this link:

<https://jpa.acs.org/ipawizard/home?x=Jk1ToeBGPr1SP...>

Please note: An ACS ID is required to access this site. <https://pubs.acs.org/publish/> to register for an account. Paragon Plus account prior to initiating a journal publication. If you do not have an ACS Paragon Plus account or need help linking your account, please contact support@services.acs.org.

Please complete and sign a journal publishing agreement before we can publish your article until we have a valid, signed journal publishing agreement.

If you have any questions about the publishing process, please contact mprecept@acs.org.

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ACS Journal Production Team
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<http://pubs.acs.org>

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Welcome

Journal Publishing Agreement

Welcome owjoi

Thank you for choosing to publish your manuscript in "Analytical Chemistry".

In order to proceed, please review the below information and confirm that all is correct. If you have any questions or need corrections, please click on the "Need Help?" button at the bottom of the screen. If all of the below information is correct, please proceed to the next screen.

Manuscript Title Nitrogen Bubbles at Pt Nanoelectrodes in Non-Aqueous Medium-Oscillating Behavior and Geometry of Critical Nuclei	Manuscript ID ac-2019-05510t	Received Date 05 December 2019
Journal Name Analytical Chemistry	Contact Email qianjinchen@dhu.edu.cn	
Corresponding Author Name Prof. Qianjin Chen	Co-Authors Dr. Yuwen Liu, Dr. Martin A. Edwards, Yulong Liu, Dr. Henry S. White	
Contact Address No. 2999, North Renmin Rd, Songjiang, Shanghai, 201620		

[Proceed](#) [Save and Close](#) [Need Help?](#)

Journal Publishing Agreement Assistant

Beginning of JPA Tool, manuscript information will be displayed.



Welcome

Journal Publishing Agreement

Welcome

Thank you for choosing to publish your manuscript in "Analytical Chemistry".

In order to proceed, please review the below information and confirm that all is correct. If you have any questions or need corrections, please click on the "Need Help?" button at the bottom of the screen. If all of the below information is correct, please proceed to the next screen.

Manuscript Title

Nitrogen Bubbles at Pt Nanoelectrodes in Non-Aqueous Medium-Oscillating Behavior and Geometry of Critical Nuclei

Journal Name

Analytical Chemistry

Manuscript ID

Received Date

05 December 2019

Corresponding Author Name

Prof. Qianjin Chen

Contact Email

Contact Address

No. 2999, North Renmin Rd, Songjiang, Shanghai, 201620

Co-Authors

Dr. Yuwen Liu, Dr. Martin A. Edwards, Yulong Liu, Dr. Henry S. White

Proceed

Save and Close

Need Help?

Journal Publishing Agreement Assistant Cont.

The JPA will identify that the author is affiliated with **MHESI** and is eligible to seek funding to publish Open Access using the agreement.

By choosing the 'Yes, I wish to publish open access as per the agreement?' option, the author will retain copyright.



Welcome

Journal Publishing Agreement

Our system has identified that your institution has an agreement with ACS. This agreement is associated with ACS University Department of Chemistry, which allows you to retain copyright and publish under a Creative Commons license of your choice.

Do you want to publish open access as per the agreement?

Yes, I wish to publish open access as per the agreement.

No, I do **not** wish to publish open access.

Save and Continue >

Save and Close

< Back

☎ Need Help?



Journal Publishing Agreement Assistant Cont.

If the author chooses the 'No, I do **not** wish to publish open access' option, the JPA assistant will confirm the intent of the author when affiliated with OA Agreement.

Journal Publishing Agreement

Our system has identified that your institution/funder has an agreement with ACS. This agreement is associated with **Your Institution/Funder Agreement Name** which allows you to retain copyright and publish under a CC BY license.

Do you want to publish open access as per the agreement?

Yes, I wish to publish open access as per the agreement.

No, I do **not** wish to publish open access.

By answering "No" you are declining the opportunity to have your institution fund your open access fees. If you would like to request open access funding through your institutional agreement, please change your response to "yes, I wish to publish open access per the agreement." If you have additional questions, contact support@services.acs.org.

Ok

Journal Publishing Agreement Assistant Cont.

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Journal Publishing Agreement

Were all authors of this manuscript **employees of one of the governments** listed below when they researched the manuscript?

- One or more authors was **not** an employee of any of the listed governments when they contributed to the manuscript.
- All authors were **United States (U.S.)** Government employees when they contributed to the manuscript.
- All authors were **United Kingdom (U.K.)** Government employees when they contributed to the manuscript.
- All authors were **Canadian** Government employees when they contributed to the manuscript.
- All authors were **Australian** Government employees when they contributed to the manuscript.
- All authors were **New Zealand** Government employees when they contributed to the manuscript.

Was the corresponding author of the manuscript an employee of the government of a Commonwealth country that recognizes Crown Copyright, when the manuscript was submitted for publication?

- Yes, the corresponding author **is** an employee of one of those governments when they contributed to the manuscript.
- No, the corresponding author is **not** an employee of one of those governments when they contributed to the manuscript.

[Save and Continue](#) [Save and Close](#) [Back](#)

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Journal Publishing Agreement

Does your employer need to sign* this Journal Publishing Agreement?

- Yes, my employer needs to sign this agreement
- No, my employer **does not** need to sign this agreement

* Authors are commonly authorized to sign agreements on behalf of their employer. If you are not sure, you might want to check with your employer or a legal advisor.

[Save and Continue](#) [Save and Close](#)

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Journal Publishing Agreement

Electronic Submission for Journal Publishing Agreement

Thank you for completing the Journal Publishing Agreement for your manuscript. You can review the agreement here [Preview](#)

If you agree with the terms, please sign the electronic version of the Journal Publishing Agreement for the manuscript.

Please enter your full name as signature in the box below.

I acknowledge that I have both reviewed and agree to the terms of this Journal Publishing Agreement.

Need to sign the agreement physically? Click [here to download a PDF version](#).

Click on "Save and Close" to save your progress. Please note that you are able to end this session and finish it later.

[Submit](#) [Save and Close](#) [Back](#) [Need Help?](#)

There are several other questions required to complete the journal publishing agreement. Answer the questions and click **Save and Continue**.

Once you have signed the JPA, click **Submit**.

OA Funding Request to MHESI Institutions

1) 'Order Open Access' link after JPA is completed.

As author finishes the path, they are provided the link to complete Open Access transaction to request OA funding to institution.

Journal Publishing Agreement

Next steps

Thank you for taking the time to complete the Journal Publishing Agreement for the Manuscript "Direct Experimental Characterization of the Ferrier Glycosyl Cation in the Gas Phase" for the Journal "*Organic Letters*". Now that you have submitted your agreement, you will receive an email confirmation shortly that includes a copy of the completed form for your records.

Your ACS Journal Publishing Agreement stipulates that your article will be made open, and therefore you will retain copyright. However, please note that **an order must be completed** before ACS can publish your manuscript.

[Order Open Access](#)

You will be redirected to our ecommerce partner to place your order.

We value your feedback and are interested in finding out more about your experience today. Please complete a brief survey which will take less than 5 minutes.

[Take Survey](#)

[Need Help?](#)

OA Funding Request to Institution Cont.

2) Author completes OA funding request by selecting the “Publish OA” option and completing all necessary steps to finalize the order.

CCC | RightsLink ? Help | Live chat | Heather Parrett

PAY AUTHOR CHARGES FOR

“Manuscript Title” ▼ Manuscript Details

Author:
Manuscript ID:

Funding Options | Charges Estimate | Billing Details | Order Review | Confirmation

You may be eligible for funding under one or more agreements.

If you would like to seek funding approval under one of these agreements, please make the appropriate selection below. Note: the invoicing agreements will pre-populate key data elements in your transaction including currency, billing address and VAT information, if applicable.

If you don't wish to pay your open access charges using an existing agreement, please choose **Bill Me**.

Publish OA under the agreement with **Institution NAME**

Charges Covered: Open Access

Bill Me

Institution Contact Information

Show address

▶ NEXT

OA Funding Request to Institution Cont.

3) Select choice of your license type: CC-BY or CC-BY-NC-ND.

The author reviews the charges estimate – this will be \$0 when requesting funding through the agreement and ensure to click 'submit for approval' to complete the request.

PAY AUTHOR CHARGES FOR

"Agreement Standard workflow cc choice"

Author: Rhonda Lands
Manuscript ID: [10.1021/acseenergylett.4c09767](#)

Funding Options → Charges Estimate → Sign In / Registration → Billing

Available Charges

The American Chemical Society has partnered with Copyright Clearance Center's RightsLink service to offer a convenient way to pay your Open Access charges. Determine the charges for publishing your manuscript Open Access below. Click [here](#) for a guide on the different Open Access options available.

Open Access charge (mandatory) ▾

This article will be made Open Access after all charges are paid in full.

ACS AuthorChoice

Open Access ▾

Creative Commons License

CC-BY-NC-ND

DISCOUNTS APPLIED

Tax/VAT *	Total Due
0.00 USD	0.00 USD
0.00 USD	0.00 USD

TOTAL DUE: **0.00 USD**

* Tax/VAT may be based on the customer location and is the customer's responsibility.

Organization Contact: **CCC dem Contact**
Email: acs_agreementmgr@copyright.com
Phone: **0191 3341586**

Order Reference or Purchase Order Number (optional)

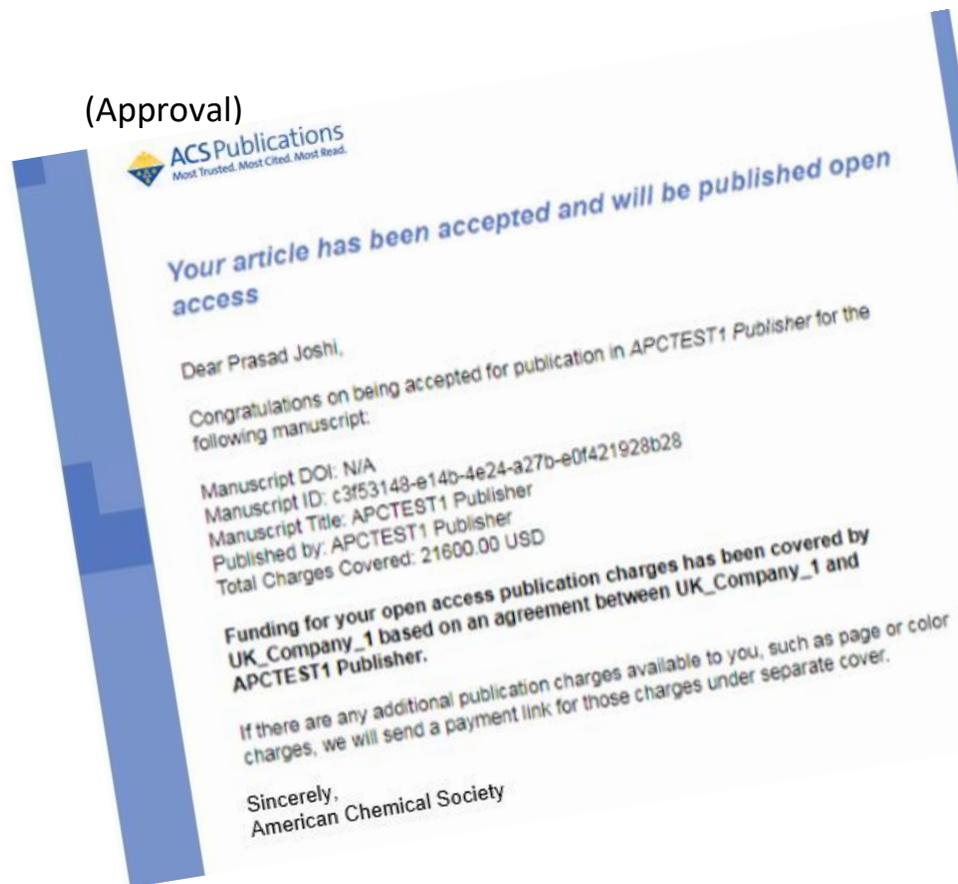
Although there is no balance due, you must click "Submit for Approval" to complete this transaction. Failure to do so could delay publication or affect compliance with funding terms or agreements.

I have read and accept the terms and conditions

[« Back](#) [» SUBMIT FOR APPROVAL](#)

Open Access Agreement Workflow – Funding Notification

(Approval)



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Your article has been accepted and will be published open access

Dear Prasad Joshi,

Congratulations on being accepted for publication in APCTEST1 Publisher for the following manuscript:

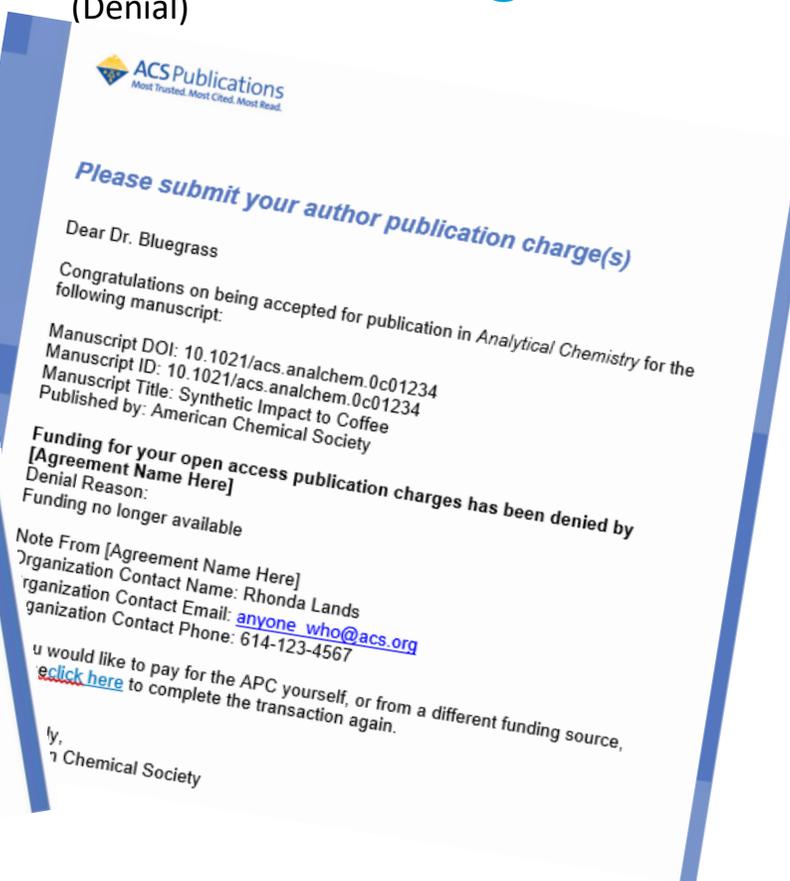
Manuscript DOI: N/A
Manuscript ID: c3f53148-e14b-4e24-a27b-e0f421928b28
Manuscript Title: APCTEST1 Publisher
Published by: APCTEST1 Publisher
Total Charges Covered: 21600.00 USD

Funding for your open access publication charges has been covered by UK_Company_1 based on an agreement between UK_Company_1 and APCTEST1 Publisher.

If there are any additional publication charges available to you, such as page or color charges, we will send a payment link for those charges under separate cover.

Sincerely,
American Chemical Society

(Denial)



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Please submit your author publication charge(s)

Dear Dr. Bluegrass

Congratulations on being accepted for publication in *Analytical Chemistry* for the following manuscript:

Manuscript DOI: 10.1021/acs.analchem.0c01234
Manuscript ID: 10.1021/acs.analchem.0c01234
Manuscript Title: Synthetic Impact to Coffee
Published by: American Chemical Society

Funding for your open access publication charges has been denied by [Agreement Name Here]

Denial Reason:
Funding no longer available

Note From [Agreement Name Here]
Organization Contact Name: Rhonda Lands
Organization Contact Email: anyone_who@acs.org
Organization Contact Phone: 614-123-4567

You would like to pay for the APC yourself, or from a different funding source, [click here](#) to complete the transaction again.

Sincerely,
American Chemical Society



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Open Access Agreement Workflow – Approval Notification

ACS Applied Electronic Materials: Your manuscript funding status and next steps

Dear [REDACTED]

Congratulations on being accepted for publication in *ACS Applied Electronic Materials* for the following manuscript:

Manuscript DOI: [REDACTED]
Manuscript ID: [REDACTED]
Manuscript Title: Test Manuscript Created at 2022-09-26T02:47:06.967804
Published by: American Chemical Society

We have new information regarding coverage of your open access or other publication charges associated with publishing in *ACS Applied Electronic Materials*.

Based on the decision(s) summarized below, your currently required fees are all covered. If additional fees are required of you at a later point and cannot be covered by the agreement(s) below, you will receive a payment link under separate cover.

The following is a summary of all funding decisions which have been made to-date for your manuscript:

1. Funding for your Open Access fees which we requested on your behalf has been **approved** by ACS University based on an agreement between ACS University and American Chemical Society:

Funding Details
Request Date: 26-Sep-2022
Order Number: 10000008049
Total of All Charges Covered: [REDACTED]
Organization Contact Name: Rhonda Lands
Organization Contact Email: r_lands@acs.org
Organization Contact Phone: 7404123022

Sincerely,
American Chemical Society

If the funding request is approved, the author will receive an email notification (*example to the left*).

The manuscript will publish as Open Access with author's choice of creative commons license(CC-BY or CC-BY-NC-ND) when ACS production has completed the process and the manuscript is ready to be published online.

Open Access Agreement Workflow – Denial Notification

If the funding request is denied, the author will receive an email notification (*example to the right*).

Notification will include denial reason provided by institution administrator if selected.

Journal of the American Society for Mass Spectrometry: Your manuscript funding status and next steps

Dear [REDACTED]

Congratulations on being accepted for publication in *Journal of the American Society for Mass Spectrometry* for the following manuscript:

Manuscript DOI: [REDACTED]

Manuscript ID: [REDACTED]

Manuscript Title: [REDACTED]

Published by: American Chemical Society

We have new information regarding coverage of your open access or other publication charges associated with publishing in *Journal of the American Society for Mass Spectrometry*.

Funding for the open access fees through the institutional open access agreement with the ACS has been denied. If you would like to, or are required by funding mandates to publish open access, please [click here](#) to complete the purchase. Please note: a delay in payment could result in a delay to publication.

The following is a summary of all funding decisions which have been made to-date for your manuscript:

1. Funding for your Open Access fees which you submitted has been **denied** by Tokyo Institute of Technology:

Denial Details

Request Date: 30-May-2023

Denial Reason: Questioning Author Affiliation

Note From [REDACTED]

Organization Contact Name: Open Access Administrator

Organization Contact Email: materials@libra.titech.ac.jp

Organization Contact Phone: 81 3-3726-1111

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ACS Paragon Plus – Overview

The screenshot displays the ACS Paragon Plus dashboard. At the top, the ACS Publications logo and tagline 'Most Trusted. Most Cited. Most Read.' are visible alongside the 'ACS Paragon Plus' title. Below this, a 'Welcome to ACS Paragon Plus' message is shown. The main content area is divided into two columns. The left column features a 'To submit a NEW manuscript:' section with a dropdown menu for selecting a journal, listing options such as 'Accounts of Chemical Research', 'Accounts of Materials Research', 'ACS Agricultural Science & Technology', 'ACS Applied Bio Materials', and 'ACS Applied Electronic Materials'. Below this is a 'My Authoring Activity' section with a sub-tab for 'My Reviewing Activity'. The activity list includes: 15 'Incomplete Manuscript Submissions', 2 'Unsubmitted Manuscripts', 1 'Manuscripts Awaiting Author Approval to Transfer', and 15 'Submitted to Editorial Office'. The right column is titled 'Journal Publishing' and contains a list of resources: 'How to Submit a Manuscript', 'Information for Reviewers', 'Ethical Guidelines & Plagiarism Screening', 'Copyright/Journal Publishing Agreement', 'Permissions & Credit Lines', and 'Open Access/ACS AuthorChoice'.

Submitting new manuscripts
Dashboard of Activity – Author and Reviewer
Profile Info

Other resources

- Guidelines
- Information on JPA and OA

Logging into ACS Paragon Plus with ACS ID.
Creating ACS ID is free.

ACS Paragon Plus – Managing your profile

When I look at my account, my name, affiliated institution or other information is presented incorrectly.

After logging in, click on "Edit Your Account" (under your name), to update your account information.

****Recommend to use your institutional email domain in ACS Paragon Plus for R&P agreement.***

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ACS Paragon Plus

Home

Edit Profile

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Welcome to ACS Paragon Plus

To submit a NEW manuscript

Edit My Profile

- 1 E-Mail / Name
- 2 Address
- 3 Areas of Expertise
- 4 Other Profile Details

Primary Address

Institution: req

Department:

Address:

Country/Region: req

State/Province:

City: req

Postal Code: req

Phone:

Fax:

Primary Cc E-Mail Address:

Secondary E-Mail Address:

ACS Paragon Plus – Affiliated Institution

You can only select one primary affiliated institution in ACS Paragon Plus but I have multiple affiliated institutions...



RETURN TO ISSUE | < PREV ARTICLE NEXT >

Flow Injection Amperometric Measurement of Formalin in Seafood

Kamonchanok Torrarit, Supatinee Kongkaew, Kritsada Samoson, Proespichaya Kanatharana, Panote Thavarungkul, Kah Haw Chang, Ahmad Fahmi Lim Abdullah, and Warakorn Limbut*

Warakorn Limbut
Division of Health and Applied Sciences, Faculty of Science, Prince of Songkla University, Hat Yai, Songkhla 90110, Thailand
Forensic Science Innovation and Service Center, Prince of Songkla University, Hat Yai, Songkhla 90110, Thailand
Center of Excellence for Trace Analysis and Biosensor, Prince of Songkla University, Hat Yai, Songkhla 90110, Thailand
Center of Excellence for Innovation in Chemistry, Faculty of Science, Prince of Songkla University, Hat Yai, Songkhla 90110, Thailand
*Tel.: +66 74 288563. Fax: +66 74 446681. Email: warakorn.l@psu.ac.th
More by Warakorn Limbut
<https://orcid.org/0000-0002-9312-2538>

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1037
Altmetric
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Citations
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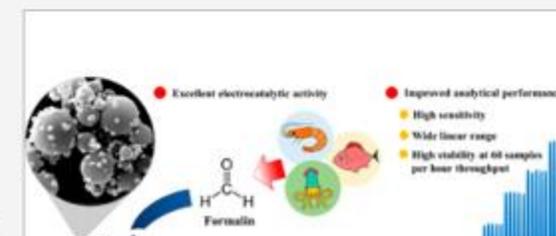
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...bacterial and a preservative in seafood products. It is extremely important for public health, and accurately detect formalin in fresh seafood. In this work, we developed a flow injection sensor based on a glassy carbon electrode modified with a composite of palladium particles and carbon microspheres (PdPs-CMs/GCE). The CMs were decorated with PdPs via an electroless deposition method. The surface morphology of the CMs and the PdPs-CMs composite was characterized by scanning electron microscopy/energy dispersive X-ray spectroscopy (SEM/EDX). The electrochemical behavior and measurement of formalin at the PdPs-CMs/GCE was evaluated by cyclic voltammetry and amperometry. The modified electrode demonstrated good electrocatalytic performance





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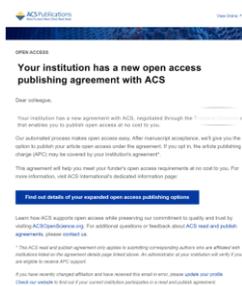


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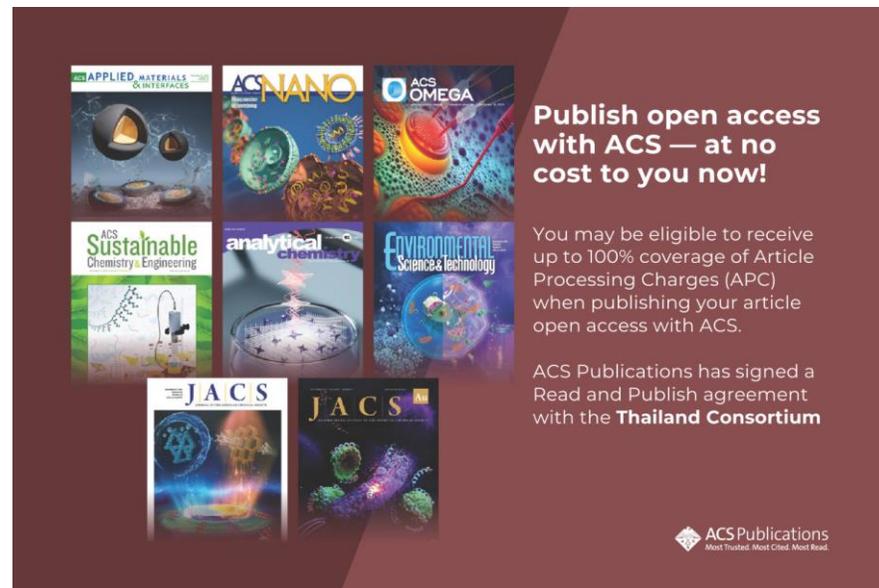
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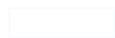
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Demo video to show authors how to navigate the Journal Publishing Agreement wizard and p...

A screenshot of a web-based wizard interface for the Journal Publishing Agreement. The interface includes the ACS Publications logo, a progress bar, and a list of radio button options for selecting government employment status. A large play button is overlaid on the center of the screenshot. At the bottom, there is a text box with the prompt "or any of your co-authors were employees".

Journal Publishing Agreement and Open Access

Useful Resource Links

[ACS Open Science Website](#)



[ACS AuthorChoice: License and Pricing Options](#)

[ACS Publications Journal Finder](#)

[Understanding Copyright and the Journal Publishing Agreement](#)

[FAQs about the ACS Journal Publishing Agreement](#)

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