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FAO: [redacted]
Regional Sales Manager,
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23 March 2021

Private and Confidential

RE: the AMERICAN CHEMICAL SOCIETY and MAYNOOTH UNIVERSITY LICENSE AGREEMENT for ACS Online Products and Services

To whom it may concern

We refer to the Licence Agreement dated 27th day of March 2020 between American Chemical Society and National University of Ireland Maynooth who acts as non-exclusive agent for and on behalf of Members of the Consortium (the “**Agreement**”). This letter is supplemental to the Agreement and capitalised terms used in this letter shall have the same meaning as set out in the Agreement, unless otherwise stated.

The purpose of this letter is to record the fact that with effect from 1 January 2021, the Agreement shall be extended for a further period of five years, from 1 January 2021 to 31 December 2025 (the “**Renewal Period**”) and the Agreement shall be amended to the extent necessary to give effect to the terms of the Schedule.

The terms of the Agreement shall continue in full force and effect, save as otherwise amended by this letter. This letter shall be governed by and construed in accordance with the laws of Ireland.

To indicate your agreement to the above, please arrange for this letter to be signed by an authorised signatory on behalf of American Chemical Society and return a duly executed copy to us, at the address above.

Yours sincerely,

Name: _____
_____ [redacted] _____

Signature _____

Maynooth University
Acting for and on behalf of the Members

Date: _____

Signed by
Name: _____

Signature _____

Acting for and on behalf of
American Chemical Society

Date: _____

Schedules

Amended terms¹

SCHEDULE 1: Subscription Period and Fee

Subscription period: 1 January 2021 to 31 December 2025

The fees payable for each member under the Agreement comprise:

R&P

		2021	2022	2023	2024	2025
Commitment		\$ 416,250.00	\$ 416,250.00	\$ 416,250.00	\$ 416,250.00	\$ 416,250.00
Tokens awarded		111	111	111	111	111
PAR		\$ 3,750.00	\$ 3,750.00	\$ 3,750.00	\$ 3,750.00	\$ 3,750.00
Output Expectations	111					
Projected growth rate annually (variable)	3%	114	118	121	125	129
Projected IReL Responsibility cap*	120	3	7	9	9	9
Projected ACS Responsibility cap**	129			1	5	9

¹ Amend as appropriate to reflect the new terms of the Agreement. This schedule just includes those terms that are commonly changed.

Legacy Archives:

LEGACY ARCHIVE				
2021	2022	2023	2024	2025
\$ 28,479	\$ 31,327	\$ 34,460	\$ 37,906	\$ 41,696

SCHEDULE 2: Licensed Material

The ACS Products under the Agreement shall comprise the following:

Current as of August 10, 2020. Subject to ongoing change. Any new publications added to the ACS All Publications Package during the Term will be included in the Licensed Material with no extra fee.

Coden	Publication	First Year of Publication*	URL	Issues Per Year Online	Print ISSN	Web ISSN
achre4	Accounts of Chemical Research	1968	pubs.acs.org/journal/achre4	12	0001-4842	1520-4898
amrcda	Accounts of Materials Research (New in 2021) ¹	2020	pubs.acs.org/journal/amrcda	12	Web Only	2643-6728
aastgj	ACS Agricultural Science & Technology (New in 2021) ¹	2021	pubs.acs.org/acsagscitech	12	Web Only	2692-1952
aabmcb	ACS Applied Bio Materials	2018	pubs.acs.org/journal/aabmcb	12	Web Only	2576-6422
aaembp	ACS Applied Electronic Materials	2019	pubs.acs.org/journal/aaembp	12	Web Only	2637-6113
aaemcq	ACS Applied Energy Materials	2018	pubs.acs.org/journal/aaemcq	12	Web Only	2574-0962
aamick	ACS Applied Materials & Interfaces	2009	pubs.acs.org/journal/aamick	51	1944-8244	1944-8252
aanmf6	ACS Applied Nano Materials	2018	pubs.acs.org/journal/aanmf6	12	Web Only	2574-0970
aapmcd	ACS Applied Polymer Materials	2019	pubs.acs.org/journal/aapmcd	12	Web Only	2637-6105
abseba	ACS Biomaterials Science & Engineering	2015	pubs.acs.org/journal/abseba	12	Web Only	2373-9878
accacs	ACS Catalysis	2011	pubs.acs.org/journal/accacs	24	Web Only	2155-5435
acscli	ACS Central Science	2015	pubs.acs.org/journal/acscli	12	Web Only	2374-7951
abcct	ACS Chemical Biology	2006	pubs.acs.org/journal/abcct	12	1554-8929	1554-8937
achsc5	ACS Chemical Health & Safety (New in 2020)	1994	pubs.acs.org/journal/achsc5	6	1871-5532	1878-0504
acncdm	ACS Chemical Neuroscience	2010	pubs.acs.org/journal/acncdm	24	Web Only	1948-7193
acsccc	ACS Combinatorial Science ⁴	1999	pubs.acs.org/journal/acsccc	12	2156-8952	2156-8944
aesccq	ACS Earth and Space Chemistry	2017	pubs.acs.org/journal/aesccq	12	Web Only	2472-3452
aelccp	ACS Energy Letters	2016	pubs.acs.org/journal/aelccp	12	Web Only	2380-8195
aeecco	ACS ES&T Engineering (New in 2021) ¹	2021	pubs.acs.org/journal/aeecco	12	Web Only	2690-0645
aewcaa	ACS ES&T Water (New in 2021) ¹	2021	pubs.acs.org/journal/aewcaa	12	Web Only	2690-0637
afsthl	ACS Food Science & Technology (New in 2021) ¹	2021	pubs.acs.org/acsfoodscitech	12	Web Only	2692-1944
aidcbc	ACS Infectious Diseases	2015	pubs.acs.org/journal/aidcbc	12	Web Only	2373-8227
amlccd	ACS Macro Letters	2012	pubs.acs.org/journal/amlccd	12	Web Only	2161-1653
amlcef	ACS Materials Letters (New in 2020)	2019	pubs.acs.org/journal/amlcef	12	Web Only	2639-4979
amclct	ACS Medicinal Chemistry Letters	2010	pubs.acs.org/journal/amclct	12	Web Only	1948-5875
ancac3	ACS Nano	2007	pubs.acs.org/journal/ancac3	12	1936-0851	1936-086X

acsodf	ACS Omega	2016	pubs.acs.org/journal/acsodf	52	Web Only	2470-1343
aptsfn	ACS Pharmacology & Translational Science	2018	pubs.acs.org/journal/aptsfn	12	Web Only	2575-9108
apchd5	ACS Photonics	2014	pubs.acs.org/journal/apchd5	12	Web Only	2330-4022
ascefcj	ACS Sensors	2016	pubs.acs.org/journal/ascefcj	12	Web Only	2379-3694
ascecg	ACS Sustainable Chemistry & Engineering	2013	pubs.acs.org/journal/ascecg	52	Web Only	2168-0485
asbcd6	ACS Synthetic Biology	2012	pubs.acs.org/journal/asbcd6	12	Web Only	2161-5063
ancham	Analytical Chemistry	1929	pubs.acs.org/journal/ancham	24	0003-2700	1520-6882
bichaw	Biochemistry	1962	pubs.acs.org/journal/bichaw	51	0006-2960	1520-4995
bcches	Bioconjugate Chemistry	1990	pubs.acs.org/journal/bcches	12	1043-1802	1520-4812
bomaf6	Biomacromolecules	2000	pubs.acs.org/journal/bomaf6	12	1525-7797	1526-4602
cgeabj	C&EN Global Enterprise ²	1924	pubs.acs.org/journal/cgeabj	45-52	Web Only	2474-7408
crtoec	Chemical Research in Toxicology	1988	pubs.acs.org/journal/crtoec	12	0893-228X	1520-5010
chreay	Chemical Reviews	1925	pubs.acs.org/journal/chreay	24	0009-2665	1520-6890
cmatex	Chemistry of Materials	1989	pubs.acs.org/journal/cmatex	24	0897-4756	1520-5002
cgdefu	Crystal Growth & Design	2001	pubs.acs.org/journal/cgdefu	12	1528-7483	1528-7505
enfuem	Energy & Fuels	1987	pubs.acs.org/journal/enfuem	12	0887-0624	1520-5029
esthag	Environmental Science & Technology	1967	pubs.acs.org/journal/esthag	24	0013-936X	1520-5851
estlcl	Environmental Science & Technology Letters	2014	pubs.acs.org/journal/estlcl	12	Web Only	2328-8930
iecred	Industrial & Engineering Chemistry Research	1909	pubs.acs.org/journal/iecred	51	0888-5885	1520-5045
inocaj	Inorganic Chemistry	1962	pubs.acs.org/journal/inocaj	24	0020-1669	1520-510X
jaaucr	JACS Au (New in 2021)¹	2021	pubs.acs.org/journal/jaaucr	12	Web Only	2691-3704
jafcau	Journal of Agricultural and Food Chemistry	1953	pubs.acs.org/journal/jafcau	51	0021-8561	1520-5118
jceaax	Journal of Chemical & Engineering Data	1956	pubs.acs.org/journal/jceaax	12	0021-9568	1520-5134
jceda8	Journal of Chemical Education	1924	pubs.acs.org/journal/jceda8	12	0021-9584	1938-1328
jcisd8	Journal of Chemical Information and Modeling	1961	pubs.acs.org/journal/jcisd8	12	1549-9596	1549-960X
jctcce	Journal of Chemical Theory and Computation	2005	pubs.acs.org/journal/jctcce	12	1549-9618	1549-9626
jmcmar	Journal of Medicinal Chemistry	1959	pubs.acs.org/journal/jmcmar	24	0022-2623	1520-4804
jnprdf	Journal of Natural Products	1979	pubs.acs.org/journal/jnprdf	12	0163-3864	1520-6025
jprobs	Journal of Proteome Research	2002	pubs.acs.org/journal/jprobs	12	1535-3893	1535-3907
jacsat	Journal of the American Chemical Society	1879	pubs.acs.org/journal/jacsat	51	0002-7863	1520-5126
jamsef	Journal of the American Society for Mass Spectrometry (New in 2020)	1990	pubs.acs.org/journal/jamsef	12	1044-0305	1879-1123
langd5	Langmuir	1985	pubs.acs.org/journal/langd5	51	0743-7463	1520-5827
mamobx	Macromolecules	1968	pubs.acs.org/journal/mamobx	24	0024-9297	1520-5835
mpohbp	Molecular Pharmaceutics	2004	pubs.acs.org/journal/mpohbp	12	1543-8384	1543-8392
nalefd	Nano Letters	2001	pubs.acs.org/journal/nalefd	12	1530-6984	1530-6992
orlef7	Organic Letters	1999	pubs.acs.org/journal/orlef7	24	1523-7060	1523-7052
oprdfk	Organic Process Research & Development	1997	pubs.acs.org/journal/oprdfk	12	1083-6160	1520-586X
orgnd7	Organometallics	1982	pubs.acs.org/journal/orgnd7	24	0276-7333	1520-6041
joceah	The Journal of Organic Chemistry	1936	pubs.acs.org/journal/joceah	24	0022-3263	1520-6904
jpcafh	The Journal of Physical Chemistry A ³	1896	pubs.acs.org/journal/jpcafh	51	1089-5639	1520-5215

jpbfk	The Journal of Physical Chemistry B ³	1896	pubs.acs.org/journal/jpbfk	51	1520-6106	1520-5207
jpccck	The Journal of Physical Chemistry C ³	1896	pubs.acs.org/journal/jpccck	51	1932-7447	1932-7455
jpclcd	The Journal of Physical Chemistry Letters	2010	pubs.acs.org/journal/jpclcd	24	Web Only	1948-7185

¹This journal will be formally added to the ACS All Publications Package for 2021. Publication may have started prior to Jan 2021.

²This is not a journal. It is the online edition of C&EN news magazine that is made available to organizational subscribers. It is included in this list because subscribers to the ACS All Publications Package are granted access.

³Starting in 1997, the Journal of Physical Chemistry split into two sections, A and B. In 2007 a third, C, was introduced. Editorially, these are treated as three separate journals. Transactionally, all three sections (A, B, and C) are treated as a single journal subscription.

⁴This journal will cease publishing new articles in 2021. Previously published content will continue to be available.

Legacy Archives Title List

*These titles are not eligible for post-cancellation access.

First year of publication	Publication
1879	<i>Journal of the American Chemical Society</i>
1896	<i>The Journal of Physical Chemistry</i>
1909	<i>Industrial & Engineering Chemistry Research</i>
1924	<i>Chemical Reviews</i>
1929	<i>Analytical Chemistry</i>
1936	<i>The Journal of Organic Chemistry</i>
1953	<i>Journal of Agricultural and Food Chemistry</i>
1956	<i>Journal of Chemical & Engineering Data</i>
1959	<i>Journal of Medicinal Chemistry</i>
1961	<i>Journal of Chemical Information and Modeling</i>
1962	<i>Biochemistry</i>
1962	<i>Inorganic Chemistry</i>
1967	<i>Environmental Science & Technology</i>
1968	<i>Accounts of Chemical Research</i>
1968	<i>Macromolecules</i>
1979	<i>Journal of Natural Products</i>
1982	<i>Organometallics</i>
1985	<i>Langmuir</i>
1987	<i>Energy & Fuels</i>
1988	<i>Chemical Research in Toxicology</i>
1989	<i>Chemistry of Materials</i>
1990	<i>Bioconjugate Chemistry</i>

SCHEDULE 5: OFFSET BENEFIT PROGRAM TERMS AND CONDITIONS

a. Offset Benefit Program: The Consortium has chosen participation in a certain ACS *Offset Benefit Program* (“*OBP*”) specifically designed for Members to facilitate the immediate open availability of Members’ peer-reviewed articles published in any ACS journal on the Web. Publication through *OBP* will provide for the author to retain copyright of the published article. Availability and use by others of such article shall be governed by the terms and conditions of the current version of the Creative Commons CC-BY Attribution International License (“CC-BY”). For the avoidance of doubt, publication through the *OBP* is possible for all ACS journals, as applicable. Additionally, for the avoidance of doubt, an *OBP* Token (defined below) will cover all publication costs for the initial online publication of the applicable article. Notwithstanding anything to the contrary, should the author desire a supplementary journal cover for the article, the Token will not cover the additional fee of the supplementary journal cover. The Consortium hereby acknowledges and agrees that the *OBP* is based upon and directly tied to the continued subscription by the Consortium to ACS Web Editions journals (“Agreement”). Discontinuation of the aforesaid subscription or termination of the Agreement, for whatever reason, shall also terminate the *OBP* arrangement between ACS and the Consortium. Capitalized terms not defined herein shall mean the same as in the Agreement.

ACS reserves the right to modify or terminate the *OBP* in case of materially significant changes in the relevant Creative Commons licenses.

b. Qualifying Authors: Corresponding authors of Members qualify to have their articles published under the *OBP*, for the respective journal article, if all of the following conditions are met **at the time of submission** of the manuscript:

- 1) corresponding author must be identified as the individual who is to communicate with ACS through the peer review process,
- 2) corresponding author must be a current staff or student with a Member institution,
- 3) corresponding author must indicate affiliation to a Member by identifying the Member via a provided dropdown menu during the online manuscript submission process, and

It is highly recommended for ease of identification and administrative matters that corresponding authors utilize during the manuscript submission process a current email address extension that is directly associated to their respective Member institution.

Corresponding authors meeting all of the aforementioned criteria are hereinafter referred to as “**Qualifying Authors**”. For clarity, the term corresponding author as used herein means the author handling the manuscript and correspondence during the publication process, who has the authority to act on behalf of all co-authors regarding publication of the manuscript.

Additionally,

- i) if a corresponding author becomes a current staff or student of a Member at some point in time between submission of a manuscript and acceptance of that manuscript, then, upon validation by a Member, ACS agrees that such corresponding author shall be a Qualifying Author, and that ACS shall permit *OBP* publication for that accepted manuscript.
- ii) if a corresponding author ceases being a current staff or student of a Member at some point in time between submission of a manuscript and acceptance of that manuscript, then, upon rejection by a Member, ACS agrees that such corresponding author shall cease to be a Qualifying Author, and that ACS shall not permit *OBP* publication for that accepted manuscript.

c. Tokens: For *OBP*, ACS shall grant the Consortium 111 ACS Reward tokens (“Tokens”) each year for the years 2021 to 2025, respectively. The Consortium acknowledges and agrees that Tokens have no redeemable monetary value. For clarity, in the event of *OBP* termination, unused Tokens will not be refunded as a sales credit or otherwise. The annual Tokens shall remain active for the year they are allotted or until consumed, whichever comes first. Tokens cannot be used for articles accepted before 1.1.2021.

For each article published under *OBP*, one (1) Token will be considered used. Tokens can be used for all peer-reviewed articles accepted for publication in any ACS electronic journal, but cannot be used for eBooks. If all allotted Tokens in a given year are used before the end of that year, then Consortium agrees to purchase an additional nine (9) Tokens, which Tokens shall remain active for a period of three (3) years from the date of purchase, notwithstanding anything to the contrary. Additional Tokens will cost \$4,000 each and this rate will remain flat for the term on this agreement. If additional Tokens are then still needed, ACS agrees to provide up to nine (9) additional Tokens free of charge. Once the total number of additional Tokens has been used, ACS policy will revert to direct payment of a fee by the Qualifying Author, should the author desire to publish under open access conditions. For clarity, parties acknowledge that a Qualifying Author also has the option to direct the ACS to publish the article via the ACS's subscription model and to not select the open access options. For the avoidance of doubt, as long as any Tokens are available, a Qualifying Author will be offered automatically by default the option for publication through *OBP*, at the time of acceptance of the manuscript for publication.

d. Workflow: The Consortium understands that the process flow for *OBP* is systematized through the Copyright Clearance Center's (CCC) *ACS AuthorChoice* institutional workflow. Accordingly,

- 1) Consortium and Members will have a single *ACS AuthorChoice* Token account with the CCC.
- 2) A Qualifying Author—whose status as a Qualifying Author has been identified at the time of manuscript submission—will be offered the *OBP* option upon acceptance of the manuscript for publication. If the Qualifying Author selects such option, then the author will be directed to the CCC for requesting their article be processed as part of the *OBP*.
- 3) Simultaneously, an email providing notice will be sent to the Consortium designated administrator who will liaise with the relevant Member to ask them to approve or reject *OBP* publication of the article.
- 4) Once approved, a Token will be debited from the Consortium's annual balance. Tokens are used on a first ordered, first approved basis.
- 5) The CCC shall notify Qualifying Authors of the *OBP* publication status of their article(s)
- 6) The CC-BY license will control third-party access to and use of the final published article.

e. Definitive Articles of Record: All ACS articles published under *OBP* as maintained on the ACS website represent the definitive articles of record. Articles (unless identical copies of the most current definitive articles of record) posted to or displayed by institutional repositories or non-ACS websites are without warranty from ACS of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. In no event shall ACS be liable for any loss or damage arising out of or in connection with the use or performance of information contained in articles posted or displayed on institutional repositories or non-ACS websites.

f. Reports: Token balance and reports tracking articles published under the *OBP* will be available through self-service reporting tools provided in the Consortium's designated administrator's view in the CCC *ACS AuthorChoice* program webpages. Information supplied will include Qualifying Author, Member institution, ORCID ID (if supplied by the author), article title, DOI, journal, and Token date, and funder information as applicable. ACS will provide reports of all IREl member ACS publications (OA and subscription) on written request.

g. General: ACS is not liable for any article not made open by ACS for an author who does not identify to ACS, during the manuscript submission process, a Member institution, or otherwise does not meet at the time of submission the aforementioned criteria of a Qualifying Author[s]. Notwithstanding, if a legitimately Qualifying Author fails to be identified, ACS shall cooperate to retrospectively convert the article to *OBP* publication status, at the request of author or Consortium, with verification that the author is in fact a Qualifying Author. Also, ACS will work with Consortium to move an article into the *OBP* publication status, if a Qualifying Author decides to change an original choice of non-participation in the *OBP*.

h. Annual Review: For the first year of the Term, the parties shall evaluate the progress of Agreement on a quarterly basis in scheduled meetings. For successive years of the Term the parties will jointly discuss in advance the appropriate frequency of the Evaluation Meetings.