

## **My First Scientific Article**

#### Tips on writing an article for early career researchers

#### Alena Dvořáková, Barbora Vobrubová



The project National Centre for Information Support of Research, Development and Innovation with the identification code MS2101 is implemented with the support of the Ministry of Education, Youth and Sports.





National Centre for Information Support of Research, Development, and Innovation

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19 March 2025



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## Learning goals

- Understand the role and importance of scientific communication in academia
- Introduce the publishing and peer review process and its significance in maintaining academic standards
- Understand my place in the publication process where I am in the process, what is the expected/required timeline, what needs to be done

#### Alena Dvořáková

- Ing. Biochemistry, UCT Prague
- Ph.D. English Literature, Charles University
- Experience in academic teaching and publishing in Czech and English
- NTK Information Specialist

#### Barbora Vobrubová

- Ph.D. in Zoology, Faculty of Science, Charles University
- Experience in scientific publishing
- NTK Information Specialist

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## What's your academic affiliation?



A. Czech Technical University in Prague (CVUT)

B. University of Chemistry and Technology, Prague (VSCHT)

C. Czech University of Life Sciences Prague (CZU)

D. Charles University (UK)

E. Other

### What is your research field?

A. Natural, medical, and health sciences

B. Engineering and technology

C. Social sciences, business or law

D. Arts and humanities

E. Other



# Have you ever published a scientific article?

A. Yes, as the corresponding (lead) author

B. Yes, as a co-author

C. Currently working on it

D. Not at all







## **Part I: Publication process**

#### Learning goals

- Get familiar with the publication process for a scientific article
- Learn how to choose a journal
- Learn how to navigate the peer review process



 $\rightarrow$  = direct route to publication  $\rightarrow$  = possible detour/endways

reviewed journal. Pacific Conservation Biology, 20(1), 17-24. DOI: 10.1071/PC140017 8

## **Before you submit:**

- 1. Decide on the type of manuscript I am writing
- 2. Figure out the requirements for your study/work
- 3. Choose a journal
- 4. Write the manuscript see part II of this webinar ③
- 5. Format the manuscript, add a cover letter, and so on

+ Getting an ORCID iD, ResearchGate profile, and so on



### **Requirements for your PhD or career**



- Type of manuscript; language (do you need to publish in English?)
- Indexing WoS, Scopus

Impact factor, quartile,

**Open Access** 

Developmental and Cell Biology Study Programme, Faculty of Science, Charles University

#### Publication prerequisites:

The applicant must be an author/ co-author of at least two papers accepted in peerreviewed journals indexed in the Web of Science (preferably with IF above the research field median) and should be a first author on at least one publication (shared first authorship should be communicated *ex ante* with the Board). In exceptional and warranted cases, the Board may decide otherwise; an example of such situation may be one excellent first author publication.

Faculty of Finance and Accounting, Prague University of Economics and Business

Primary obligations are set by the <u>Decree of the Dean</u> 1/2014 and the ISP:

- 1. Students are obliged to regularly publish in professional periodicals in which contributions are subject to a review procedure (hereinafter referred to as "professional peer-reviewedpapers"). The minimum number of professional peer-reviewedpapers for students is as follows:
- 2. a) onepaperby the date of submission of the application for the state doctoral exam,
- 3. b) in total twopapersfrom the beginning of the doctoral study to the date of submission of the application for the defence of the dissertation. The student must publish at least one paper in a journal registered with the Web of Science or Scopus database.

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## **Choosing a journal**



- Where do your supervisor or your peers publish?
- Which journals are you reading or citing in your work?
- Check databases such as Web of Science, Journal Citation Reports, Scopus
- Sample recommender services from individual publishers:
  - Elsevier Journal Finder
  - WoS Manuscript Matcher
  - Taylor & Francis Journal Suggester

earch the world's leading source of (	academic journals using your abstract (	or your keyv	words and other detai
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## **Choosing a journal**



• Publication timeline

ACS ACS Publications C&EN CAS				Find my institution	Log In
ACS Publications Most Trusted. Most Cited. Most Read.	Search text, DOI, authors, etc.	Q	📔 My Activi	ty 🗾 Publications	≡

#### Peer Review Metrics\*

All measurements are in Median Days

#### Search Table

Journal Title	Year Launched	Submission to First Editorial Decision	Submission to First Decision with Peer Review	Submission to Accept	Accept to ASAP Publication
Accounts of Chemical Research	1968	0.4	38.1	68.3	16
Accounts of Materials Research	2020	N/A	33.7	80.9	15.3
ACS Agricultural Science & Technology	2021	6.4	45.4	80.6	14.2
ACS Applied Bio Materials	2018	5.1	33.4	63.4	13.6

## **Note on timelines**

- Each article is different: nobody can tell you in advance how long the publication process will take
- Check the instructions for authors, FAQs, and articles already published

#### ARTICLE

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Open Access Journal O

Národní technická knihovna National Library of Technology

#### Beyond Digital Literacy: Exploring Factors Affecting Digital Performance of University Staff

Carmen Koch<sup>®</sup> and Fiona Fehlmann<sup>®</sup>

IAM Institute of Applied Media Studies, Zurich University of Applied Sciences (ZHAW), Switzerland

Correspondence: Carmen Koch (carmen.koch@zhaw.ch)

Submitted: 8 July 2024 Accepted: 13 September 2024 Published: 23 January 2024

Source: Media and Communication (ISSN: 2183-2439)

#### Tips and tricks

- Follow instructions correcting mistakes takes time
- Meet deadlines (or submit revisions early, if you can ☺)
- Check your spam folders from time to time automatic emails from online submission systems are often marked as spam

## **Choosing a journal**

- Does the journal require an article processing charge (APC)? Do you have funding?
- Open Access
  - Green author puts the published article or pre-print in an openly accessible repository (institutional repository, arXiv – check the publisher's rules)
  - Gold authors pay an APC, then an article is made freely available by the publisher (optional in some journals = hybrid journals)
  - Diamond article is made freely available, authors do not have to pay APC (usually funded by external sources)
- Open Access Publishing course from Open Plato

## **Choosing a journal**



#### • Tokens

- An option for funding OA articles
- See whether there are available tokens for your institution and selected journal on the <u>Czech eLib website</u>
- For information about eligibility, contact your institution's OA administrator
- Selected contacts:
  - CTU: david.skorusa@cvut.cz
  - UCT Prague: openaccess@vscht.cz
  - CZU: openaccess@lib.czu.cz
  - CUNI: openaccess@cuni.cz

## Choosing a journal – note on predatory journals

- Predatory journal = journal focused more on financial gain than on quality scientific communication
- Do not trust emails promising fast publication (within the matter of days)
- Check the quality of published content
- Find resources online (you can check out the NTK guide):

#### • Think

Are you submitting your research to a trusted journal or publisher? Is it the right journal or book for your work?

#### Check

Use our check list to assess the journal or publisher.

#### Submit

Only if you can answer 'yes' to the questions on our check list.

## **Example of predatory journal emails**

#### Journal of Veterinary Physiology and Pathology

ISSN: 2821-0328

DOI Prefix: 10.58803

Publish in less than one month

Dear Respected Colleague,

Hope this mail finds you well.

Journal of Veterinary Physiology and Pathology (JVPP) is a peer-reviewed journal dedicated to publishing and disseminating high-quality scientific research work in all fields of veterinary.

The scope of the journal contains animal reproduction and production, parasitology, endocrinology, microbiology, immunology, pathology, physiology, physiology, epidemiology, molecular biology, immunogenetics, surgery, virology, physiology, vaccination, gynecology, exotic animals, animal diseases, radiology, ophthalmology, dermatology, oncology, chronic disease, non-surgical pathology issues of small to large animals, cardiology and oncology, anatomy, hematology, and zoonoses diseases.

Knowing that your research interest falls under the scope of our Journal, we would like to welcome you as a prospective researcher to submit any of your recent work for publication in the upcoming issue release.

#### Reasons to publish with JVPP:

- Easy submission
- Fast peer-review process (within 7 days)
- Free and open-access publication
- · Expert review from JVPP's team of editors, who strive to give authors fair decisions and advice
- Assign DOL number
- Indexing and Archiving in EBSCO, GoogleScholar, Crossref, AGRIS, WorldCat, Dimensions, OpenAIRE, Portico and PKP (LOCKSS), J-Gate, and Copernicus
- Increased visibility of the research work by uploading the published article on 6 web pages related to the journal.
- Providing timely updates of article status.

For further information about JVPP, please visit the following

link: https://jvpp.rovedar.com/index.php/JVPP/About-Journal

We admire you for joining our editorial team via the following

link: https://jvpp.rovedar.com/index.php/JVPP/EditorialBoard

We would appreciate it if you could share this information with your colleagues and associates.

Submit Now

#### Join JVPP Team

We are always striving to add diversity to our editorial board and operations staff. Please send us a copy of your resume (CV), your ORCID and briefly discuss any leadership positions and other experiences you have had that are relevant to applied animal and feed researches or publications. If you would like to represent the JVPP at your university, join our volunteer staff today! You can also, register as a member of JVPP for subsequent contacts by email and or invitation for an honorary reviewing articles.

With kind regards Prof. Kai Huang Editor-in-chief Journal of Veterinary Physiology and Pathology 50°6'14.083"N, 14°23'26.365"E Národní technická knihovna National Library of Technology

Target: researcher with a background in animal behavior, zoology, and (marginally) in psychology

Dear Dr. Vobrubova Barbora,

#### I hope this note finds you well.

I am writing to invite you to present your latest research at the **4th International Conference on Pediatrics and Neonatal Care** (In-person & Online) in **Paris, France**, on **July 23-24**, **2025**. Your research is impressive, and we have reviewed your work titled "On the ground and in the heights: Does exploratory activity differ in commensal and non-commensal spiny mice?" which we believe would greatly interest our audience.

You will have 25 minutes for your invited talk, including a 5-minute Q&A session. Please submit your abstract to confirm your participation. You will be awarded CPD points and your abstract will be published with ISBN & DOI in the conference proceedings.

For additional information, please visit: https://unitedresearchforum.com/pediatrics-conference-2025/

Looking forward to your positive reply!

Best regards, Ryan Cooper

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Impact Factor: 2.7 / 5-Year Impact Factor: 3.3 Journal Homepage

## **Preparing for submission**

Formatting

- Ethical notes, data availability, statements of AI use
- Cover letter
- Reviewer suggestions
- Highlights, graphical abstract
  - Requirements for some journals, help with gaining visibility for the article

Formal shortcomings can be corrected – but it can cost you time





**CONCLUSION:** Sleep disturbance is common and has a profound impact on health and QoL of hemodialysis patients. The conflicting message between patient interview and self-reported questionnaires indicate a need for multidisciplinary approaches and mproved patient communication to truly capture the health needs of individuals.

Reference: Chu G, Price E, Paech G, Choi P and McDonald V. Sleep apnea in maintenance hemodialysis: a mixed methods study. *Kidney Medicine*, 2020 Visual Abstract by Anna R Gaddy, MD @AnnaGaddy

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## **Step 1: Editorial assessment**

Peer review



#### Rejection (desk rejection)

- Not within the scope of the journal
- Lacking novelty, contribution or potential impact
- Scientific flaws e.g., wrong methods, conclusions that cannot be drawn from the presented results
- Poor quality of writing an unclear message, numerous grammatical errors
- Ignoring the formal requirements length, formatting, and so on
- Plagiarism (and self-plagiarism)

Journal of International Business Studies – roughly 65% of papers rejected by editor

Some political science journals – up to 76% of papers rejected by editor, average desk-rejection rate is about 40%

Beugelsdijk, S., & Bird, A. (2024). How to avoid a desk reject: Do's and don'ts. Journal of International Business Studies. DOI: 10.1057/s41267-024-00712-8

Garand, J. C., & Harman, M. (2021). Journal Desk-Rejection Practices in Political Science: Bringing Data to Bear on What Journals Do. PS: Political Science & Politics, 54(4), 676–681. https://doi.org/10.1017/S1049096521000573



## **Step 2: Peer review**



- At least 2 peer reviewers
- Recommendations:
  - Accept without change
  - Minor revision some non-essential issues need fixing
  - Major revision the manuscript should not be published until these issues are fixed
  - Reject the manuscript should not be published at all
- Editor makes a decision based on the reviews (or asks another reviewer for a third



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## **Step 3: Revisions**

- Be polite, grateful, and professional, even when you think a reviewer is wrong
  - Criticism can be painful but it is not the end of the world (nor your career)
- Never assume a reviewer is "stupid" or a non-expert
  - Consider language barriers or cultural differences, reviewer can have a slightly different specialization with different views, and so on
- Respond to ALL queries and ALL author instructions
  - If you did not comply with the reviewer's request, you need to explain why
  - Copy the comment to the response letter + add your response

Cushman, M. How I respond to peer reviewer comments. *Res Pract Thromb Haemost*. 2023 Mar 15;7(2):100120. doi: 10.1016/j.rpth.2023.100120. PMID: 37063759; PMCID: PMC10099302.

## **Step 3: Revisions**

- Provide thorough responses do not leave any stone unturned
  - If you are too brief in your responses, the reviewers might ask for further clarification which means another rounds of reviews
  - "We corrected the mistake" is an acceptable response when the reviewer points out typos, not when they ask for clarification of missing methodology

Line 61-62: One physiological correlate wouldn't validate this view in my opinion, thus rather say 'strengthen' Accepted

Cushman, M. How I respond to peer reviewer comments. *Res Pract Thromb Haemost*. 2023 Mar 15;7(2):100120. doi: 10.1016/j.rpth.2023.100120. PMID: 37063759; PMCID: PMC10099302.

## **Step 3: Revisions**

- Make it easy for the reviewer and editor to understand your response
  - Use line numbers, page numbers, tracking/highlighting changes, copy (small) parts of the revised text into the response letter
  - Do not be too verbose nobody wants to read 50 pages of responses

On which grounds the subspecies affiliation in the M. m. domesticus from Syria was made? Accepted. See line 161: The affiliation of captured individuals to M. m. musculus population was genetically assessed using SINE B2 elements for determining the subspecies type.

- 160 outbred captive generation of the wild-caught individuals. The affiliation of captured
- 161 individuals to M. m. musculus population was genetically assessed using SINE B2 elements
- 162 for determinig the subspecies type by (Kubešová, 2008).
- If you do not understand a review comment, it is okay to admit it
  - But it is a good idea to show that you tried

Cushman, M. How I respond to peer reviewer comments. *Res Pract Thromb Haemost.* 2023 Mar 15;7(2):100120. doi: 10.1016/j.rpth.2023.100120. PMID: 37063759; PMCID: PMC10099302.

## **Step 4: Rinse and repeat**



- Editor might ask for a second round of reviews
  - Reviewers who have asked for major revisions usually want a second look at the revised manuscript
- Editor makes a decision based on the authors' responses and/or the second reviews

Rejection Acceptance Another round of revisions

## **Step 5: Accepted article**

- Proofreading of the final preview of the article
  - Small changes formatting, missing details, e.g., in references
  - Usually with a short deadline (e.g., 48 hours)
- Are there any article processing charges?
  - Make sure the invoice is processed swiftly article cannot be published without payment
- If you are in a hurry (your thesis defense is drawing near), you can ask for an acceptance letter – a written confirmation that your manuscript will be published.
- Online first/Early access publication



### **Step 6: You survived – what now?**



- Make sure you have a copy safely stored or archived: see the NTK guide on <u>Research</u> <u>Data Management</u>; or the <u>Open Policy finder (formerly Sherpa services)</u>
- Put it on your CV/bibliography/Google Scholar profile
- Look out for reviews of it, responses to it, and similar

And start again... ...but it does get easier

## **Presence in the social sphere**



- Unique identifier (16 numbers)
- Serves as an online CV, tracks publications even if you change your name
- **Obligatory for some journals**
- ResearchGate
  - Social network for scientists
  - Pre-prints, finding other experts in your field, • promotion of your work
- Google Scholar profile

See also: https://guides.lib.berkeley.edu/publish/impac
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Barbora Vobrubová     Barbora Žampachová     ib https://orcid.org/0000-0002-6285-0495 ib definition     Personal information   Activities     Other IDs   >     ResearcherID: R-9320-2017   >     Scopus Author ID: 57193666602   >     On the ground and in the heights: Does exploratory activity differ in commensal	> Show re	ecord summary
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Scopus Author ID: 57193666602   V Works (6)     On the ground and in the heights: Does exploratory activity differ in commensal		<b></b> Sort
		<b>_</b> Sort
	and non-commensal	spiny mice?
Behavioural Processes       2020-11     Journal article       DOI: 10.1016/j.beproc.2020.104252       Part of ISSN: 0376-6357	Sh	ow more detail
Source: 😁 Barbora Vobrubová		
Venomous snakes elicit stronger fear than nonvenomous ones: Psychophysiolog	ical response to snake	e images
PLOS ONE 2020-08-19   Journal article DOI: <u>10.1371/journal.pone.0236999</u> Part of ISSN: <u>1932-6203</u>	<u>Sh</u>	ow more detail
Source: 🕙 Barbora Vobrubová		

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## **More tips**



- <u>https://www.science.org/content/article/tips-publishing-scientific-journals</u>
- <u>https://www.aje.com/arc/12-tips-accelerating-manuscript-publication/</u>

## Part II Writing to publish



#### Learning goals

How to tailor your writing

How to start and manage time

What to check before submitting

#### Nulla dies sine linea.



C. W. E. Dietrich: *Alexander the Great in the studio of Apelles* (1774). (National Museum in Krakow, CC0 1.0)

Alexander the Great (helmet): "That can't be right?" Apelles (turban): "But I saw it in *Nature*!"

## **Serious about writing?**



□Find a scientific/academic writing course at your institution, e.g.:

UCT:	Effective Scientific Writing (Craig Riddell)
CTU:	Scientific Writing in English (Prof. Milan Jirásek)
<u>CAW</u> :	Writing for Publication and other courses

Arrange a consultation at your own university library or writing center: e.g., Academic writing support @ FF UK (Arts Faculty, Charles University).

Get **discipline**-specific, **topic**-specific, or **document**-specific advice.



### What it all comes down to

#### 

#### 

#### 



## **Types of academic articles**



□ Original research papers/articles (also: primary research papers/articles)

• Most common; report the results of your experiments/present new arguments, ideas, readings

#### Review articles (also: literature reviews)

• Summaries of already published literature on a particular topic

#### Methodologies

• Research reports on methodological developments (new methods, modifications to current methods)

#### Case studies

• Common in medicine, describe details of a specific interesting case

#### □ Short communications

- Meant for quick publication of a novel idea, "marking research territory"
- Brief report on research findings

□ Editorials, letters to editors, book reviews, commentaries, and others

### Learn more: Article structure



#### **TYPES OF ARTICLES**

- <u>Different types of academic articles (Taylor and Francis Author Services)</u>
- How to distinguish between review and research articles (Concordia University, Montreal)
- Medical Subject Headings: Publication Types (National Library of Medicine, US)

CHOOSE A JOURNAL EARLY = check the journal webpage for <u>samples</u> or <u>templates</u>:

- APA annotated sample papers
- <u>Different types of academic articles: Taylor and Francis Author Services</u> = a detailed guide <u>with templates</u>

### Learn more: Type to template



#### Different types of academic articles (Taylor and Francis Author Services)

= a detailed guide with templates



#### What are the benefits of publishing a method article?

- Maximize the potential of your research by increasing the transparency, accessibility and reproducibility of your research by sharing innovations and new ways of approaching research questions.
- Gain credit for your methodological innovations with a citable publication.
- ✓ You can upload your method steps to protocols.io <sup>2</sup> to increase the findability of your research.

#### How do I write a method article?

Method articles are medium length (2500-4000 words) article types following the standard layout for research articles and should include:

- (1) The abstract, introduction, method, results, and conclusions and/or discussion, within the main body of the article
- (2) A data availability statement 🗹
- (3) Author contributions
- (4) Funding/grant information
- (5) Any supplementary materials and appendices

Authors submitting methodology articles have the option to share their method steps on protocols.io [2]. Please note, this is not required for submission but is encouraged.

#### Method article template

Here is a downloadable method article template to help you write and prepare your method article for submission: F1000Research method note template


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# Original research article

# IMRD IMRAD TAIMRAD

Tip:

Use a sample paper <u>from your research area</u> and reverse engineer it.





Title

ABSTRACT

problem statement

indication of methodology

For detailed instructions on individual sections see, e.g.:

IMRD Cheatsheet (Carnegie Mellon University) https://www.cmu.edu/studentsuccess/otherresources/handouts/commsupp-pdfs/imrd-examples.pdf

#### History:

Sollaci LB, Pereira MG. <u>The</u> <u>introduction, methods, results, and</u> <u>discussion (IMRAD) structure: a fifty-</u> <u>year survey.</u> *J Med Libr Assoc.* 2004 Jul;92(3):364-7. PMID: 15243643; PMCID: PMC442179.



**LEARN MORE:** WEST, Stuart A. and Lindsay A. TURNBULL. <u>Scientific papers made easy: how to write</u> <u>with clarity and impact in the life sciences</u>. Oxford: Oxford University Press, [2023]. ISBN 978-0-19-286278-5.

### **Step-by-step resources: Scientific writing**

Baldwin, Ian T., undated. <u>"The Baldwin Formula for Scientific Writing: Writing Papers and Reviews.</u>" Accessed 4. 10. 2024. Available from: <u>https://people.clas.ufl.edu/jlichstein/files/Baldwin\_Formula\_for\_writing\_a\_scientific\_paper\_and\_reviewing\_papers.pdf</u>

- Gopen, George D., and Judith A. Swan, 1990. <u>"The Science of Scientific Writing."</u> American Scientist 78 (6): 550–58. Available from: <u>https://www.usenix.org/sites/default/files/gopen\_and\_swan\_science\_of\_scientific\_writing.pdf</u>
- Iskander, John K., Sara Beth Wolicki, Rebecca T. Leeb, and Paul Z. Siegel, 2018. <u>"Successful Scientific Writing and Publishing: A Step-by-Step</u> <u>Approach.</u> *Preventing Chronic Disease* 15 (June): E79. Available from: <u>https://doi.org/10.5888/pcd15.180085</u>

O'Connor, Timothy R., and Gerald P. Holmquist, 2009. <u>"Algorithm for Writing a Scientific Manuscript."</u> Biochemistry and Molecular Biology Education 37 (6): 344–48. Available from: <u>https://doi.org/10.1002/bmb.20329</u>

- Singh, Vikash, and Philipp Mayer, 2014. <u>"Scientific Writing: Strategies and Tools for Students and Advisors.</u>" *Biochemistry and Molecular Biology Education* 42 (5): 405–13. Available from: <u>https://doi.org/10.1002/bmb.20815</u>
- Turbek, Sheela P., Taylor M. Chock, Kyle Donahue, Caroline A. Havrilla, Angela M. Oliverio, Stephanie K. Polutchko, Lauren G. Shoemaker, and Lara Vimercati, 2016. "Scientific Writing Made Easy: A Step-by-Step Guide to Undergraduate Writing in the Biological Sciences." The Bulletin of the Ecological Society of America 97 (4): 417–26. Available from: https://doi.org/10.1002/bes2.1258



#### O'Connor and Holmquist (2009): "Algorithm for Writing a Scientific Manuscript"

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View article p Timothy R. O' 99 CITE Copyright © 200 Molecular Biolo	Biochemistry and Molecular Biology Education Volume 37. Issue 6         Nov 2009         Pages 323-386		1. Figures/Tables         2. Summary Statements         3. Scientific Audience         4. Materials and Methods         5. Re-evaluate Data         6. Results         7. Discussion/Conclusions         8. References         9. Introduction         10. Title         11. Conclusion Paragraph	345 "take home" messages, the major points that readers should grasp when reading the paper. These statements are a proto-abstract that can evolve depending on the final versions of manuscript. With more experience in writing, formulation of these statements will occur even before making the figures or before design of the experiments. <i>Identify the Scientific Audience and Journals to Which the Manuscript Can Be Submitted</i> Once summary statements exist, identify an audience for the manuscript. With the audience identified, look for a journal that has published similar articles to identify a possible place to submit the manuscript. Read the instructions to authors to ensure that the manuscript would fit into the journal's scope. Identify three to five appropriate journals. List the journals along with the internet addresses for the author instructions to aid in making a final decision on the manuscript's destination. <i>Write the Materials and Methods Section to Supplement and Explain the Figure Legends</i> This section is generally the initial text in the manu- script. Include as many details as necessary to allow another researcher to duplicate the experiments that were used to generate the tables and figures. If another researcher has described the methods in detail, then ref- erence the publication, but at least outline how the	But la objec You s Mate writte	an T. Baldwin would ct: should have rials and Methods en up while rimenting
	n algorithm for the construction of a strong		the variables compared. For example, for a hypothetical figure, "Figure 10. Exogenous [GTP] and aggregation in wild type <i>Paramecium</i> . Cells were grown in various GTP concentrations and aggregation was quantified"	experiment was performed. Eliminate Data, Tables, and Figures That Do Not	2	40
E $\wp$ Sem	zadejte hledaný výraz.	H 💈 📀 🔳	😰 🐟 🙋 🗷 🐨 📝 🚍 @	^	聖 d≫ CES 15:52 15:05.02.2025  売	

### **Comprehensive guides to scientific writing**

- Carter, Matt. <u>Designing Science Presentations: A Visual Guide to Figures, Papers, Slides, Posters, and More,</u> Elsevier Science & Technology, 2013.
- Foster, David H. <u>A concise guide to communication in science and engineering</u>. Oxford: Oxford University Press, 2017.
- Gastel, Barbara and Robert A. Day. <u>How to write and publish a scientific paper</u>. Ninth edition. Cambridge: Cambridge University Press, 2024.
- Glasman-Deal, Hilary. <u>Science research writing: for native and non-native speakers of English</u>. Second edition. New Jersey: World Scientific, 2021.
- Lebrun, Jean-Luc. <u>Scientific Writing 2.0: A Reader And Writer's Guide</u>, World Scientific Publishing Company, 2011.
- Schimel, Joshua. <u>Writing Science: How to Write Papers That Get Cited and Proposals That Get Funded</u>. Oxford: Oxford University Press, 2012.
- Turabian, Kate L. et al. <u>A manual for writers of research papers, theses, and dissertations: Chicago style for</u> <u>students and researchers</u>. 9th edition. Chicago guides to writing, editing, and publishing. Chicago: The University of Chicago Press, 2018.
- Language resource: <u>Manchester Academic Phrasebank</u>

## How do I actually start?



- 1. Set up a template (name the file): what exactly are you writing?
- 2. Write up as you go = write up as you read & experiment Learn more from this <u>Harvard Guide to summarizing</u>, paraphrasing, and quoting
- 3. Use the **Pomodoro method** to schedule writing time



- 4. Always start with what's easiest: what have you got already?
  - Type of paper = structure, length, language
  - Story = what is it about & for whom? (layperson's terms x specialist terms)
  - **Provisional title** = keeps you on the straight and narrow (esp. humanities)

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### What do I have already?

### • Where am I?



Poster Conference paper Research article



New data Poster Conference paper Research article

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Literature review Research article(s) Monograph (book)

### Start with what? Write anew, or convert?



What's NEW about it? <u>One</u> idea.

a conference paper/poster

I have

# **Convert** into

research article (journal or conference proceedings)

"state of the art" chapter

research thesis/dissertation

literature review

research article (or two, three)

doctoral dissertation

monograph (humanities)

### How to convert what you have



### ❑ Further advice

- Extracting a journal article from your thesis (Taylor and Francis Author Services)
- APA Guidelines
- Peer-to-peer advice
- From Masters thesis to a journal article in vet medicine (University of Edinburgh)
- From MSc dissertation to academic paper (Centre for Evidence-Based Medicine, Oxford)

# **Converting (re-using): practical issues**

### **CANIRE-USE**

- A. an already published article/conference paper as part of my thesis/dissertation?
- B. my thesis/dissertation in a manuscript to be submitted for publication?

### YOU MUST COMPLY WITH

- Α.
- Your university/faculty rules
- Your copyright/licensing agreement with a publisher
- Β.
- The publisher's **author guidelines**. Re-using is often (usually) allowed if in doubt, check directly with the journal editor/book publisher.

**LEARN MORE**: see this **table on the practice of re-using** for a variety of English and American academic publishers.

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### **Use Generative AI ?**

### Authorship? = Check author guidelines <u>first</u>

#### AI Contributions to Research Content

- <u>AI use must be declared and clearly explained</u> in publications such as research papers, just as we expect scholars to do with other software, tools and methodologies.
- AI does not meet the Cambridge <u>requirements for authorship</u>, given the need for accountability. AI and LLM tools may not be listed as an author on any scholarly work published by Cambridge
- <u>Authors are accountable</u> for the accuracy, integrity and originality of their research papers, including for any use of AI.
- Any use of AI must not breach Cambridge's <u>plagiarism policy</u>. Scholarly works must be the author's own, and not present others' ideas, data, words or other material without adequate citation and transparent referencing.

Please note individual journals may have more specific requirements or guidelines for upholding this policy.

#### **Cambridge University Press AI policy**

## **Use of Gen AI: Stay in charge**



### Humanities

- ✓ Refine questions, keywords
- ✓Language corrections
- X Re-styling X Writing

Sciences

X Writing

- ✓ Refine questions, keywords
- ✓Language corrections
- ? Re-styling: maybe...

Germanna Community College Libguide: The Other Side of AI: ChatGPT Explains Its Downsides.

ChatGPT explains why it shouldn't be used for first drafts: https://germanna.libguides.com/c.php?g=1407891&p=10423098

## **Template to timeline**

#### <u>1. What exactly am I aiming to write?</u> <u>What</u> do I have already?

Be crystal clear on the type of document you are writing. Starting from scratch or reusing/recycling?

How?

#### 2. Where am I going to publish it?

Choosing early: <u>author guidelines</u> (scope, length & formatting, use of Al/authorship, other requirements).

#### 3. When does it have to be ready for submission?

Publishing timeline

submission deadline



TEMPLATE

### From final draft to submission



□Revising, formatting and proofreading <u>before</u> submission are essential.

Multiple authors <u>all need to agree on the final text</u> (formal consent may be required).

□Schedule <u>enough time</u> to do all this. (\*formatting a paper = avg. 14 hours; multiple authors = more time required)



□Always use <u>a final checklist</u> before submission.

\*LeBlanc AG, Barnes JD, Saunders TJ, Tremblay MS, Chaput J-P (2019) Scientific sinkhole: The pernicious price of formatting. PLoS ONE 14(9): e0223116. <u>https://doi.org/10.1371/journal.pone.0223116</u>.

# **Revising and proofreading**



Use AI tools for corrections (but check author guidelines first!) – see <u>NTK Tools to support writing</u>

Change font while revising and do at least one round of proofs on paper

Another set of eyes (and a brain <sup>(2)</sup>) are essential for spotting errors:

- Find a peer and ask them to proofread as a favour (to be returned);
- Find a native speaker, ideally a specialist;
- Pay for a professional service. Costly but might be required.

### **Pre-submission checklist**

- 1. Have you followed the author guidelines? (Word count; prescribed formatting, citation method and style; keywords, title and abstract; presentation of data: figures and charts, and other.)
- 2. Have you written a cover letter?
- 3. Did you have another pair of eyes proofread your article? Revise and proofread before submission.
- 4. Do you need or want to share research data associated with your article?
- 5. Do you have written permission for any third-party materials you've included?
- 6. Have you included the name and affiliation of any co-authors?
- 7. Have you included a disclosure statement on funding and declared any competing interests?
- 8. Have you included your ORCiD?
- 9. Do you have the correct files ready to upload? For double-blind review, an anonymized version of you article will be required.
- 10. Do you know which submission system the journal uses?

LEARN MORE: https://authorservices.taylorandfrancis.com/publishing-your-research/making-your-submission/article-submission-checklist/



## **Further resources on writing @ NTK**

- NTK Guides to Writing
- Academic Writing & Publishing
- Al Tools to Support Writing

### NTK Academic Writing Q&A Series (short videos)

□Arrange an individual consultation @NTK in person or online.



### Learning outcomes

Understand where you are in the **publication process** 

✓ Submission-to-publication timeline

Understand where you are in the writing process
 Writing, converting into, or re-using as what? (Type to template.)
 Draft-to-submission timeline

□ Know what you need and how to proceed to get published
 ✓ Further resources, guides & author guidelines, templates, checklists

# **Get Assistance**

- □ Schedule a <u>consultation</u>
- LaTeX support, Bibliometric services
- Attend a <u>webinar</u>
- Kick Start Your Research Career with NTK: Webinars for Early Career Researchers

### □ Explore by yourself

- <u>STEMskiller</u>: comprehensive skills set map for early career researchers
- <u>Tutorials</u>: NTK instructional materials and recordings, further resources
- Subject guides

Stay ahead in your research journey! <u>Subscribe</u> to our newsletter for updates on academic resources, writing support, publishing, research evaluation, and training opportunities.



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# Thank you for your attention!

# **Questions?**

### **Contacts:**

barbora.vobrubova@techlib.cz

alena.dvorakova@techlib.cz