

Chapitre 2

La correspondance avec les revues en mathématiques

Ce chapitre traite de la communication entre l'auteur et l'équipe éditoriale des revues en mathématiques. Il abordera le processus à suivre pour publier un article en mathématiques ainsi que les moyens de communication utilisés (messagerie, courrier électronique, plateforme, ...). Ce processus reste, en grande partie, valable pour d'autres types de publications (livres, chapitre, survey, ...) et couvre essentiellement la communication avec l'éditeur et le référee au sein d'une revue en mathématiques. Des exemples seront donnés au fur et à mesure de l'avancement des points traités. D'autres part, le lecteur peut élargir le champs de sa vision en consultant les références [6, 13] et en regardant les nombreux exemples sur Internet.

2.1 Généralités sur le processus de publication

Que ce soit par courrier traditionnel, messagerie électronique ou par plate-forme dédiée, le jargon utilisé lors du processus de publication d'un article en mathématiques reste le même. On donne ici avec brève description l'essentiel des termes que l'on rencontre dans l'élaboration et la publication d'un article en mathématiques.

- ☛ **Manuscript=Manuscrit** : A manuscript is a written, typed, or word-processed document submitted to a publisher by the researcher.
- ☛ **Author=Auteur** : An author is the writer of an article. Generally : An author is the person who originated or gave existence to anything and whose authorship determines responsibility for what was created.
- ☛ **Authorship=Paternité** : Authorship confers credit and has important academic, social, and financial implications. Authorship also implies responsibility and accountability for published work.

- **Co-author=Co-auteur** : Any person who has made a significant contribution to a journal article. They also share responsibility and accountability for the results of the published research.
- **Corresponding author=Auteur de correspondance** : The corresponding author is the person who handles the manuscript and correspondence during the publication process, including approving the article proofs. (A ne pas confondre avec l'*auteur principal* ou le *premier auteur*!)
- **Affiliation=Affiliation** : Is the address of the institution where the author conducted the research.
- **Editor=Éditeur** : Is someone with an understanding of science and typically a background as a scientist. The primary role of an editor is to act as a liaison between the author and the future readers of the paper (the audience). His job is to decide what papers are appropriate to publish in the journal.
- **Editor-in-chief=Éditeur en chef** : The Editor-in-Chief (EIC) for a scientific journal is typically a highly experienced scientist who has a larger vision within the discipline to guide the journal.
- **Cover letter=Lettre d'accompagnement** : A cover letter is a letter written by the corresponding author to the Editor to submit a paper for publication. It should explain why the work is perfect for their journal and why it will be of interest to the journal's readers. When writing for publication, a well-written cover letter can help the paper reach the next stage of the manuscript submission process (to be sent out for peer review).
- **Referee=Référé=Arbitre** : The referee of a scientific journal is a scientists expert in the field to review or "referee" the paper. The referee is designated by the editor to recommend either acceptance or rejection of the paper, and furthermore provides extensive comments on how the work could be improved or its description clarified. The author must respond to each of the points raised by the referee when submitting a revised version of the paper.
- **Reviewer=Rapporteur** : The same as a referee, but the term can be used in other areas such publishing books, Ph.D. thesis, ...
- **Preprint=Prépublication** : A preprint is a version of a scientific manuscript prior to formal peer review. It can be posted on a public server, and in some cases, it can be citable.
- **Peer review=Examen par les pairs** : It is the process of reviewing a paper by referees or reviewers.
- **Proofs=Preuves** : The proofs are the last version of the paper written and formatted by the journal to be published. It is sent to the corresponding author to check for typesetting or conversion errors and the completeness and accuracy of the text, tables and figures. The typesetter will insert queries in the proofs wherever clarifications are required from the corresponding author.

- 🔑 **DOI=Digital Object Identifier** : A DOI is a string of numbers, letters and symbols used to permanently identify an article or document and link to it on the web. A DOI will help your reader easily locate a document from your citation.



Les articles publiés par les revues comprennent, au moins, trois principaux éléments, qui sont à la fois indispensables et complémentaires :

1. l'idée d'ensemble,
2. l'exécution du travail et
3. la présentation de ce dernier.

Ainsi, une idée médiocre ou une étude mal conçue ne pourra pas être sauvée par une excellente présentation du travail, tout comme une excellente idée bien étudiée pourra être mise en échec par une mauvaise présentation.

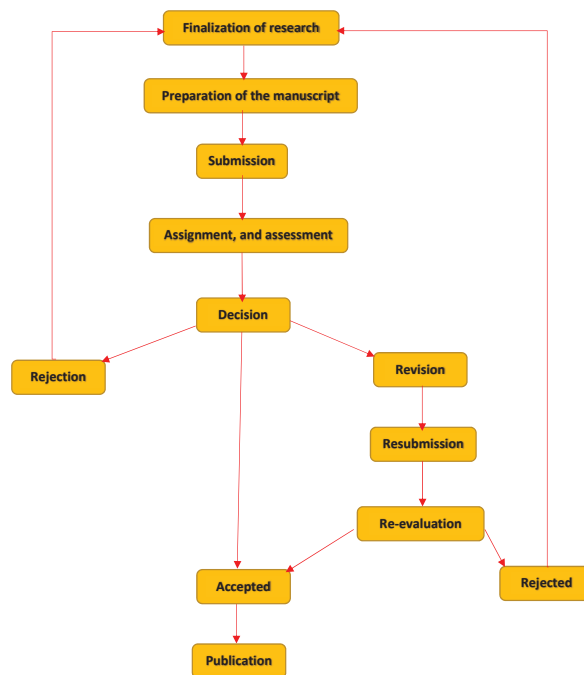
2.2 Description du processus de publication

By using some special platforms of journal called “Editorial Manager”, the process from submission to publication of a paper is described in the following steps :

1. **Step 1** : The author (corresponding author) sends a manuscript with a cover letter to the journal.
2. **Step 2** : An editor is informed by the staff of the journal and handles the paper.
3. **Step 3** : A first decision is made by the editor :
 - ✓ reject the paper,
 - ✓ ask the author to make modifications, or
 - ✓ send the paper to one, two or more referees (reviewer).
4. **Step 4** : The referee handles the paper,
5. **Step 5** : The referee sends to the editor an opinion, which can be of the following form :
 - ✓ accept the paper,
 - ✓ ask for minor correction before decision,
 - ✓ ask for major correction before decision, or
 - ✓ reject the paper
6. **Step 6** : The editor collects the decisions of the different referees and inform the corresponding author of his decision, which can be of the following form :
 - ✓ accept the paper,
 - ✓ ask for the required corrections, or
 - ✓ reject the paper

7. **Step 7 :** When the editor asks for corrections, the author sends a revision version of the paper with letters to both the editor and the referees. Depending on the corrections made to the paper, this step looks like a “*re-submission*” of the paper.
8. **Step 8 :** The process returns to the Step 2.
9. **Step 9 :** After acceptance of the paper, the paper is rewritten by the team charged by publication in the form of the journal and a copy is sent to the corresponding author for checking. This operation is called “*typesetting the paper*” and the copy is called “*proofs*”.
10. **Step 10 :** When the corresponding author returns the proofs, the paper is given a DOI by the journal and first published online.
11. **Step 11 :** Later, the paper is given a pagination (*pages, volume, number, ...*) and published in a print format. This information will constitute what is called “*the reference*” to the paper.

The following figure shows the process a scientific manuscript goes through from submission to publication in a mathematical journal.

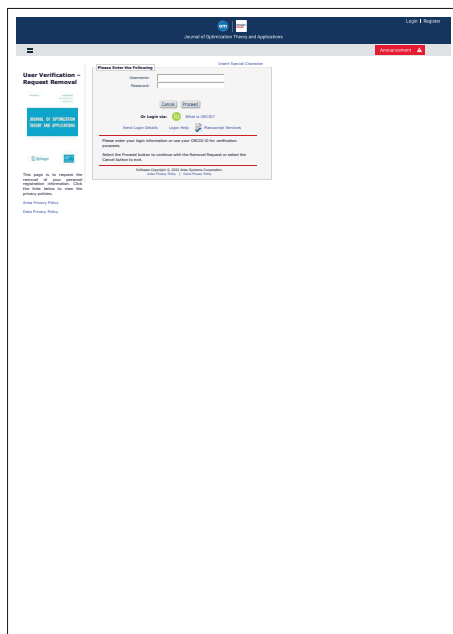


Evaluation process of a scientific manuscript

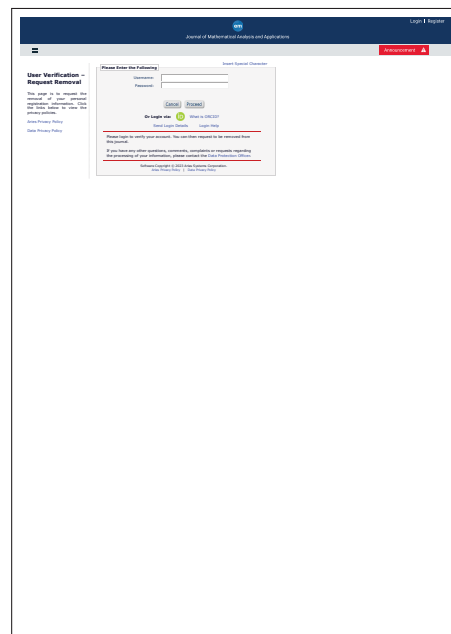
2.3 Exemples de types de communication avec les revues en mathématiques

Bien que la communication reste en soi inchangée, les moyens utilisés sont en perpétuelle évolution. Après l'époque des lettres écrites et envoyées par la poste, l'ère du numérique est venu métamorphoser les habitudes. Et après la période des simples e-mails, l'ère du Web a tout bouleversé et on est passé aux plate-formes et sites dédiés à la soumission et au suivi de la publication par l'auteur, le reviewer (référé) et l'éditeur.

Les deux figures suivantes montrent les plate-formes de Springer et Elsevier. Bien entendu, il y a une multitude de revues et de plate-formes dans le monde, mais le principe reste pratiquement le même.



Springer platform



Elsevier platform

Voici maintenant quelques exemples de lettres, messages ou autres textes utilisés dans les différentes étapes de la soumission (et la liste n'est évidemment pas exhaustive).

[Replace the text in brackets with your own]
 [Your Name Surname]
 [Peer Recognized University]
 [Address]
 [email, phone]

[Editor's Name Surname]
 [Journal's Title]

[Date]

Dear Editor,

Please consider our [research paper / review paper / short communication / confirmatory study] titled "[Manuscript title]" for publication in [Journal Title]. It is a follow up work of our earlier research on [add the topic if you had one and a reference].

The manuscript describes [the key research problem that you addressed]. We found that [very briefly explain why the results are important and what impact they might have in the field].

We believe that these findings will be interesting to the readers of [Journal Title] because they [add a link to the aims & scope of the journal].

Please consider the following reviewers [if required by the journal and there is no form in the submission process for this]

- [Name Surname, affiliation, contact]. We suggest this person because of [his/her] experience in the field of [very short description of the reason for suggesting].
- [Name Surname, affiliation, contact]. We suggest this person because of [his/her] experience in the field of [very short description of the reason for suggesting].
- [Name Surname, affiliation, contact]. We suggest this person because of [his/her] experience in the field of [very short description of the reason for suggesting].

We respectfully ask [degree Name Surname] not to be included as a reviewer.

This manuscript has not been published and is not under consideration for publication elsewhere. [Add any other disclosure statements and statements about correspondence to ethical standards according to the requirements in the journal's guide for authors]

The co-authors contributed to the research in the following ways [such a statement might be required by the journal; see a list of possible roles here: <http://crossref.org>].

A cover letter to the editor of a mathematical journal

Response to Referee Comment #1:

I have found this paper quite interesting as how to approach scale mismatch. The mathematical/statistical procedures are rigorous, and appropriate to derive indexes.

Response: Thank you for the very positive evaluation of our manuscript. Below we provide a point-to-point reply to your comments.

I only suggest including brief comments or modifying the following:

Do you think that DGM models might increase resolution by using remote sensing data in order to improve spatial variability? Such as MODIS GPP/NPP at 1km.

Response: The resolution of DGMs is always defined by the resolution of the climate input data. Spatial variability in DGMs could hence only be increased by using input climate data at higher resolution (e.g., from regional climate models). As simulated GPP and NPP are a model output, MODIS GPP and NPP could only be used to evaluate model output. However, note that MODIS is derived from NDVI which tends to saturate in dense forests such as the Amazon and, thus, has limited capability to identify spatial variations (Hui et al 2011). As pointed out in the conclusion (page 9, line 30) the integration of forest structural information derived from upcoming Lidar remote sensing missions (such as GEDI or BIOMASS) may reveal more information on spatial variability than previous optical remote sensing (NDVI).

I see more emphasis in spatial variability than temporal variability. How to assess the variability of the observed/estimated forest properties (as biomass) due to gap dynamics? Is this more important than edaphic properties or Site Index?

Response: Thank you for pointing this out. Gap dynamics clearly have an effect on the spatial variability of biomass (e.g. see Ridg et al. 2017, 2018) and this is discussed in our manuscript on page 9, l.15-18. However, we emphasize that most gaps in tropical forests are much smaller than the one hectare scale of the plot data used for model validation (e.g. 89% of gaps on BCI are <0.04 ha; Hubbell et al. 1999), and so the plots are generally representative of the disturbance regime in each landscape. Additionally, gap dynamics and site properties cannot be separated easily as site characteristics strongly influence forest dynamics (e.g. Quesada et al. 2011). We will make this more clear in the introduction by rephrasing p.2, l.17-22. We agree that it would be interesting to assess the temporal variability and the respective model behaviour, but this is out of the scope of this study.

Do you consider that some of the forest plots you used were subject to selective logging or natural gaps? and for this reason a cause of mismatch.

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A response to a referee of a mathematical journal

Referee Report for "Randomly Generated Triangles Whose Vertices are Vertices of a Regular Polygon," submitted to Rose-Hulman Undergraduate Math Journal

Comments for the Authors

Overall, I found your article interesting and publishable. I hope you don't find the suggestions that follow discouraging, for I do believe this was a very well-written paper in general. I would like to suggest the following revisions:

- p.1, bullet 1 – change "generate" to "generated"
- p.1, bullet 3 – change "generate" to "generated"
- p.3, 3 lines from the bottom – put parentheses around $\pi = \frac{\theta}{2}$
- p.4, Section 3.1 – Your example mentions adding up the areas of the three triangles within triangle (0,1,3). This approach doesn't work in general since the center of the regular polygon might not fall within the triangle (for example consider triangle (0,1,2)). Your formula still holds and your picture might be the best to use so your readers understand why it holds. However, you may wish to at least make mention of this issue and the fact that the formula still works.
- p.5, last formula on page – the numerator of the last fraction should be $3 \times 2\pi$
- p.6, third line – consider writing "there are $\binom{6}{2} = 20$ possible triangles" instead of make the dependence on $n = 6$ a little clearer to the reader
- p.7, 2nd line – I don't believe you need to use the double angle formula in the derivation of the formula for the perimeter. The formula seems to just follow from basic trigonometry as you state.
- p.8, line 5 – *italicize* ℓ
- p.8, 2nd formula – ℓ will never actually be equal to 0 since a, b, c are distinct numbers and the smallest $a=c$ can be is $n-1$. Having the sum start at 0 might be more convenient for your later derivation, so you may wish to keep the sum starting at 0. However, I suggest mentioning to the reader to notice that this doesn't change the sum since $\sin(0)=0$.
- p.8, Claim 1 – note that the claim doesn't hold for $k = 0$ since $p(0)=0$.
- p.8, Claim 1 – Your proof of the claim is correct, although it is unclear how you use the Case I hypothesis in your proof of Case I. Also, for subcase ii, the possible values for j are $k+1 \leq j \leq n-1$ and you need $j \neq n-k$, as well since these triples are counted in Subcase i. It is still true that you have $n-k-j-2 = n-k-j-3$ choices for j .
- p.8, Claim 1, Proof – With the corrections above, your proof of Claim 1 is valid. However, it appears to be more difficult than necessary. Here is a 2nd possible way to prove this claim that does not rely on you breaking the proof into cases and that generalizes more easily for Theorem 5.2.

Proof of Claim 1: Let's count the number of times k occurs due to a triangle of the form $(0,b,c)$ and where 0 is used as one of the integers forming the

A referee report of a mathematical journal

Optim Let
 https://doi.org/10.1007/s10291-019-0048-2

ORIGINAL PAPER

Further on set-valued equilibrium problems in the pseudo-monotone case and applications to Browder variational inclusions

Boudoun Alleche¹ · Vicentja D. Rădulescu^{2,3}

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Abstract This paper deals with set-valued equilibrium problems under conditions of pseudo-monotonicity. Concepts such as strict quasi-convexity, hemicontinuity and pseudo-monotonicity for extended real set-valued mappings are introduced and applied to obtain results on the existence of solutions of set-valued equilibrium problems generalizing those in the literature in the pseudo-monotone case. Applications to Browder variational inclusions under weakened conditions are given. In particular, it is shown that the upper hemicontinuity from line segments of the involved pseudo-monotone set-valued operator is not needed in the whole space when solving Browder variational inclusions.

Keywords Equilibrium problem · Set-valued mapping · Convexity · Hemicontinuity · Pseudo-monotonicity · Variational inclusion

Mathematics Subject Classification Primary 26A15; Secondary 26B25 · 26B25 · 47J20 · 49J55

Vicentja D. Rădulescu
 vicentja.radulescu@univ-buc.ro, vicentja.radulescu@univ-buc.ro

Boudoun Alleche
 alleche.boudoun@univ-buc.ro, alleche.boudoun@gmail.com

¹ Laboratoire LPTFA, Faculty of Sciences, Université de Méditerranée, 13000 Marseilles, Algeria

² Department of Mathematics, Faculty of Sciences, King Abdulaziz University, P.O. Box 80203, Jeddah 21589, Saudi Arabia

³ Institute of Mathematics "Simion Stoilnicu" of the Romanian Academy, P.O. Box 1-769, 01400 Bucharest, Romania

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2.4 Types de phrases dans la communication avec l'éditeur

Voici ici quelques types de phrases que l'on utilise lors de l'écriture d'un message ou lettre à l'éditeur d'une revue en mathématiques.

- ☛ I would like to submit the enclosed manuscript “...” for publication in the Journal “...”.
- ☛ I am submitting the enclosed manuscript “...” for publication in the Journal “...”.
- ☛ I have also included a reprint of my article for the convenience of the referee.
- ☛ I wish to withdraw my paper ... as I intend to make a major revision of it.
- ☛ I regret any inconvenience this may have caused you.
- ☛ I am very pleased that the paper will appear in the Journal “...”.
- ☛ Thank you very much for accepting my paper for publication in in the Journal “...”.
- ☛ Please find enclosed two copies of the revised version.
- ☛ As the referee suggested, I inserted a reference to the theorem of ...
- ☛ We have followed the referee's suggestions.
- ☛ I have complied with almost all suggestions of the referee.

2.5 Types de phrases dans la communication avec le référé

Voici ici quelques types de phrases que l'on reçoit habituellement de la part des référés des revues en mathématiques.

- ☛ The author proves the interesting result that ...
- ☛ The proof is short and simple, and the article well written.
- ☛ The results presented are original.
- ☛ The paper is a good piece of work on a subject that attracts considerable attention.
- ☛ I am pleased to recommend it for publication in ...
- ☛ It is a pleasure to to recommend it for publication in ...
- ☛ I strongly to recommend it for publication in ...
- ☛ The only remark I wish to make is that condition B should be formulated more carefully.
- ☛ A few minor typographical errors are listed below.
- ☛ I have indicated various corrections on the manuscript.
- ☛ The results obtained are not particularly surprising and will be of limited interest.
- ☛ The results are correct but only moderately interesting.
- ☛ The results are rather easy modifications of known facts.
- ☛ The example is worthwhile but not of sufficient interest for a research article.
- ☛ The English of the paper needs a thorough revision.

- ☛ The paper does not meet the standards of your journal.
- ☛ Theorem 2 is false as stated in this generality.
- ☛ Lemma 2 is known (see ...)
- ☛ Accordingly, I recommend that the paper be rejected.
- ☛ For all these reasons, I strongly recommend the acceptance of the paper for publication in the Journal "...".

2.6 Activités d'atelier

Atelier 2.1

1. Consult the Web site of *Elsevier* at the address <https://www.elsevier.com/en-xm>.
2. Consult the Web site of *Springer* at the address <https://link.springer.com/>.
3. Choose a mathematical journal at both Elsevier and Springer.
4. Look at the platforms "*Editorial Manage*" of both Elsevier and Springer.

Atelier 2.2

1. Consider the paper you have written in Chapter 1.
2. Write a *cover letter* to the editor.
3. Suppose you have submitted the paper to a mathematical journal.
4. Suppose you have received a report from a referee.
5. Write a *response* to the editor.
6. Write a *response* to the referee.

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