

HOW TO BE A GOOD ACADEMIC JOURNAL REVIEWER

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OUTCOMES OF WORKSHOP



Understand WHAT IS EXPECTED from the reviewers

Know how to evaluate an appropriate academic writing.

RECOGNISE THE DIFFERENT SECTIONS within a reviewing process.

CONTENTS OF THE SESSION



- RULES AND OBLIGATIONS OF REVIEWERS
- BENEFITS OF BEING A REVIEWER
- REVIEWER'S REPORT, KEY POINTS
- GUIDELINES FOR REVIEWERS
- HOW TO ASSESS THE PAPER QUALITY
- REVIEWERS CRITERIA
- REVIEWERS' MOST COMMON CRITICISMS
- HANDS-ON SESSION

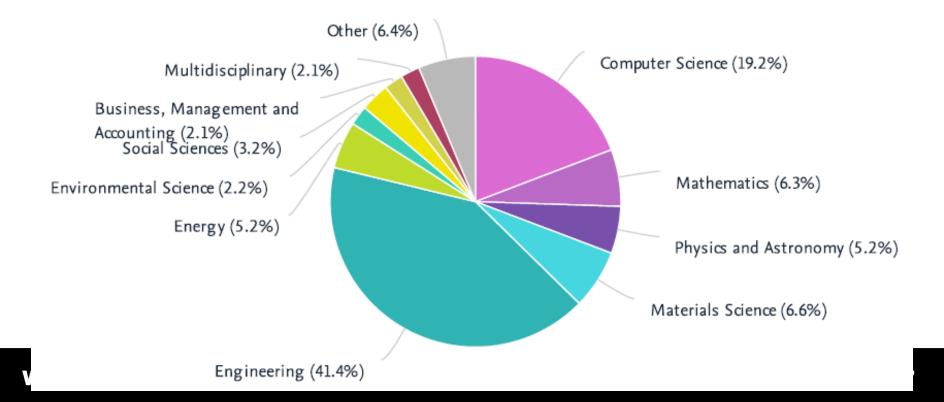
SCIVAL ANALYSIS/ UTeM



Overall research performance

Publications Citations Authors Impact Citations per Publication

3,116 ▲ 5,371 2,653 ▲ 0.89 1.7



SCIVAL ANALYSIS/ UTeM



Performance indicators

Outputs in Top Citation Percentiles

Publications in top 10% most cited worldwide

Publications in Top Journal Percentiles

Publications in top 10% journals by CiteScore Percentile



Universiti Teknikal Malaysia Melaka:

2.4%

Malaysia:

7.8%



Universiti Teknikal Malaysia Melaka:

4.6%

Malaysia:

15.5%

International Collaboration

Publications co-authored with Institutions in other countries



Universiti Teknikal Malaysia Melaka:

19.6%

Malaysia:

34.8%

Academic-Corporate Collaboration

Publications with both academic and corporate affiliations



Universiti Teknikal Malaysia Melaka:

0.7%

Malaysia:

0.7%

GOOD REVIEWERS LOOK FOR



- Originality what's new about subject, treatment or results?
- Relevance to and extension of existing knowledge
- Research methodology are conclusions valid and objective?
- Clarity, structure and quality of writing does it communicate well?
- Sound, logical progression of argument
- Theoretical and practical implications (the 'so what?' factors!)
- Internationality/Global focus
- Regency and relevance of references
- Adherence to the editorial scope and objectives of the journal
- A good title, keywords and a well written abstract

SOME KEY QUESTIONS



- Readability
 - Does it communicate?
 - Is it clear?
 - Is there a logical progression without unnecessary duplication?
- Originality
 - Why was it written? What's new?
- Credibility
 - Are the conclusions valid?
 - Is the methodology robust?
 - Can it be replicated?
 - Is it honest don't hide any limitations of the research?
 - You'll be found out.
- Applicability
 - How do findings apply to the world of practice?
 - Does it pinpoint the way forward for future research?
- Internationality
 - Does it take an international, global perspective?

PEER REVIEW



- Peer review is at the heart of the scientific method.
- Peer review is a critical element of scholarly publication
- One of the major bases of the scientific process.
- It ensures that published research is sound and properly verified and improves the quality of the research.

PEER REVIEW



- Its <u>philosophy</u> is based on the idea that one's research must survive the scrutiny of experts before it is presented to the larger scientific community as worthy of serious consideration.
- Reviewers are expected to alert the journal editor to any problems they identify, and make recommendations as to whether a paper should be accepted, returned to the authors for revisions, or rejected.

PURPOSE OF PEER REVIEW



- Mistakes in procedures or logic
- Conclusions not supported by the results
- Errors or omissions in the references
- Compliance with ethics standards
 - Has the protocol been approved by an appropriate Ethics Committee?
 - Human research: Most recent
- Originality and significance of the work





SINGLE-BLIND REVIEW

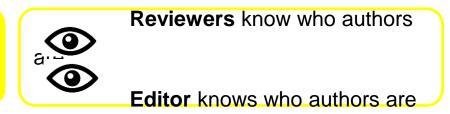
- The reviewers know who the authors are, but the authors do not know who the reviewers are.
- The most common system in science disciplines.
- This allows reviewers to provide honest, critical reviews and opinions without fear of reprisal from the authors.
- Lack of accountability, allows unprincipled reviewers to submit unwarranted negative reviews, delay the review process and steal ideas.

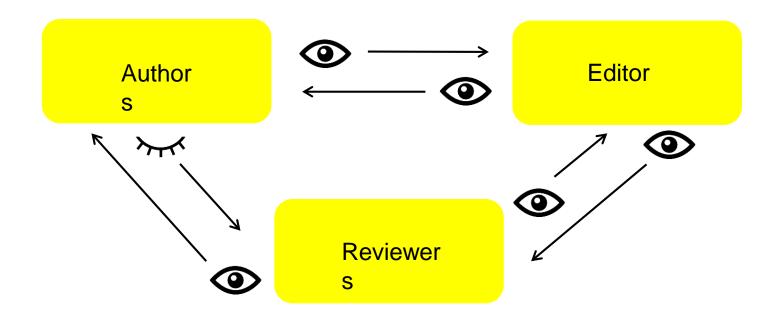


SINGLE BLIND REVIEW



Authors don't know who reviewers







DOUBLE-BLIND REVIEW

- The reviewers do not know who the authors are, and the authors do not know who the reviewers are.
- Reduces possible bias resulting from knowing who the authors are or where they come from, work assessed on its own merits.
- Involves some effort to make sure manuscripts are anonymised, reviewers can often guess who the authors are
- Information important for a complete critical appraisal is missing.



DOUBLE BLIND REVIEW

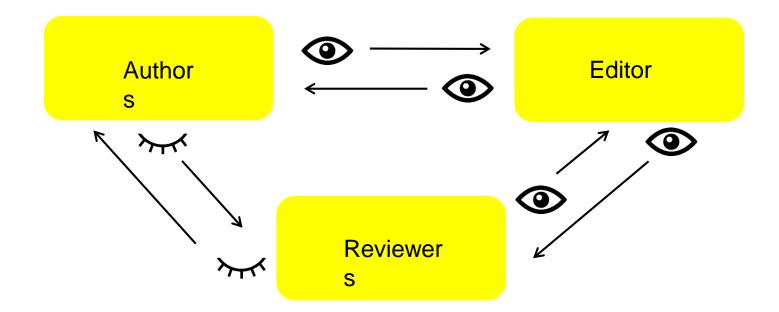


Authors don't know who reviewers are

Reviewers don't know who authors are



Editor knows who authors





TRIPLE BLIND REVIEW



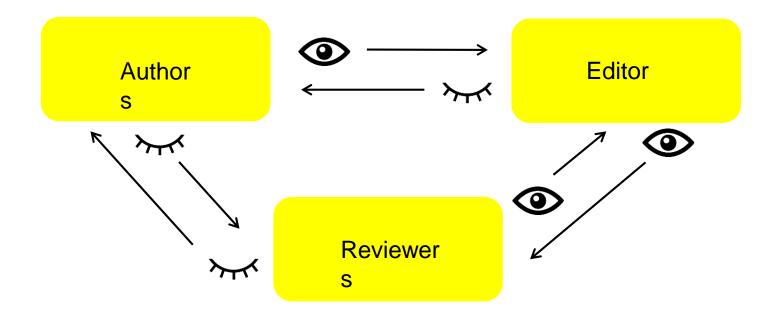
Authors don't know who reviewers are



Reviewers don't know who authors are



Editor doesn't know who authors are





OPEN REVIEW

- Greater accountability
- Reduced opportunity for bias
- Inappropriate actions.
- Reviewers can be given public credit for their work.
- Potential reviewers may be more likely to decline to review.
- Revealing reviewer identity may lead to dislike from authors,
- Damaged relationships
- Effects for job prospects, promotion and grant funding.

WHY DO REVIEWERS REVIEW?



- Value from mentoring young researchers
- Enjoyment in reviewing
- General interest in the area
- Awareness of new research and developments before their peers
- Career development
- Help with own research or new ideas
- Association with journals and Editors
- Keep updated with latest developments

WHY DO REVIEWERS REVIEW?



- It is an accepted part of membership in the academic community.
- It is always interesting to see the latest work in particular specialist areas and be able to comment on it.
- Sometimes improve it prior to publication;
- To act as a gatekeeper for quality in an area of science that know about and care about.

BENEFITS OF BEING A REVIEWER?



- The benefits of reviewing are diverse:
 - From improving your critical thinking,
 - giving and receiving feedback and
 - gaining insights to improve your future publications.
 - Reviewing is an essential skill to develop as a researcher.

CONFLICT OF INTEREST



- As a reviewer, your task is to critically and constructively judge the content of a manuscript.
- A conflict of interest could be:
 - Your PhD student or PhD supervisor;
 - Family relations;
 - People at your current institution;
 - People whose research you fund or who fund you;
 - Collaborators in the past two years.

ESSENTIAL OBLIGATIONS



■ Maintain strict confidentiality of review

- You must be aware that the paper you are reviewing is confidential before its publication.
- Under no circumstances should you contact the authors or disclose that you are a reviewer of their paper.
- When you have any questions for the authors, ask them through the editor not directly to the authors.

Response from taking unfair advantage

- One benefit of serving as a reviewer is that one can access new research results before their publication.
- However, it is a violation of ethics to use any information gained during the review process for your own personal benefit, such as writing for publication in journals or fund raising.

REVIEWER RULES



- Respect the confidentiality of peer review, and
- Not discuss the manuscript or contact the authors or any other people about the manuscript.
- Declare any conflicts of interest.
- Provide an objective and constructive explanation for recommendation.
- Not allow decision on a manuscript to be influenced by authorship.
- Avoid requesting that the author cites the peer reviewer's own papers, unless there is a strong scholarly rationale for this.

REVIEWER RULES



- Not reproduce information or any part of the manuscript under review in any of their own work prior to publication by the authors.
- Only agree to peer review manuscripts within their expertise and within a reasonable timeframe.
- Not delay publication (Timeliness).
- Review is fair, unbiased and timely
- Not use insulting, hostile, or defamatory language.
- Destroy submitted manuscripts and all related material after they have reviewed them.
- Editors and editorial team members are excluded from publication decisions when they are authors or have contributed to a manuscript.
- A short statement may be useful for any published article that lists editors or board members as authors to explain the process used to make the editorial decision.

REVIEWER RULES



- Disclose any potential Conflicts of interests before agreeing to review a submission
- Comment on ethical questions and possible research misconduct raised by submissions, (e.g. unethical research design, insufficient detail on patient consent or protection of research subjects)
- Ensure the originality of submissions and be alert to redundant publication and plagiarism
- Consider any tools to detect related publications
- Acknowledge the contribution to knowledge clearly

NOT EXPECTED TO DO



- Formatting
- Spelling, Punctuation, and Grammar
- Plagiarism
- Ethical Standards
- Rerun Research
- Make The Final Decision
 - Reviewers provide invaluable advice to editors about whether an article should be published.
 - Ultimately it is the editor who decides whether something is to be published.
 - Most journals will solicit more than one review prior to making a decision, and the editor may solicit a further review if two reviewers disagree.
 - The recommendation that a reviewer provides will always be advisory; the editor may make a different decision.

WHEN REVIEWING A PAPER



Reviewer should take into consideration the following:

ORIGINALITY AND QUALITY:

- Is the paper of **sufficient interest** for publication in the journal?
- Does it contribute significantly to the current state of the research field?
- Is the topic handled substantively and accurately in appropriate detail and scope?

STRUCTURE:

- Abstract, introduction, method, results, discussion, conclusion.
- Engagement with previous research and results (e.g. does the author engage with current/ relevant research in the field).

LANGUAGE:

Do not need to correct the English, however, if a paper is difficult to understand due to grammatical errors, please mention this issue in the report



ARTICLE QUALITY RATING

- Impact and timeliness:
 - Does the article have significant scientific/technological impact and timeliness, which attract the interest of researchers in the field?
- Novelty and originality:
 - Is the article novel and original?
 - Does the article contain material that is new or
 - Significantly adds to knowledge already published?
- Presentation:
 - Is the presentation of the article, which includes the organization, logical consistency, English language, etc., appropriate?
 - Are adequate and sufficient references covered?
 - Letters typically have approximately 20 references

SCIENTIFIC QUALITY RATING



Novelty and originality:

- Is the article novel and original?
- Does the article contain material that is new or adds significantly to knowledge already published?

Importance and impact:

- Are the presented results of significant importance and impact to advancement in the relevant field of research?
- Is this article likely to be cited in the future?

Relevance to applied physics:

- Is the article scientifically sound and not misleading?
- Does it provide sufficient in-depth discussion of the application of a physical principle or the understanding of physics in view of its application?

Completeness of presentation:

- Is the presentation complete for a scientific article?
- Please rate the article by considering the evaluation given in 1.



OVERALL RATING AND RECOMMENDATION

- Summary of reviewer's ratings:
 - The result of reviewer's rating is summarized.
- Recommendation:
 - Provide the reviewer's opinion on the acceptability of the article by choosing one of the following:
 - → The article may be accepted for publication with/without English correction.
 - → The article may become acceptable after minor revisions of content and/or English presentation by referring to the reviewer's comments.
 - Note: If you think major revisions are necessary, please recommend major modification required.
 - The article may be rejected.



REVIEWER'S REMARKS TO THE AUTHORS

- Please provide comments and suggestions constructive and useful for the authors to improve the scientific quality and presentation of the article.
- If you are submitting a reviewer's report to reject the article,
 - You are asked to provide the reasons for rejection. Those comments are sent to the authors.
- In order to ensure prompt publication of papers,
 - Intend to limit the authors' manuscript in a minor revision and to only once.
 - Papers that you think will require major revisions or more than two turnarounds between the author and the editor should be rejected.



REVIEWER'S REMARKS TO THE AUTHORS

- It is useful to provide a concise summary of essential claims in the paper, including both positive and negative points.
- If it is a great paper, please explain what is so good about it.
- On the other hand, if you recommend rejection of the paper, you must state the reason for rejection as clearly as possible.
- If you recommend revision of the paper for possible publication, you must specify what is needed for sufficient improvement of the paper.
- These comments are sent to the authors and editors



REVIEWER'S CONFIDENTIAL REMARKS TO THE EDITOR

These comments are sent only to the editor responsible for the review of the article, not to the authors.

- Importance of the article:
 - If you recommend "publish"
 - Please concisely describe the background and novelty/importance of the present research to merit its publication in the journal.
 - If you recommend "reject"
 - please briefly provide the reasons.
- Other comments:
 - Please provide additional information, if any, in relation to the evaluation of the article.



- It is important to be polite when providing comments supporting your recommendation, even when you must be critical of the manuscript.
- Try to be as comprehensive, specific, and constructive as possible in your comments to the author(s).
- Your comments should be helpful to the author(s) in improving the manuscript, even if you believe that the manuscript does not merit publication



The following format is suggested for preparing comments

- IDENTIFICATION OF THE CONTRIBUTION AND MAJOR STRENGTHS OF THE PAPER.
 - Is this paper appropriate for publication?
 - What is the incremental contribution to existing science and practice?
 - What are the strengths of the paper?
 - If, in your assessment, the paper does not make a contribution or have any strengths, a politely worded opening paragraph summarizing the essence of the paper would be appropriate.



MAJOR WEAKNESSES OF THE PAPER

The following are some questions you should try to address:

- Does the manuscript provide sufficient information to make an evaluation?
 - If not, what information is needed? Be specific.
- Does the manuscript have mistakes?
 - If so, are they correctable?
 - → How?
 - Would removing problematic sections be a solution?
 - If the mistake is not correctable, please state why.
- Do the authors achieve their stated objectives?
 - If not, what do they still need to do?
- What are the major changes that should be made and/or major issues that should be addressed in a revision?



- Other changes that would **potentially** strengthen the manuscript and/or minor issues that should be addressed in a revision.
- ■When discussing minor issues, it is usually helpful to indicate the place in the manuscript (page and paragraph) where the change should be made.

REVIEWER'S REPORT, KEY POINTS



READABILITY

- Some questions you might consider:
 - Is the length-to-contribution ratio appropriate?
 - A "desirable" length is 25 pages of text, excluding references, tables, and figures.
 - Are there sections of the manuscript that can be eliminated or condensed?
 - Are there sections of the manuscript that might be moved to a technical appendix?
 - Will the paper be interesting to both academicians and practitioners?
 - If not, how can it be strengthened?
 - Do you see managerial implications that the authors have overlooked or failed to treat in sufficient depth?

REVIEWER'S REPORT, KEY POINTS



ABSTRACT AND TITLE

- Comments and suggestions, if any,
 - Regarding the ABSTRACT (whether it is an accurate and useful summary of the content of the paper) and
 - **TITLE** (whether it is appropriate given the content of the paper).

QUESTIONS REVIEWERS ASK?



Aside from assessing the title, abstract, English language of the article and references, reviewers assess the scientific quality of the work.

- Does the paper fit the standards and scope of the journal it is being considered for?
- Is the research question clear?
- Was the approach appropriate?
- Are the study design, methods and analysis appropriate to the question being studied?
- Is the study innovative or original?
- Does the study challenge existing paradigms or add to existing knowledge?

QUESTIONS REVIEWERS ASK?



Aside from assessing the title, abstract, English language of the article and references, reviewers assess the scientific quality of the work.

- Does it develop novel concepts?
- Does it matter?
- Are the methods described clearly enough for other researchers to replicate?
- Are the methods of statistical analysis and level of significance appropriate?
- Could presentation of the results be improved and do they answer the question?
- Are the conclusions appropriate?

ETHICAL CONSIDERATIONS



- Expertise
- Timeliness
- Take it seriously
- Avoid bias
- Don't be intimidated
- Review anonymously?
- Respect confidentiality

SOME TIPS MIGHT PROVE USEFUL



- Be professional
- Be pleasant
- Read the invite
- Be helpful
- Be scientific
- Be timely and swift
- Be realistic
- Be empathetic
- Be open
- Be organized

TIPS FOR PREPARING A REVIEWER REPORT



- The following sequence of procedures may be useful for preparing a reviewer report.
- – Begin
 - Review with a concise summary of the essential points of the paper both for the editor's use and to ensure that you have understood the work.
- - Next,
 - Evaluate the quality of the work.
 - Give evaluations and comments on each of the publication criteria by following the sections of the reviewer report form.
- Finally,
 - Provide an overall recommendation for or against publication.
 - Use the "Reviewer's remarks to the authors" section for providing comments and suggestions for the authors, and
 - the "Reviewer's confidential remarks to the editor" section for informing the editor of your opinion on the paper including confidential information relating to the paper evaluation.

TIPS FOR PREPARING A REVIEWER REPORT



In writing the report, you should pay attention to the following issues.

- For objective assessment of papers,
 - the reviewer is requested to identify not just negative points but also positive points of the paper.
 - Be specific about what is particularly interesting or good about the paper.
- Be specific in any criticism or recommendation.
 - If you recommend rejection of the paper, you must state the reason as clearly as possible.
 - When the paper does not provide any new information, evidence such as full references to earlier works must be provided.
- If you feel that the paper is insufficient for publication in its present form but may become publishable after improvement,
 - you are requested to provide constructive comments and suggestions that will be useful to the authors in improving the quality and presentation of their paper.

PRESENTATION CHECKLIST



- Title:
 - Is the title adequate for the content, informative, concise, and clear?
- Abstract:
 - Is it comprehensive by itself?
 - Is the important and essential information of the article included?
- References:
 - Are appropriate and adequate references to related works covered sufficiently in the list?
 - 30 references are recommended Regular Papers.
 - 20 references are recommended for Letters and short Communications.
- Structure and length:
 - Is the overall structure of the article well organized and well balanced?
 - Is the article written with the minimum length necessary for all relevant information?
- Logic:
 - Is the article written clearly and correctly? Is it logically consistent?
- **■** Figures and tables:
 - Are they essential and clearly presented?
- English:
 - Is the English used in the article readable and good enough to convey the scientific meaning correctly?

TITLE



Title - what is the paper broadly about?

> Reviewers will check whether the title is specific and whether it reflects the content of the manuscript.

Effective titles

- Identify the main issue of the paper
- Begin with the subject of the paper
- > Are accurate, unambiguous, specific and complete
- Are as short as possible
- Are as a label, not a sentence

EFFECTIVE TITLE



- Attract reader's attention
- Contain fewest possible words
- Adequately describe content
- Are informative but concise
- Identify main issue
- Should be LABEL, NOT A SENTENCE
- Do not use technical jargon and rarelyused abbreviations
- Do not use phrases

GOOD ABSTRACT



■Good Abstract

- State the objectives/ purposes of study (C)
- Scope of the research/ significance of study
- Describe the methodology used (C)
- Summarize most important results (c)
- Practical implications, and recommendation
- Avoid acronyms and mathematical symbols

Write a very strong abstract!

KEYWORDS



Keywords - mainly used for indexing

- > It is the label of manuscript.
- Avoid words with a broad meaning.
 E.g., the word "soil" in "Soil Biology & Biochemistry" should not be selected as a keyword.
- Only abbreviations firmly established in the field are eligible (e.g., DNA).
- Authors try to avoid compound words
- Are used by indexing and abstracting services
- Should be specific

KEYWORDS



- Usually included under the title or abstract.
- Should be three to six words, which headline the subject matter.
- There are very important but often added as after thought
- Must to be found in searches, read and cited.
- When check keywords, think about the subject matter and categories that might use in a literature search of this topic.

ORGANISING THE BODY OF YOUR REVIEW



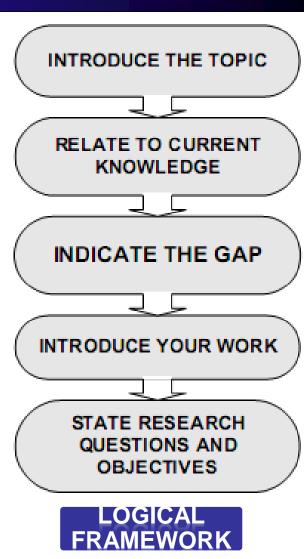
INTRODUCTION

- Does the author clearly define a research problem or topic?
- Is its significance explained?
- Are core issues or research variables identified?
- Is specialized terminology usefully defined?
- Does the author provide an adequate literature review?
- Does it discuss current research on the problem, and help to situate the author's own research?
- Are the research objectives clearly stated?
- Are hypotheses or specific research questions identified?

INTRODUCTION



- Clearly state the:
 - Problem being investigated
 - Background that explains the problem
 - Reasons for conducting the research
- Summarize relevant research to provide context
- State how work differs from published work
- Identify the questions are answering
- Explain what other findings, if any, are challenging or extending
- Briefly describe the experiment, hypothesis(es), research question(s); general experimental design or method
- Don't try to show readers that you have read everything
- Short



ORGANISING THE BODY OF YOUR REVIEW



METHODOLOGY

- Does the author clearly identify the research methodology and any associated limitations of the research design?
- Are participants described, including the method of sample selection if appropriate?
- Are instruments adequately described, including issues of appropriateness, validity and reliability?
- Do any evident biases or ethical considerations arise in relation to the methodology?
- Are the methods for measuring results clearly explained and appropriate?

ORGANIZATION AND CLARITY



Method:

- Does the author accurately explain how the data was collected?
- Is the design suitable for answering the question posed?
- Is there sufficient information present for you to replicate the research?
- Does the article identify the procedures followed?
- Are these ordered in a meaningful way?
- If the methods are new, are they explained in detail?
- Was the sampling appropriate?
- Have the equipment and materials been adequately described?
- Does make it clear what type of data was recorded;
- Author been precise in describing measurements?

ORGANISING THE BODY OF YOUR REVIEW



RESULTS

- Are the author's major findings clearly presented?
- Do they adequately address the stated research objectives?
- Are supporting data presented?
- Are tables, graphs or figures helpful and well integrated with the text?

ORGANIZATION AND CLARITY



Results:

- This is where the author/s should explain in words what he/she discovered in the research.
- It should be clearly laid out and in a logical sequence.
- You will need to consider if the appropriate analysis has been conducted.
- Are the statistics correct?
- If you are not comfortable with statistics, please advise the editor when you submit your report.
- Interpretation of results should not be included in this section.

RESULTS



RAW DATA ARE NEVER INCLUDED in scientific paper unless they are needed to GIVE EVIDENCE FOR SPECIFIC CONCLUSIONS or summation of the data

ANALYSIS EXPERIMENTAL DATA then present them in the FIGURE/TABLE and/or descriptions of the OBSERVATIONS

FIGURES ARE PREFERABLE TO TABLES and TABLES ARE PREFERABLE TO STRAIGHT TEXT

Present the converted data, MAKE A POINT CONCISELY and CLEARLY. The TABLE AND FIGURE SHOULD THEN BE PRESENTED, COMPLETE WITH TITLE.

RESULTS



Avoid EXCESSIVE PRESENTATION DATA/ RESULTS WITHOUT ANY DISCUSSION

Discuss how data COMPARE OR CONTRAST WITH PREVIOUS RESULTS

CITES EVERY ARGUMENT with previous work

Do NOT DRAW CONCLUSIONS in the results section

The most common mistakes in this section are the inclusion of UNNECESSARY DATA AND THEIR DOUBLE PRESENTATION

ORGANISING THE BODY OF YOUR REVIEW



DISCUSSION

- Do the research results validate the author's conclusions and/or recommendations?
- Are alternative conclusions and/or limitations of the research considered?
- Is there discussion of any variance between the author's research and prior research findings?
- Does the author's research suggest any direction for further research?
- Is the practical or theoretical significance of the research emphasized?
- Does the author recommend the revision of theory or practice in the field?

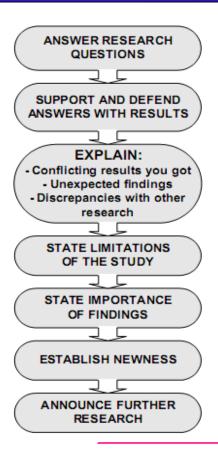
DISCUSSION- At a Glance



- What might it mean?
- What is an overall finding?
- What are the strengths and weaknesses of the study in relation to other studies?
- Why might we have got different results?
- What might the study mean?
- What questions remain unanswered and
- What next?

DISCUSSION





Answer RESEARCH QUESTION

Give SUMMARY OF FINDINGS

UNEXPECTED FINDINGS

Establish NEWNESS (NEW KNOWLEDGE)

Explain DISCREPANCIES

FURTHER RESEARCH AND IMPLICATIONS

CONCLUDING YOUR REVIEW



- Is the research timely and worthwhile?
- Is the research design appropriately inclusive and/or sensitive to the cultural context?
- Are you aware of any significant omissions or errors that might affect the validity or reliability of the research?
- Are the results original and significant?

CONCLUDING YOUR REVIEW



- Does the author provide fresh insight or stimulate needed discussion in the field?
- Is the article well structured?
- Are the sections of appropriate length?
- Do the author's style and language maintain interest and clarity?
- Is the presentation unbiased, objective and reasonable?
- Is the author respectful of participants and the work of other researchers?

CONCLUSION



Conclusions are NOT A WORDY SUMMARY of the study

It is **SHORT, CONCISE STATEMENTS** of the conclusions that you have made

It helps to organize these as SHORT NUMBERED PARAGRAPHS

Ordered from MOST TO LEAST IMPORTANT

All conclusions should be DIRECTLY RELATED TO THE RESEARCH QUESTION.

ACKNOWLEDGEMENT



 Should consider to acknowledge any help and assistance, such as research grant, scholarship, special permission, people who helped to review, comments, etc.

REFERENCES



- Relevant and recent
- Be highly selective
- Read the references
- Do not misquote
- Use correct style for journal



REVIEWERS' MOST COMMON CRITICISMS



Importance of the Topic

- Repeat of established facts
- Insignificant research question
- Irrelevant or unimportant topic
- Low reader interest (not up to date)
- Less relevance
- Not generalizable

REVIEWERS' MOST COMMON CRITICISMS



Study Design

- Poor experimental design
- Vague/inadequate method description
- Methods lack sufficient rigor
- Failure to account for confounders
- No control or improper control
- No hypothesis
- Biased protocol
- Small sample size
- Inappropriate statistical methods, or statistics not applied properly

REVIEWERS' MOST COMMON CRITICISMS



Overall Presentation of Study and Findings

- Poor organization
- Too long and verbose
- Failure to communicate clearly
- Poor grammar, syntax, or spelling
- Excessively self-promotional
- Poorly written abstract

CONCLUSION



THREE THINGS IN THE CONCLUSION SECTION

SUMMARIZES the **FINDINGS**

Summary of CONTRIBUTIONS

Future research (RECOMMENDATION FOR FUTURE WORK)

ORGANIZATION AND CLARITY



■ Tables, Figures, Images:

- Are they appropriate? Do they properly show the data?
- Are they easy to interpret and understand?

RESULTS



An example of an unreadable figure with the unnecessary usage of color

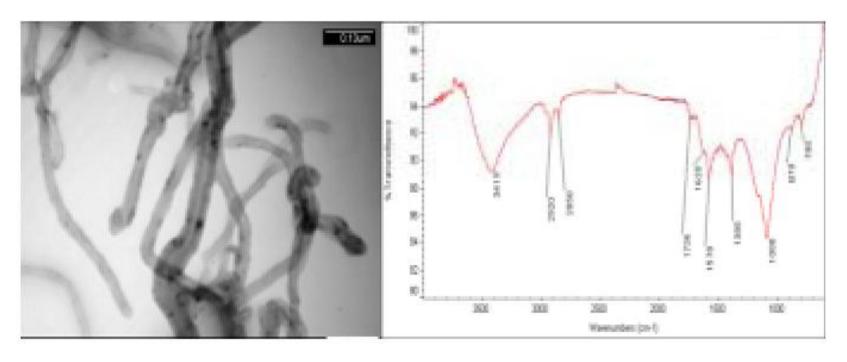


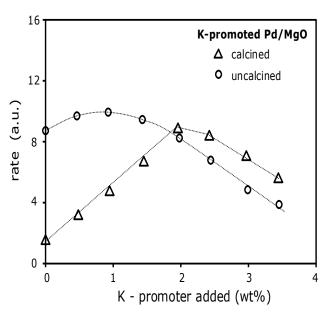
Fig.1 TEM image of purified MWNTs

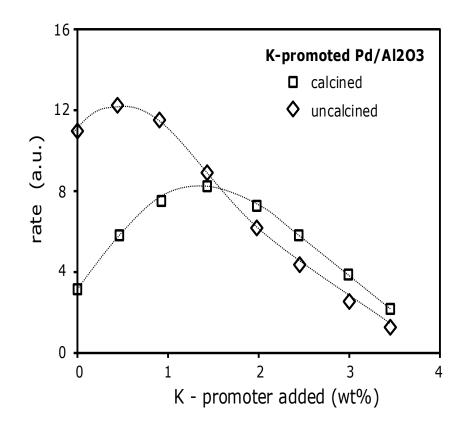
Fig.2 FTIR spectra of purified MWNTs

HIGH-QUALITY ILLUSTRATIONS









TABLES AND FIGURES CAPTIONS



- Each Tables and Figures is on a separate page
- Presents results of research
- Should be independent of text
- Titles should be specific
- Should be clear and include all units
- Should include some statistical understanding
 - Decimal places
 - Statistical analysis i.e. SD

RESULTS



Depth	Gravel	Sand	Mud
5 m	3,42%	81.41%	15,17%
50 m	2,5%	58.42%	39.08%
100 m	0,0%	32.5%	67.5%

Revision of the table



Water depth (m)	Gravel (%)	Sand (%)	Mud (%)
5	3.4	81.4	15.2
50	2.5	58.4	39.1
100	0	32.5	67.5

REVIEWERS CRITERIA



- Contribution to knowledge
- Innovativeness and originality
- Meets journal objectives
- Clarity of writing
- Use of literature
- Quality of arguments
- Research methodology and data analysis
- Research implications





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