

# PUBLICATION, ACADEMIC WRITING and WORKING IN TECHNICAL PAPER

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# Outline of Presentation

- ▶ Why do we publish our research ?
- ▶ Academic Writing
- ▶ Technical Paper
- ▶ How to publish in reputable (international) journal ?



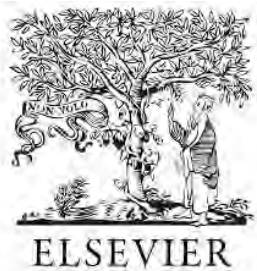
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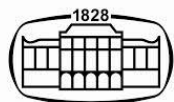
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European Journal of Scientific Research 32 (3), 314-328 6 2009

☐ Evaluation of the dynamic stiffness of pavement layer using sasw method  
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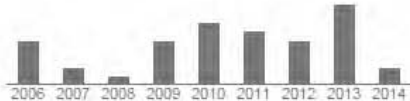
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Study of the relationship between stiffness parameters for base materials	Rosyidi, S.A.P., Abbiss, C.P., Nayan, K.A.M., (...), Chik, Z., Ismail, A.	2012	Proceedings of the Institution of Civil Engineers: Transport	2
Coupled procedure for elastic modulus and damping ratio measurement on pavement subgrade structures using surface wave method	Rosyidi, S.A.P., Taha, M.R.	2011	Geotechnical Special Publication	0

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# MEASUREMENTS OF THE ELASTIC MODULUS OF PAVEMENT SUBGRADE LAYERS USING THE SASW AND FWD TEST METHODS

Nur Izzi Md. Yusoff<sup>1</sup>, Sri  
Sri Aina  
<sup>1,2,3,4</sup>Dept of Civil and Structural  
Engineering, IN

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<sup>2</sup>amir@eng.utm.my

**Abstract.** In pavement management common techniques that are widely recently employed as an alternative of both dynamic non-destructive to measure a set of pavement was recently subsequently a phase spectrum was method, an experimental dispersion was then performed to produce a based on linear elastic theory. In it deflection data, based on a back-cal pavement layer can be obtained. It subgrade layer in existing pavement Wave method and the falling Weight A correlation of the elastic modulus

**Keywords:** pavement, elastic moduli



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Advanced Science Letters  
Vol. 4, 400-407, 2011

## Analysis of Digital Image using Pyramidal Gaussian Method to Detect Pavement Crack

Slamet Riyadi<sup>1</sup>

<sup>1</sup>Dept. Information Technology, Dept of

<sup>2</sup>Dept. Information Tec



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## 4th International Conference on Sustainable Future for Human Security, SistaN 2013 Lessons Learnt from the Energy Needs Assessment carried out for the Biogas Program for R

Sri Atmaja P. Rosyidi<sup>1,2,3,4</sup>, Tjasa Bole

<sup>1</sup>Department of Civil Engineering, Universitas Muhammadiyah Yogyakarta  
<sup>2</sup>Center for Regional Energy Management (C-REM)  
<sup>3</sup>Energy Research Center of the

### Abstract

This paper briefly presents the experience of the Center building and adoption of household biogas plants in rural been designed to solve specific energy provision problem ecological farming by using biogas digester as organic soil paper also points that realizing these goals would require implementation of biogas in developing countries. In addition, rural energy program and suggests a new approach to rural poverty and improve the living conditions of rural people

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Selection and peer-review under responsibility of the Scientific Committee (SC) of the 4th International Conference on Sustainable Future for Human Security (SistaN 2013) as co-hosts

**Keywords:** biogas, sustainable energy, needs assessment, energy

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E-mail address: [atmaja\\_sri@umy.ac.id](mailto:atmaja_sri@umy.ac.id)

## Briefing: Study of the relationship between stiffness parameters for base materials

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<sup>2</sup>Colin R. Abbas MS, PhD, Senior Lecturer, Department of Civil Engineering, The University of Queensland, Australia  
<sup>3</sup>Khalid A. M. Nayan MS, PhD, Lecturer, Department of Civil and Environmental Engineering, Universiti Kebangsaan Malaysia, Malaysia

The stiffness of the base layer is an important parameter for design support traffic loads. It is normally related to the California bearing ratio (CBR) method. It is introduced here as an in situ non-destructive dynamic cone penetrometer (DCP) value. They are found from stress with the dynamic properties of the pavement system. In this study, the velocity and dynamic stiffness of the SASW was found to correlate empirical correlation of CBR to dynamic stiffness in terms of elastic previously supported correlation. Preliminary analysis also indicates to predict the modulus of pavement base layer.

### 1. Introduction

In order to establish the structural capacity of existing roads, accurate information of the elastic modulus test technique of the various pavement layers are needed. These parameters are used to calculate the load capacity and to estimate the surface deflection under the stress of wheel loading in order to predict the performance, and to design the appropriate rehabilitation techniques.

The spectral analysis of surface wave (SASW) is a non-destructive test (NDT) method based on the dispersion of Rayleigh waves. It is used to determine the shear wave velocity, modulus and depth of each layer of the pavement profile. The SASW method has been utilized in different applications over the past decade after adjustment and improvement of the backscattered analysis technique (Jones, 1994) and developed by Nazarian and Sohrabi (1996). For practical purposes, there is an empirical correlation between the seismic parameter (i.e. shear wave velocity) produced by SASW and the conventional pavement assessment (i.e. the dynamic cone penetrometer (DCP) test) which is required to estimate assessment of the pavement condition.

Empirical correlation is obtained between shear wave velocity, from SASW and the DCP and with the California bearing ratio (CBR).

### 2. Research

The objective of this study is to establish the relationship between the stiffness parameters for base materials. A set of data generated by the SASW method is used to determine the shear wave velocity, modulus and depth of each layer of the pavement profile. The SASW method has been utilized in different applications over the past decade after adjustment and improvement of the backscattered analysis technique (Jones, 1994) and developed by Nazarian and Sohrabi (1996). For practical purposes, there is an empirical correlation between the seismic parameter (i.e. shear wave velocity) produced by SASW and the conventional pavement assessment (i.e. the dynamic cone penetrometer (DCP) test) which is required to estimate assessment of the pavement condition.



## Signal Reconstruction of Surface Waves on SASW Measurement Using Gaussian Derivative Wavelet Transform

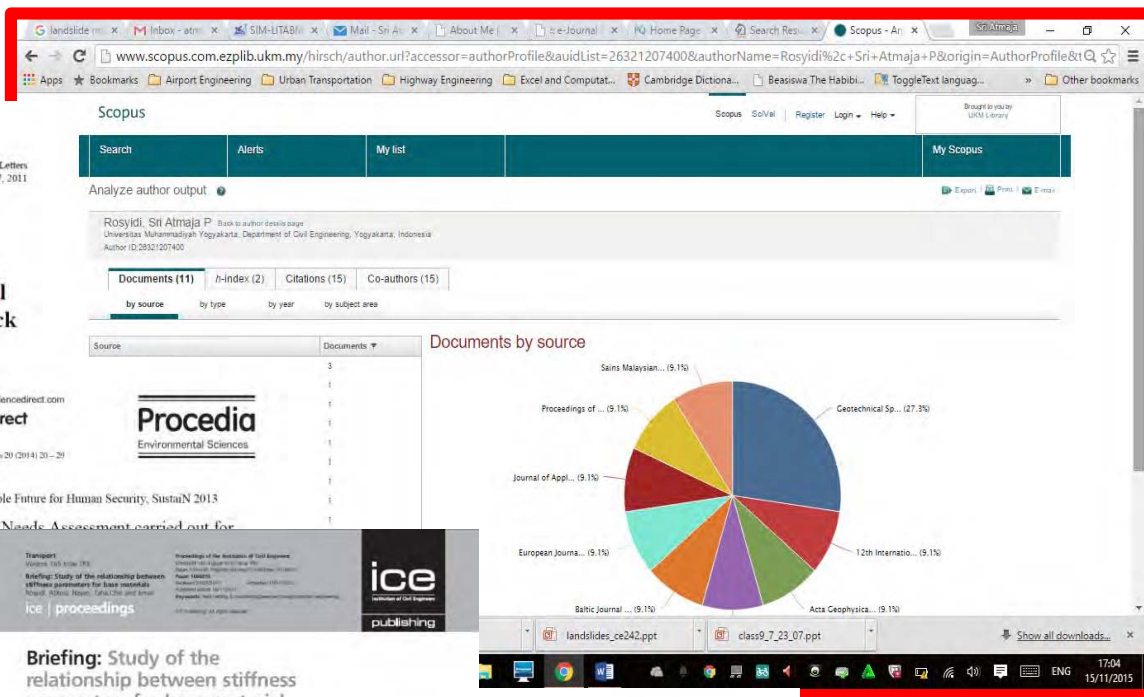
Sri Atmaja P. ROSYIDI<sup>1</sup>, Mohd Raihan TAHA<sup>2</sup>, Zamri CHIK<sup>3</sup>, and Annuddin ISMAIL<sup>4</sup>

<sup>1</sup>Department of Civil Engineering, Muhammadiyah University of Yogyakarta, Yogyakarta, Indonesia  
e-mail: [atmaja\\_sri@umy.ac.id](mailto:atmaja_sri@umy.ac.id) (corresponding author)

<sup>2</sup>Department of Civil and Structural Engineering, Universiti Kebangsaan Malaysia, Bangi, Malaysia  
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### Abstract

Surface wave method consists of measurement and processing of the dispersive Rayleigh waves recorded from two or more vertical transducers. The dispersive phase data are inverted and the shear wave velocity versus depth is obtained. However, in case of residual soil, the reliable phase spectrum curve is difficult to be produced. Noises from nature and other human-made sources disturb the generated surface wave data. In this paper, a continuous wavelet transform based on mother



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**Chapter 2** OPEN ACCESS

**Wavelet Spectrogram Analysis of Surface Wave Technique for Dynamic Soil Properties Measurement on Soft Marine Clay Site**

By Sri Atmaja P. Rosyidi and Mohd. Raihan Taha

DOI: 10.5772/27530

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Submission date: 04. August, 2011.  
Review date: 09. August, 2011.  
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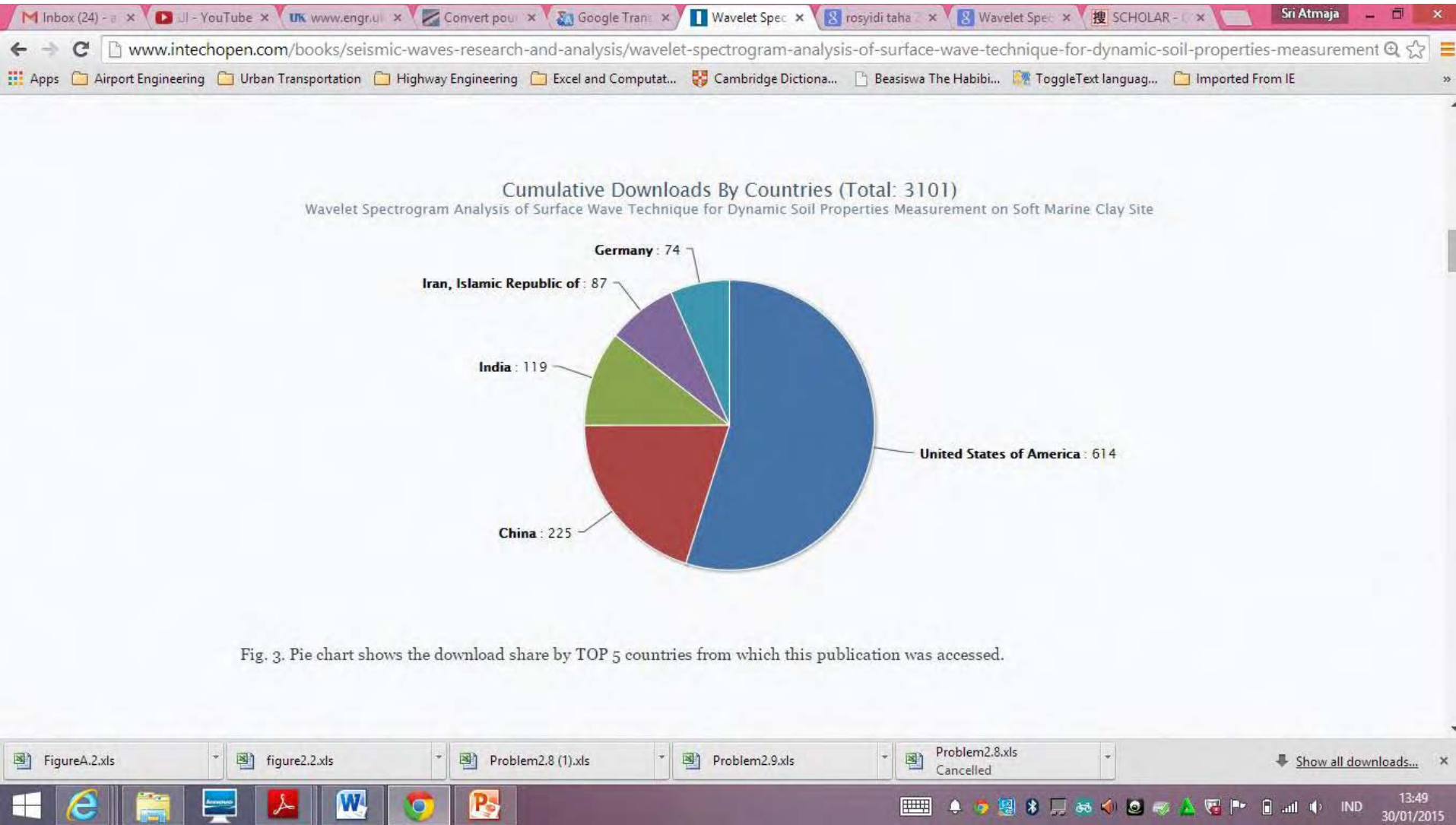
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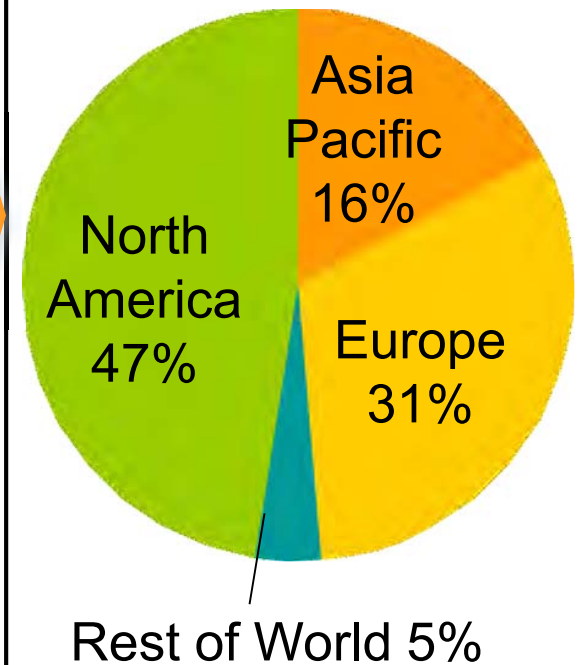
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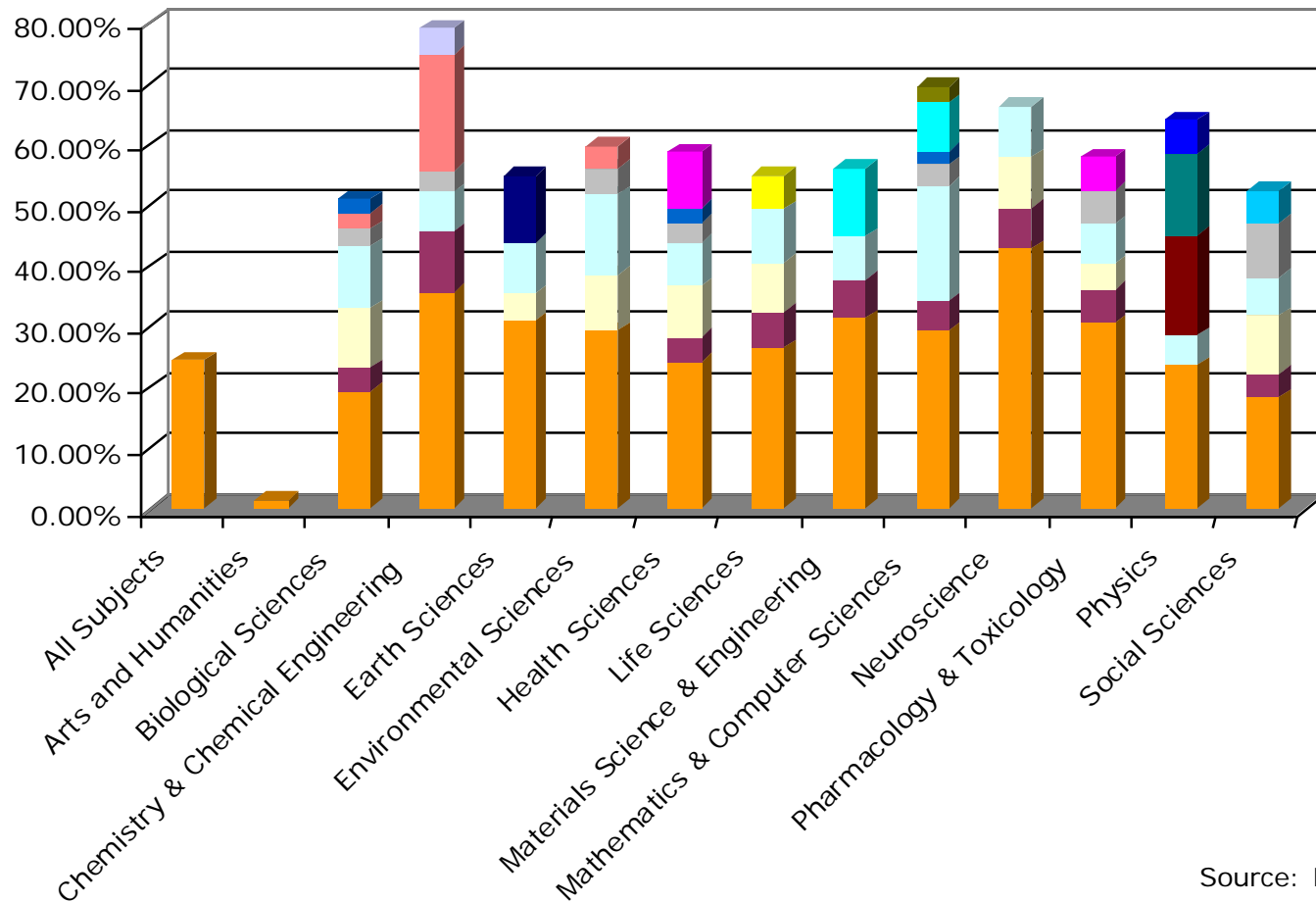
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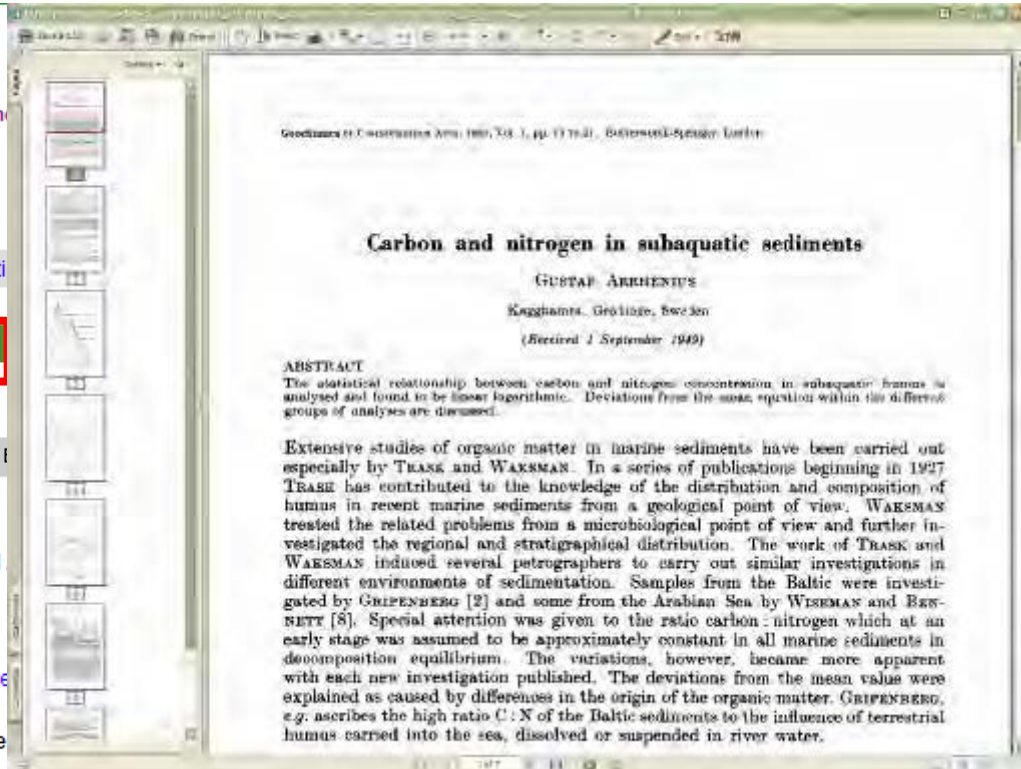
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Goodman et al. *Geochimica et Cosmochimica Acta*, 1950, Vol. 1, pp. 1-72. Butterworth-Heinemann, London

## Carbon and nitrogen in subaquatic sediments

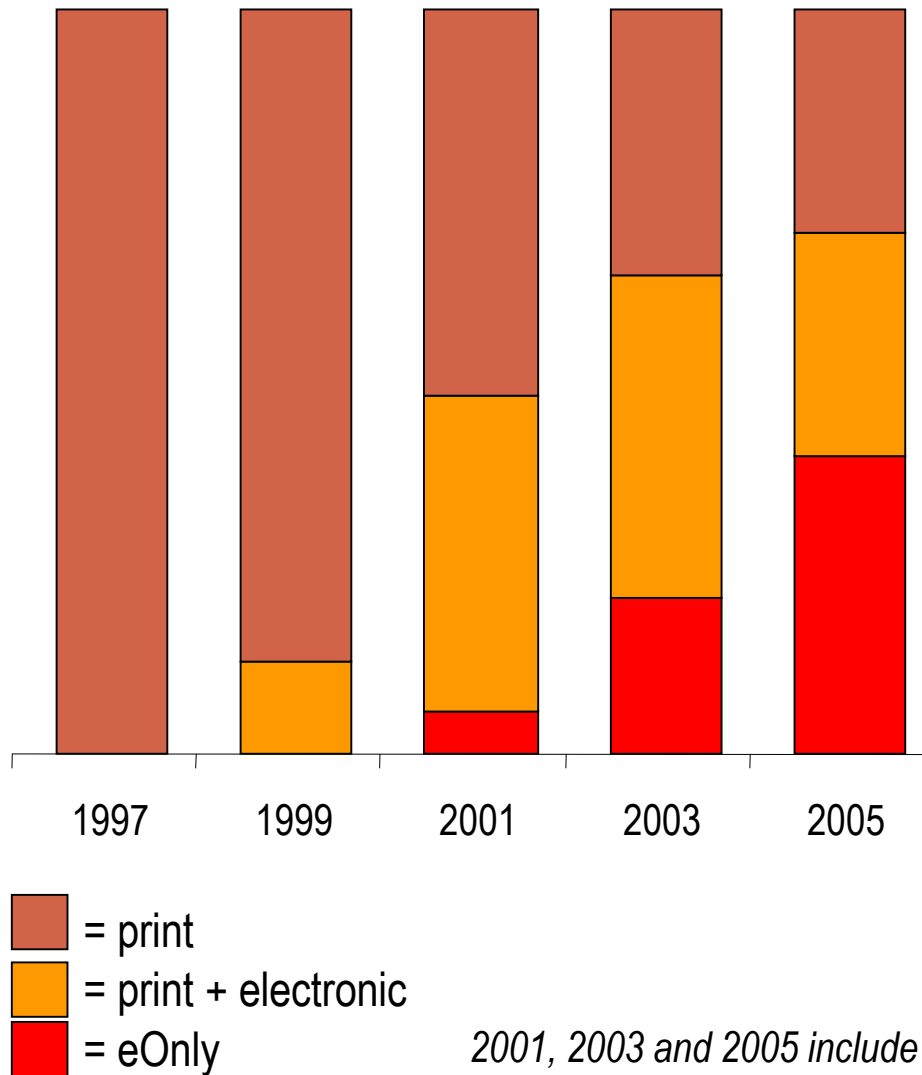
GUSTAF ARRHENIUS  
Kagghamta, Grödinge, Sweden  
(Received 1 September 1949)

**ABSTRACT**  
The statistical relationship between carbon and nitrogen concentration in subaquatic frames is analysed and found to be linear logarithmic. Deviations from the mean equation within the different groups of analyses are discussed.

Extensive studies of organic matter in marine sediments have been carried out especially by THAS and WAKSMAN. In a series of publications beginning in 1927 THAS has contributed to the knowledge of the distribution and composition of humus in recent marine sediments from a geological point of view. WAKSMAN treated the related problems from a microbiological point of view and further investigated the regional and stratigraphical distribution. The work of THAS and WAKSMAN induced several petrographers to carry out similar investigations in different environments of sedimentation. Samples from the Baltic were investigated by GRIFENBERG [2] and some from the Arabian Sea by WISEMAN and BENNETT [8]. Special attention was given to the ratio carbon:nitrogen which at an early stage was assumed to be approximately constant in all marine sediments in decomposition equilibrium. The variations, however, became more apparent with each new investigation published. The deviations from the mean value were explained as caused by differences in the origin of the organic matter. GRIFENBERG, e.g. ascribes the high ratio C:N of the Baltic sediments to the influence of terrestrial humus carried into the sea, dissolved or suspended in river water.



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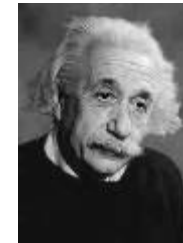
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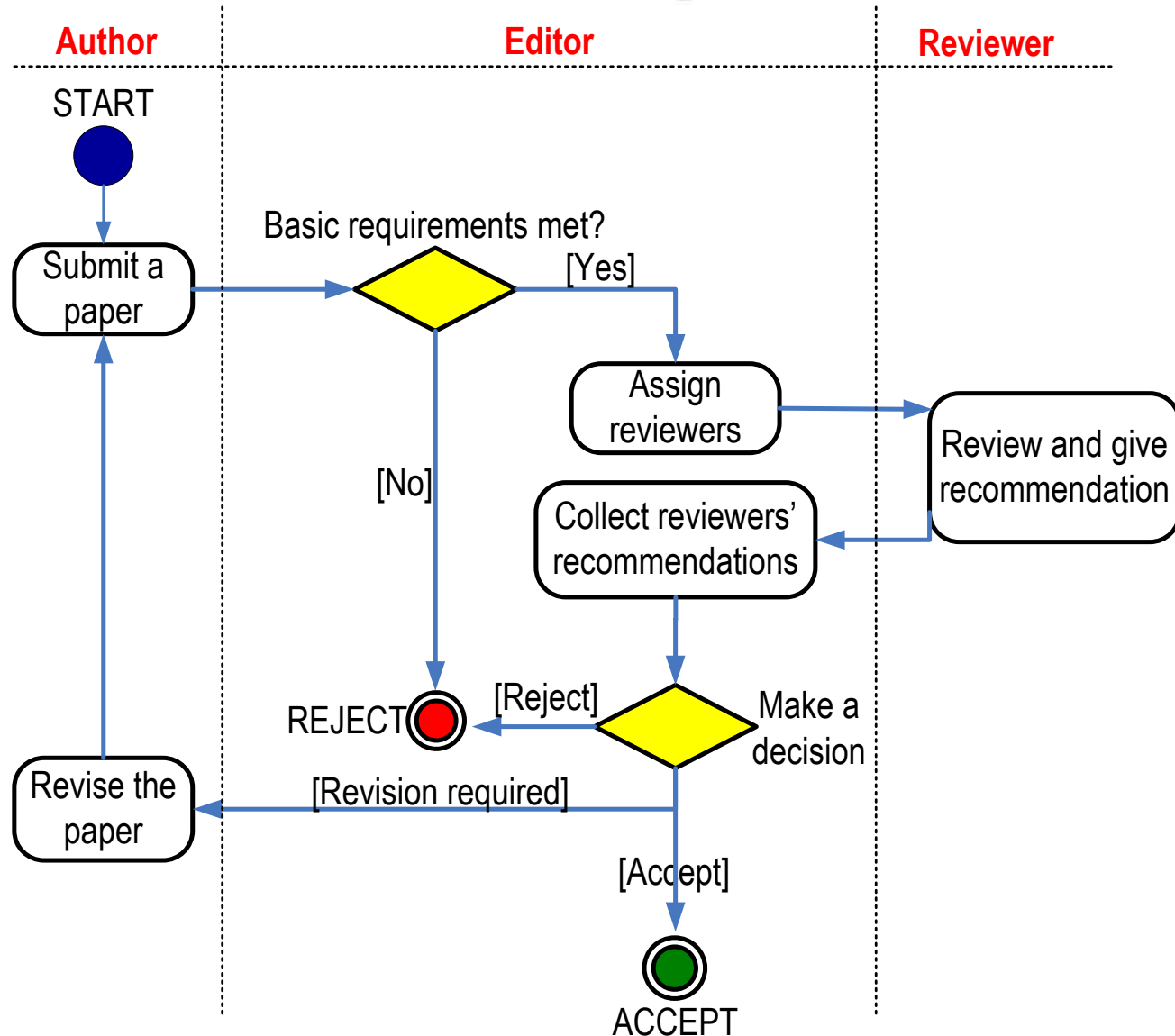
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- ▶ Decides on acceptance of each paper (may overrule reviewers)
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- ▶ Decides on journal policy (together with board and publisher): aims & scope, article types, reader- and authorship
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# **Academic Writing: The Need**



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“... kerjakan karya akademik yang pantut untuk dituliskan...”





# Academic writing

- ▶ Writing is an essential part of much academic work, including assessed work.
- ▶ The product of other study activities like research, note-making, reflection, goal setting.
- ▶ There are different purposes and types of writing but ...

all academic writing shares some features and writing processes.



# What is academic writing?

- ▶ Academic writing is formal and follows some standard conventions
- ▶ Each academic discipline has its own specialist vocabulary which you will be expected to learn and use in your own writing

**Note:** The following conventions are general guidelines for academic writing. Be sure to follow the specific requirements for each assignment.



# What is the point of academic writing?

- ▶ The substance of academic writing must be based on solid evidence and logical analysis, and presented as a concise, accurate argument.
- ▶ Academic writing can allow you to present your argument and analysis accurately and concisely.





# **How to write a technical paper and publish it**



# **Before you write a paper...**

1. Originality of your Idea
2. Type of Manuscript
3. Who is your audience
4. Choose the right journal
5. Author Guides





# **1. Check the originality of your idea at the very beginning of your research.**

- ▶ Have you done something new and interesting?
- ▶ Is there anything challenging in your work?
- ▶ Is the work directly related to a current hot topic?
- ▶ Have you provided solutions to any difficult problems?



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standard substance for the NCI by

p. 277

273

23 268



# Information You Need to Find the Answers (2)

20 Cited Documents <a href="#">save to list</a>			Citations												total
			<1998	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	subtotal	
<input type="checkbox"/> Delete		Total	<a href="#">541</a>	<a href="#">321</a>	<a href="#">301</a>	<a href="#">411</a>	<a href="#">406</a>	<a href="#">353</a>	<a href="#">356</a>	<a href="#">406</a>	<a href="#">443</a>	<a href="#">424</a>	<a href="#">402</a>	<a href="#">3823</a>	<a href="#">10</a>
1	<input type="checkbox"/>	1978 Oxidation of long-chain and rela...	<a href="#">138</a>	<a href="#">54</a>	<a href="#">53</a>	<a href="#">67</a>	<a href="#">41</a>	<a href="#">59</a>	<a href="#">47</a>	<a href="#">40</a>	<a href="#">40</a>	<a href="#">47</a>	<a href="#">40</a>	<a href="#">488</a>	<a href="#">1</a>
2	<input type="checkbox"/>	1999 From condensed lanthanide coordi...			<a href="#">2</a>	<a href="#">21</a>	<a href="#">29</a>	<a href="#">42</a>	<a href="#">48</a>	<a href="#">51</a>	<a href="#">52</a>	<a href="#">55</a>	<a href="#">45</a>	<a href="#">345</a>	
3	<input type="checkbox"/>	1997 Selective guest binding by tailo...	<a href="#">3</a>	<a href="#">20</a>	<a href="#">17</a>	<a href="#">27</a>	<a href="#">37</a>	<a href="#">35</a>	<a href="#">32</a>	<a href="#">52</a>	<a href="#">33</a>	<a href="#">40</a>	<a href="#">46</a>	<a href="#">339</a>	<a href="#">1</a>
4	<input type="checkbox"/>	1994 One-flask synthesis of meso-subs...	<a href="#">32</a>	<a href="#">17</a>	<a href="#">19</a>	<a href="#">30</a>	<a href="#">34</a>	<a href="#">19</a>	<a href="#">25</a>	<a href="#">21</a>	<a href="#">31</a>	<a href="#">23</a>	<a href="#">25</a>	<a href="#">244</a>	<a href="#">2</a>
5	<input type="checkbox"/>	1996 Ruthenium(II)-catalyzed asymmetr...	<a href="#">25</a>	<a href="#">13</a>	<a href="#">16</a>	<a href="#">24</a>	<a href="#">22</a>	<a href="#">23</a>	<a href="#">20</a>	<a href="#">36</a>	<a href="#">35</a>	<a href="#">36</a>	<a href="#">25</a>	<a href="#">250</a>	<a href="#">1</a>
6	<input type="checkbox"/>	1995 Synthesis, deprotection, analysi...	<a href="#">41</a>	<a href="#">30</a>	<a href="#">28</a>	<a href="#">40</a>	<a href="#">35</a>	<a href="#">24</a>	<a href="#">15</a>	<a href="#">14</a>	<a href="#">17</a>	<a href="#">15</a>	<a href="#">12</a>	<a href="#">230</a>	
7	<input type="checkbox"/>	1995 Development and evaluation of an...	<a href="#">23</a>	<a href="#">11</a>	<a href="#">19</a>	<a href="#">29</a>	<a href="#">19</a>	<a href="#">14</a>	<a href="#">21</a>	<a href="#">22</a>	<a href="#">27</a>	<a href="#">28</a>	<a href="#">31</a>	<a href="#">221</a>	<a href="#">1</a>
8	<input type="checkbox"/>	1975 Femtomole sensitive radioimmunoa...	<a href="#">74</a>	<a href="#">38</a>	<a href="#">31</a>	<a href="#">23</a>	<a href="#">20</a>	<a href="#">15</a>	<a href="#">10</a>	<a href="#">13</a>	<a href="#">8</a>	<a href="#">3</a>	<a href="#">7</a>	<a href="#">168</a>	
9	<input type="checkbox"/>	1996 Soluble synthetic multiporphyrin...	<a href="#">10</a>	<a href="#">20</a>	<a href="#">28</a>	<a href="#">35</a>	<a href="#">33</a>	<a href="#">13</a>	<a href="#">15</a>	<a href="#">16</a>	<a href="#">12</a>	<a href="#">13</a>	<a href="#">6</a>	<a href="#">191</a>	<a href="#">1</a>
10	<input type="checkbox"/>	1969 The chemistry of carbanions. XVI...	<a href="#">48</a>	<a href="#">22</a>	<a href="#">18</a>	<a href="#">14</a>	<a href="#">18</a>	<a href="#">8</a>	<a href="#">6</a>	<a href="#">12</a>	<a href="#">10</a>	<a href="#">12</a>	<a href="#">12</a>	<a href="#">132</a>	
11	<input type="checkbox"/>	2003 Solvent Compatibility of Poly(di...								<a href="#">20</a>	<a href="#">45</a>	<a href="#">54</a>	<a href="#">55</a>	<a href="#">174</a>	<a href="#">2</a>
12	<input type="checkbox"/>	1986 Practical synthesis of (R)- or (...)	<a href="#">28</a>	<a href="#">14</a>	<a href="#">16</a>	<a href="#">15</a>	<a href="#">14</a>	<a href="#">9</a>	<a href="#">28</a>	<a href="#">15</a>	<a href="#">15</a>	<a href="#">9</a>	<a href="#">9</a>	<a href="#">144</a>	
13	<input type="checkbox"/>	1995 Synthesis of ethyne-linked or bu...	<a href="#">19</a>	<a href="#">18</a>	<a href="#">15</a>	<a href="#">17</a>	<a href="#">20</a>	<a href="#">12</a>	<a href="#">7</a>	<a href="#">10</a>	<a href="#">13</a>	<a href="#">12</a>	<a href="#">14</a>	<a href="#">138</a>	
14	<input type="checkbox"/>	1983 Nucleic acid related compounds. ...	<a href="#">14</a>	<a href="#">7</a>	<a href="#">6</a>	<a href="#">17</a>	<a href="#">9</a>	<a href="#">10</a>	<a href="#">16</a>	<a href="#">14</a>	<a href="#">10</a>	<a href="#">12</a>	<a href="#">15</a>	<a href="#">116</a>	
15	<input type="checkbox"/>	1996 Synthesis, characterization, and...	<a href="#">4</a>	<a href="#">12</a>	<a href="#">9</a>	<a href="#">15</a>	<a href="#">15</a>	<a href="#">10</a>	<a href="#">10</a>	<a href="#">9</a>	<a href="#">22</a>	<a href="#">12</a>	<a href="#">8</a>	<a href="#">122</a>	<a href="#">1</a>
16	<input type="checkbox"/>	1995 Utility of organic bases for imp...	<a href="#">34</a>	<a href="#">15</a>	<a href="#">11</a>	<a href="#">9</a>	<a href="#">12</a>	<a href="#">8</a>	<a href="#">11</a>	<a href="#">9</a>	<a href="#">10</a>	<a href="#">2</a>	<a href="#">2</a>	<a href="#">89</a>	
17	<input type="checkbox"/>	2000 Heck reactions of iodobenzene an...				<a href="#">2</a>	<a href="#">14</a>	<a href="#">14</a>	<a href="#">10</a>	<a href="#">18</a>	<a href="#">23</a>	<a href="#">19</a>	<a href="#">22</a>	<a href="#">122</a>	
18	<input type="checkbox"/>	1999 Precise synthesis of monosubstit...				<a href="#">3</a>	<a href="#">10</a>	<a href="#">19</a>	<a href="#">14</a>	<a href="#">19</a>	<a href="#">16</a>	<a href="#">23</a>	<a href="#">17</a>	<a href="#">121</a>	
19	<input type="checkbox"/>	1993 A new synthesis of highly functi...	<a href="#">12</a>	<a href="#">16</a>	<a href="#">5</a>	<a href="#">11</a>	<a href="#">14</a>	<a href="#">8</a>	<a href="#">10</a>	<a href="#">13</a>	<a href="#">14</a>	<a href="#">9</a>	<a href="#">8</a>	<a href="#">108</a>	
20	<input type="checkbox"/>	1986 The odorant-sensitive adenylate	<a href="#">36</a>	<a href="#">14</a>	<a href="#">8</a>	<a href="#">12</a>	<a href="#">10</a>	<a href="#">11</a>	<a href="#">11</a>	<a href="#">2</a>	<a href="#">10</a>		<a href="#">3</a>	<a href="#">81</a>	



## 2. Decide the type of your manuscript

- ▶ Full articles/Original articles: the most important papers; often substantial, **completed** pieces of research that are of significance.
- ▶ Letters/Rapid Communications/Short communications: usually published for **quick and early** communication of significant and original advances; **much shorter** than full articles (usually strictly limited).
- ▶ Review papers/perspectives: **summarize** recent developments **on a specific topic**; highlight important points that have been **previously reported** and introduce no new information; often submitted **on invitation**.



### 3. Who is your Audience?

Topics of local or national relevance are sometimes not interesting for an international audience.

	Document (sort by relevance)	Author(s)	Date	Source Title	^ Cited B
1.	<input type="checkbox"/> Estimated surface-wave contributions to radar Doppler velocity measurements of the ocean surface <a href="#">Abstract + Refs</a> <a href="#">View at Publisher</a>	<a href="#">Gelpi, C.G.</a> , <a href="#">Norris, K.E.</a>	2003	<i>Remote Sensing of Environment</i> 87 (1), pp. 99-110	0
2.	<input type="checkbox"/> <b>Structure and inner</b> <b>Great Barrier Reef: A</b> <b>airborne sea surface</b> <a href="#">Abstract</a>	<a href="#">Burrage, D.M.</a> , <a href="#">Heron, M.L.</a> , <a href="#">Hacker, J.M.</a> , <a href="#">Miller, J.L.</a> , <a href="#">Stieglitz, T.C.</a> , <a href="#">Steinberg, C.R.</a> , <a href="#">Prytz, A.</a>	2003	<i>Remote Sensing of Environment</i> 85 (2), pp. 204-220	0
3.	<input type="checkbox"/> Linescan camera evaluation of SSM/I 85.5 GHz sea ice retrieval <a href="#">Abstract + Refs</a> <a href="#">View at Publisher</a> <a href="#">Full Text</a>	<a href="#">Garrity, C.</a> , <a href="#">Lubin, D.</a> , <a href="#">Kern, S.</a> , <a href="#">Pedersen, L.T.</a>	2002	<i>Remote Sensing of Environment</i> 83 (3), pp. 472-487	0
4.	<input type="checkbox"/> Airborne remote sensing of breaking waves <a href="#">Abstract + Refs</a> <a href="#">View at Publisher</a> <a href="#">Full Text</a>	<a href="#">Hwang, P.A.</a> , <a href="#">Wright, W.</a> , <a href="#">Krabill, W.B.</a> , <a href="#">Swift, R.N.</a>	2002	<i>Remote Sensing of Environment</i> 80 (1), pp. 65-75	0
5.	<input type="checkbox"/> <b>Sa</b> <b>herb near Taiwan</b> <a href="#">Abstract + Refs</a> <a href="#">View at Publisher</a> <a href="#">Full Text</a>	<a href="#">Chen, K.S.</a> , <a href="#">Wang, J.T.</a> , <a href="#">Mitnik, L.M.</a>	2001	<i>Remote Sensing of Environment</i> 75 (3), pp. 397-411	0
6.	<input type="checkbox"/> A simple physical model of vegetation reflectance for standardising optical satellite imagery <a href="#">Abstract + Refs</a> <a href="#">View at Publisher</a> <a href="#">Full Text</a>	<a href="#">Dymond, J.R.</a> , <a href="#">Shepherd, J.D.</a> , <a href="#">Qi, J.</a>	2001	<i>Remote Sensing of Environment</i> 75 (3), pp. 350-359	0
7.	<input type="checkbox"/> Educational outreach activities for Landsat-7 <a href="#">Abstract + Refs</a> <a href="#">View at Publisher</a> <a href="#">Full Text</a>	<a href="#">Merry, C.J.</a> , <a href="#">Stockman, S.</a>	2001	<i>Remote Sensing of Environment</i> 78 (1-2), pp. 217-220	0
8.	<input type="checkbox"/> OCTS-derived chlorophyll-a concentration and oceanic structure <b>coast of Japan</b> <a href="#">Abstract</a>	<a href="#">Yokouchi, K.</a> , <a href="#">Takeshi, K.</a> , <a href="#">Matsumoto, I.</a> , <a href="#">Fujiwara, G.</a> , <a href="#">Kawamura, H.</a> , <a href="#">Okuda, K.</a>	2000	<i>Remote Sensing of Environment</i> 73 (2), pp. 188-197	0
9.	<input type="checkbox"/> GOES-8 imagery as a new source of data to conduct ocean feature tracking	<a href="#">Breaker, L.C.</a> , <a href="#">Krasnopolsky, V.M.</a>	2000	<i>Remote Sensing of Environment</i> 73 (2), pp. ...	0



## 4. Choose the right journal

### ► Investigate all candidate journals to find out:

- Aims and scope
- Types of articles
- Readership
- Current hot topics (go through recent abstracts)

<http://www.sciencedirect.com/science/journal/10465928>

sevier.com/wps/find/journaldescription.cws\_home/622935/description#description

## PROTEIN EXPRESSION AND PURIFICATION

**Editor-in-Chief:**

**R.R. Burgess**

See [editorial board](#) for all editors information

### Description

Example

The power of modern molecular genetics to provide large quantities of proteins that were previously difficult to obtain has sparked an explosion of interest in both practical and theoretical aspects of protein purification.



*Protein Expression and Purification* is dedicated to providing a forum for information about protein isolation based on conventional fractionation as well as techniques employing various molecular biological procedures to increase protein expression.

The following types of articles are published:

- Original articles reporting novel or significantly improved isolations of highly purified proteins
- Procedures for expressing and isolating proteins from genetically engineered sources
- Novel or improved molecular biological methods for overexpression of specific proteins
- Review articles that describe and to the expression and purification

### Audience

Biochemists, biophysicists



# Choose the Right Journal/ Know your Competitors

**Refine Results** [\(\) Limit to](#) [X Exclude](#)

Source Title

- ☐ Journal of Organic Chemistry (505)
- ☐ Journal of the American Chemical Society (382)
- ☐ Tetrahedron Letters (221)
- ☐ Inorganic Chemistry (146)
- ☐ Tetrahedron (140)
- ☐ Bulletin of the Academy of Sciences of the USSR Division of Chemical Science (130)
- ☐ Journal of Chromatography A (129)
- ☐ Journal of Physical Chemistry (119)
- ☐ Journal of Pharmaceutical and Biomedical Analysis (114)
- ☐ Chemistry of Heterocyclic Compounds (113)
- ☐ Journal of Applied Polymer Science (99)
- ☐ Journal of Heterocyclic Chemistry (90)
- ☐ Synthetic Communications (88)
- ☐ Organometallics (85)
- ☐ Journal of Polymer Science Part A Polymer Chemistry (76)
- ☐ Macromolecules (75)
- ☐ Synthesis (75)
- ☐ Journal of Chromatography B Analytical Technologies in the Biomedical and Life Sciences (73)
- ☐ Journal of Chromatography B Biomedical Applications (70)
- ☐ Journal of Liquid Chromatography and Related Technologies (57)

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Author Name

- ☐ Ueda, M. (28)
- ☐ Knunyants, I.L. (27)
- ☐ Jones, P.G. (21)
- ☐ Furin, G.G. (20)
- ☐ Tabata, M. (20)
- ☐ Brown, H.C. (17)
- ☐ Yanagida, S. (17)
- ☐ Gorner, H. (17)
- ☐ Aboul-Enein, H.Y. (16)
- ☐ Endo, T. (16)
- ☐ Kricheldorf, H.R. (16)
- ☐ Reddy, C.S. (16)
- ☐ Raggi, M.A. (15)
- ☐ Reddy, C.D. (14)
- ☐ Schmutzler, R. (13)
- ☐ Cheburkov, Y.A. (13)
- ☐ Sone, T. (13)
- ☐ Hidai, M. (13)
- ☐ Sadahiro, Y. (12)
- ☐ Henderson, W. (12)

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Journal of Organic Chemistry published the most work in Triethylamine

Ueda, M. has published the most work in Triethylamine



# Know Your Competitors

Ueda, Mitsuru

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## Personal

Name	Ueda, Mitsuru		
Other formats	Ueda, Mitsuru UEDA, MITSURU Ueda, M.		
Author ID	7403944416		
Affiliation	University of Shizuoka, Department of Synthetic Organic and Medicinal Chemistry	Shizuoka	Japan

## Research

Documents	423	<a href="#">Add to list</a>	
References	2327		
Cited By	1702	<a href="#">Citation tracker</a>	
h Index	20	<a href="#">h-graph</a>	The h Index considers Scopus articles published after 1995.
Co-authors	150 (maximum 150 co-authors can be displayed)		
Web Search	6		
Subject Area	Materials Science Chemical Engineering Physics and Astronomy <a href="#">More...</a>		

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## History

Publication range	1974-2007		
Source history	<a href="#">Macromolecules</a>	<a href="#">documents</a>	
	<a href="#">Organic Letters</a>	<a href="#">documents</a>	
	<a href="#">Journal of Physical Organic Chemistry</a>	<a href="#">documents</a>	
	<a href="#">More...</a>		
Affiliation history	Tokyo Institute of Technology, Department of Organic and Polymeric Materials	Tokyo	Japan
	Matsushita Electric Industrial Co., Ltd, ULSI Process Technology Development Center	Kyoto	Japan
	National Institute of Advanced Industrial Science and Technology	Tokyo	Japan
	Hokkaido University, Division of Biological Sciences	Sapporo	Japan
	Jt. Res. Ctr. Prec. P.	Tsukuba	Japan
	Japan Chemical Innovation Institute, Jt. Res. Ctr. Prec. Polymerization	Tsukuba	Japan
	Yamagata University, Department of Materials Science	Yamagata	Japan
	National Institute of Materials and Chemical Research	Tsukuba	Japan



## 5. Read the 'Guide for Authors'! Again and again!

- ▶ Apply the Guide for Authors to your manuscript, even to the first draft (text layout, paper citation, nomenclature, figures and table, etc.). It will save your time, and the editor's.
- ▶ All editors hate wasting time on poorly prepared manuscripts.



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### TETRAHEDRON LETTERS

The International Journal for the Rapid Publication of all Preliminary Communications in Organic Chemistry

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See [editorial board](#) for all editors information

[2006 Tetrahedron Prize Awarded to Hisashi Yamamoto](#)

**Description**  
*Tetrahedron Letters* provides maximum dissemination of outstanding developments in organic chemistry. The journal is published weekly and covers developments in techniques, structures, methods and conclusions in experimental and theoretical organic chemistry. Rapid publication of timely and significant research results enables researchers from all over the world to transmit quickly their new contributions to large, international audiences.

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# Language Editing Services

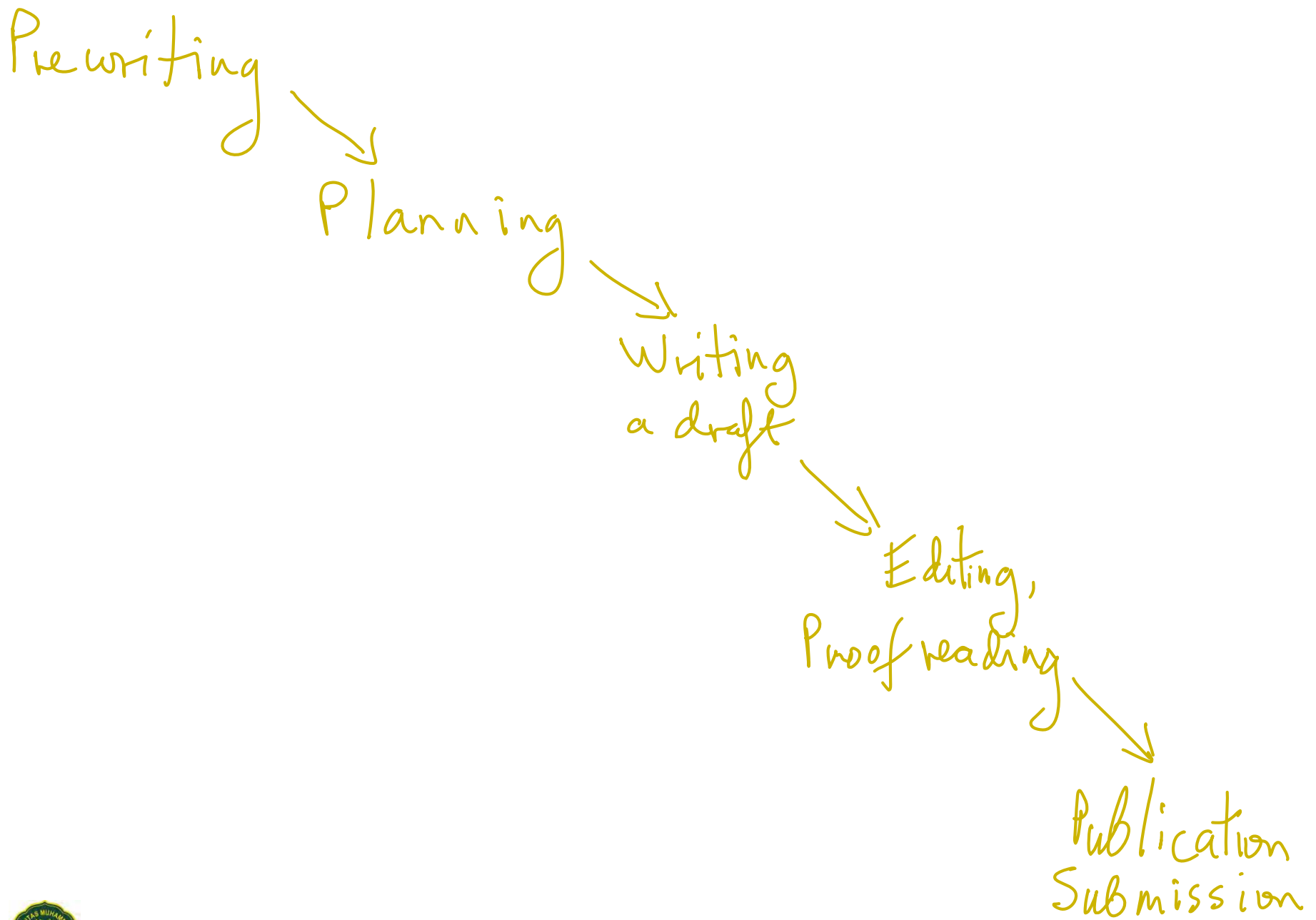
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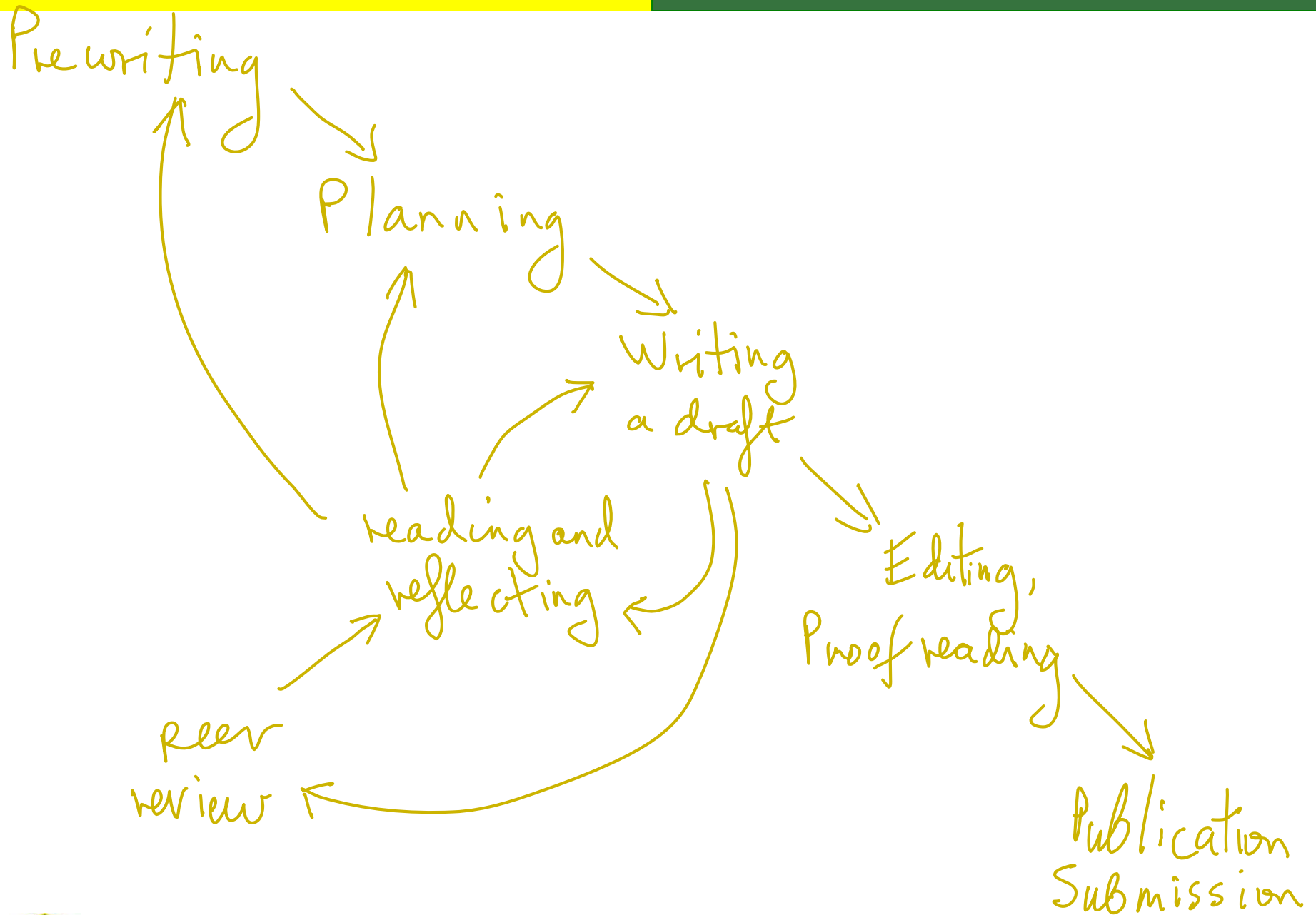




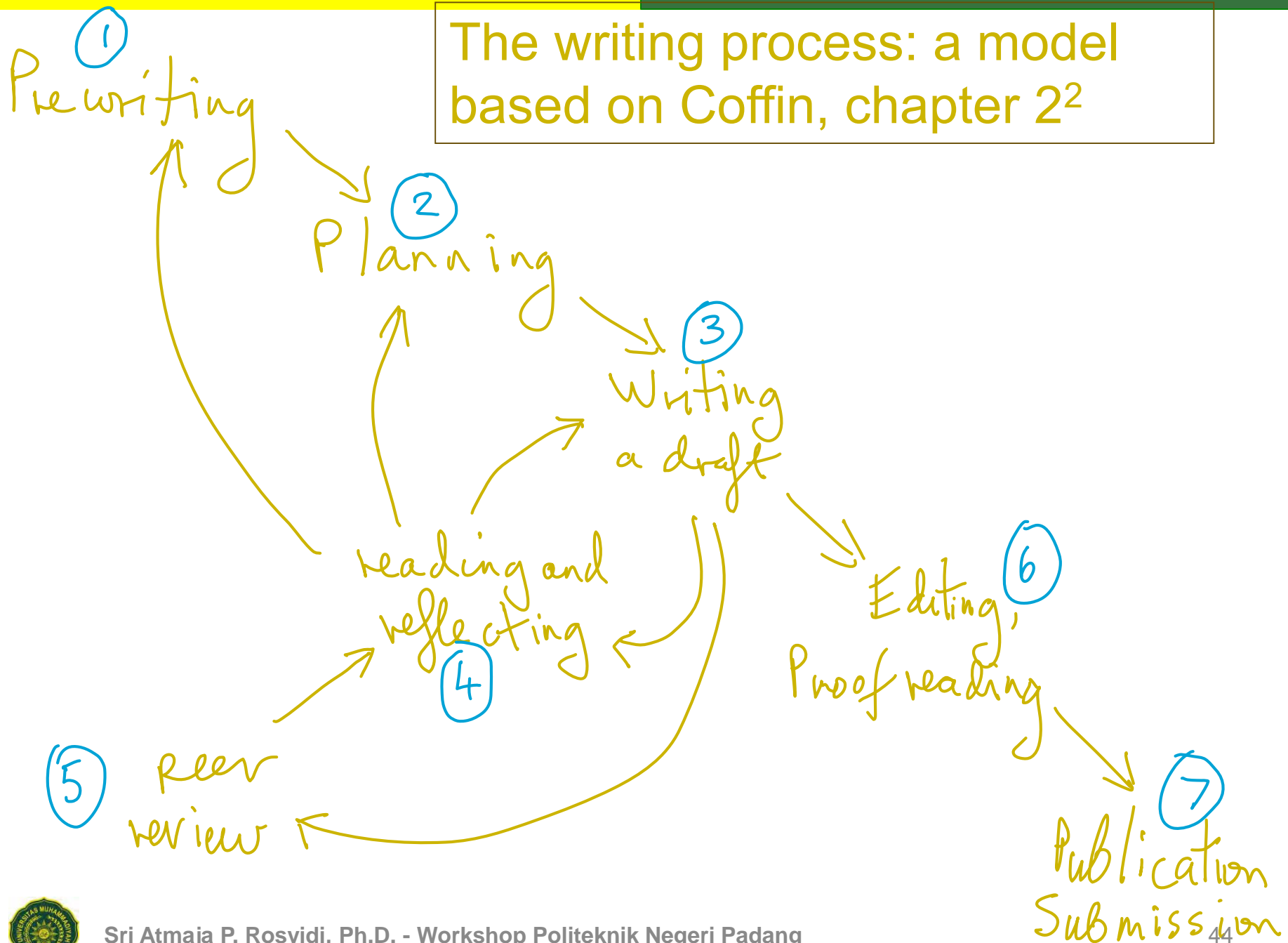


# **Process on writing a paper...**





# The writing process: a model based on Coffin, chapter 2<sup>2</sup>



# 1. Prewriting<sup>1</sup>

- ▶ To find something to write about
- ▶ Understand, generate ideas
- ▶ Research, read, discuss

Methods:

1. Brainstorming
2. Freewriting
3. Personal journal writing





# **The academic essay**

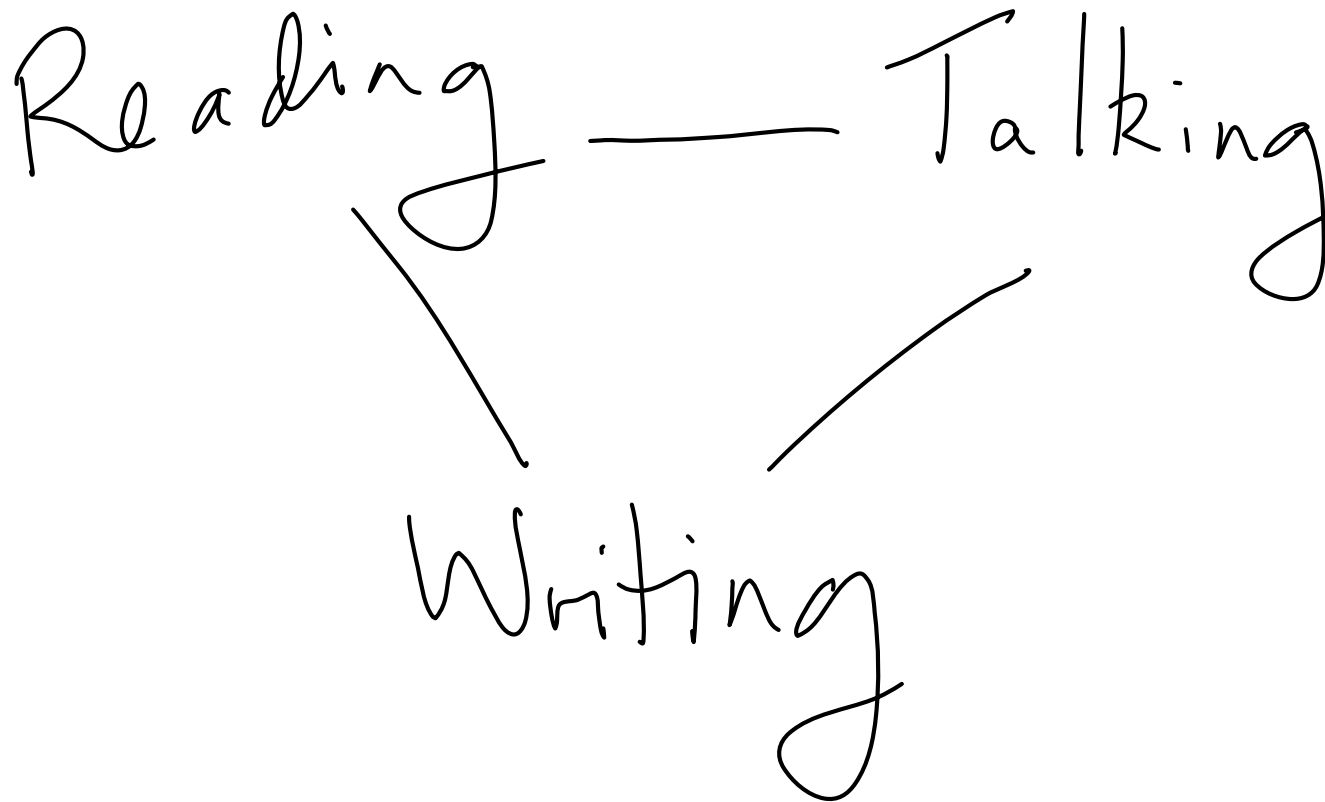
## **Research the topic**

Read the right

- ▶ Books
- ▶ Periodicals
- ▶ Internet



# Writing is not isolated



## 2. Planning

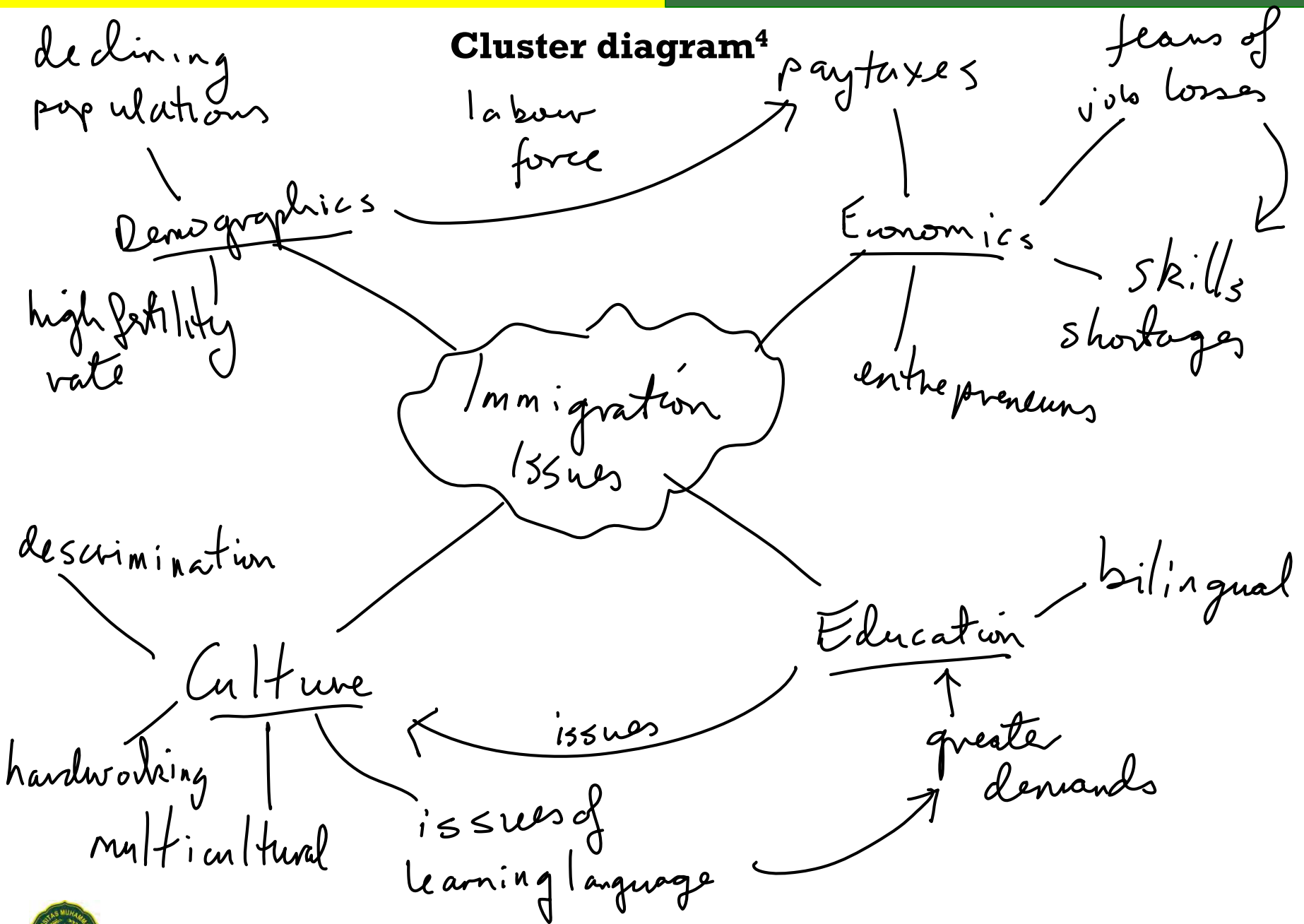
► To clarify, focus, organize

Methods include:

1. List
2. Graphic organizers: mind map, clustering
3. Outline view (essay plan).



## Cluster diagram<sup>4</sup>



# Outline

**Chapter 1. Introduction**

- 1.1. Why read this book
- 1.2. Blended learning
- 1.3. A framework
- 1.4. Information Technology skills
- 1.5. Further reading and resources

**Chapter 2. Face-to-face presentations**

- 2.1. Lectures
- 2.2. Visual displays
  - Blackboard, whiteboard
  - Overhead projector
  - Digital projector
  - Visualizer
  - Interactive whiteboard
  - Multimedia
  - Other devices
- 2.3. Software and creating content
  - Presentation software
  - Mind maps
  - Creating multimedia content
  - Copyright and intellectual property
- 2.4. Handouts
- 2.5. Further reading and resources

**Chapter 3. Offline learning activity and interactivity**

- 3.1. Tools for individual activity
- 3.2. Student group work
- 3.3. Interactive lectures and seminars
- 3.4. Offline teacher assessment
- 3.5. Peer and self assessment

Page 1    Sec 1    1/39    At 1.9cm    Ln 1    Col 1    REC TRK EXT OVR    English (U.S.)





## 3. and 4. Drafting and revision

- ▶ Whatever your process, good writing takes
  - ▶ Time
  - ▶ Work
  - ▶ Revisions.
- ▶ Revisions can be made on the word processor screen or on paper.
- ▶ Leave time for revisions.



# Revision example

How to edit a digital image by software

Now you can edit the image to improve it and also reduce its file size to what is necessary for the quality you need for display. For that, you need image editing software such as Paint Shop Pro (or many others). Editing usually involves: cropping the edges to show what is important in the image as large as possible in the final image; adjusting the colour balance, brightness and contrast for clarity; and reducing the image size (in pixels) and the number of colours per pixel (colour depth) so that the file is much smaller. Then it can be imported (rather than pasted) into a document or slide, and positioned for final use.

In recent versions of Word or PowerPoint it is possible, and easier, to import an original image file and do the editing there with similar results, although the final file size of your document or presentation may be larger.

Images are stored in files of different types (different internal formats) with different names and file extensions (the three or four letters after the dot at the right). Some types of files store some types of images better. All of them "compress" the data to different degrees to reduce the file size. The commonest are:

- JPEG (pronounced *jay-peg*) or *jpg* file good for photographs. You can choose how small you want the file to be by progressively losing detail in the image, but you can halve the file without any noticeable effect.
- GIF (pronounced *gift*, not *ajif*) or *gif* file good for diagrams with few colours and simple shapes or text.
- PNG (pronounced *pong* or *pong*) or *png* file for other types of images.

If you only want to show digital images, you do not need to incorporate them into PowerPoint or another type of document to display them. Software such as IrfanView will do that from the original files.

If you have 35mm slides, you may be able to find teaching rooms with projectors for them for a while longer, but in the long run it will be easier to have them scanned to digital images and display them digitally.

A similar process is needed for presenting audio (playing sounds). If you have audio tape original you may be able to play it directly, to embed it in a digital presentation we go through the same three steps. To capture a digital version, connect a microphone input from an audio player to the microphone input on a PC. If your PC has a "line in" plug you can connect that to "line out" from an audio player or amplifier. A built-in accessory like MS Windows Sound Recorder will capture the sound. It will also capture conversations or other live sounds through a microphone directly to your PC (desktop or laptop). Place the microphone as far from the computer as possible to reduce background noise, and make the recording in a quiet place.

Windows Sound Recorder also allows simple editing of digital sound: copying and pasting and increasing the volume of the data in the file. To improve the sound in other ways, such as removing background noise, removing sections or starting and ending the recording neatly ("trim and cut"), you will need sound editing software, for example, Audacity.

As with images, you can save the file in different formats and with different quality files. Windows native file format is *wav* (wave) but a good, general purpose, file type that creates smaller files is *MPEG* (pronounced *em-peg*). Whereas with images the file size was determined by the image size in pixels and the colour depth, with audio it is determined by the time, length of the clip, the frequency of sampling (e.g. 22 kHz), the bit-depth of the sampling (8 or 16), and whether it is mono or stereo. For many purposes, "Radio quality" (8 bit mono, at 22 kHz) is adequate and this generates 21 Kb of file per second of sound, improving the quality of the sound creates much larger files. You rarely need the best, CD quality, sound, unless it is music you are playing, but the quality of the sound is not always a problem.

Incorporating the sound into PowerPoint or Word is simple. Inserting the file into a document produces a icon which plays the sound when it is clicked, or when the slide is shown.

Video capture and editing require understanding of hardware, software, and expertise. If you have video or video tape you are best using a VCR while they are still available. Your institution's educational technology unit may be able to help you with this. On the other hand, if you wish to make new video clips, a digital video recorder is simple to use. You can download the video straight into a PC using, for example, a Firewire or IEEE 1394 cable. MS Windows XP, for example, includes simple video editing software (MS Movie Maker) that allows you to add titles and transitions between a number of clips. It will save your video in the compressed Windows Media Video (wmv) format that you can play back in Media Player on a Windows PC. Video clips are very large files. A short clip of 12 seconds at 25 frames per second and 320 by 240 pixels (about a third of the screen width) is 34 Megabytes in size. An uncompressed video, stored as .mpg it was 811 Kbytes and as .wmv it was 635 Kbytes. A longer clip of 2 minutes of the same quality was over 5 Mb when compressed as a .wmv file. Large files take a long time to edit, process and store, so it is best left to experts with better equipment and software.

Windows Movie Maker can also capture uncompressed sound (wav in Windows) and store them as compressed .wmv files.

## Copyright and intellectual property

Intellectual property includes copyright, patents and trade marks. Copyright is legal ownership of a work. All original written or recorded material automatically has copyright. It is the right of the creator of literary, dramatic, artistic, musical works, website material, computer programs, and films, and 50 years for sound recordings and broadcasts. Within those periods you cannot legally make copies (paper or electronic) for commercial purposes without permission of the copyright owner (CPA 1988). However, you can make single copies for private research or study, or review. How can you give paper copies of copyright material to students? Universities in the UK pay for licences with the Copyright Licensing Agency (CLA) to make copies for educational purposes. Your library or information services will have details of this, but it is not likely to cause you a problem with normal practice. If you want to make and use a digital copy of a work, permission is more complex (see the CLA web site).

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Separate legal rights is the "moral" right to be acknowledged as the author of a work, whether paper or electronic. Unlike copyright, this right does have to be asserted and the law offers some protection over your authorship. However, you do not legally have the right of authorship for work created during employment - your employer does. In practice, universities generally waive that right in some circumstances (e.g. research papers), but arrangements vary so you should check your local arrangement. This issue has sharpened since teachers have been placing their teaching materials in institutional web sites (e.g. VLEs) whereas paper copies were probably kept locally. Your employer always has the right to material, unless it was not that right, but in practice this is not a problem.

Your institution may have a policy in favour of making teaching materials public on the Web, or not. If you have discretion over your own materials, you must make the possible



this is not a recommendation. PowerPoint and digital projectors are not necessary to each other. When making a presentation, you can display screens (slides) of information written in a word processor or as a web page. Conversely you can use PowerPoint to create an acetate for an OHP. Nevertheless, there are *conveniences* when using the two together.

- PowerPoint slides are the right shape (3 by 4) for current projectors (XGA) or automatically adapt slides with a different original shape.
- In an "on-screen presentation" you can control the display of slides, navigating forwards, backwards and to any other slide.
- In later versions you can add handwritten annotations (a digital "ink" to slides) to add some spontaneity, although you will need a pointing device like a stylus or interactive whiteboard, rather than a mouse, to handwrite anything readable.
- You can put hypertext links into slides to show web sites or other documents.
- The ease with which digital photographic images, sounds and video can be incorporated into slides.
- Simple animations are not too difficult: like building a diagram from its components or labeling parts of a photograph.

#### Advantages of PowerPoint include:

- The structure of slides and lines (bullets) automatically creates a hierarchy of information "sites" that often helps students organize the information.
- Consistency of layout, fonts, colours and so on, helps students concentrate on the content, not the design.
- Automatic features such as slide numbering, headers and footers provide navigation information.
- You can copy and paste information from other documents like web pages or word processor documents.
- The same information can be presented with minimal effort in multiple ways: slide, handout, web page, outline document.
- The Outline view can be helpful for planning or pasting.
- The Notes view allows you to keep your own notes attached to slides and print them together.
- Master views enable you to create and change layouts and other features of whole presentations at a single action.
- Automatic numbering of lines on a slide is often more helpful than bullets.

On the other hand, there are pitfalls:

- The hierarchy of slides and bullets can distort the natural structure of a subject where, say, narrative or debate would be more appropriate.
- The ready-made slide templates or "themes" are unsuitable for educational purposes; they reduce readability, are distracting and can be print/photocopy badly.
- Ready-made templates have smaller fonts for sub-bullets, but the students still need to be able to read that information - change them in the slide master view.
- Slide animation of text at the level of lines, bullet point or email is irritating for the audience and makes live navigation of an on-screen presentation a nightmare for you.

Good design is partly a personal preference but some good principles include:

- Avoid textured or photographic backgrounds, bright colours, multiple or fancy font faces. They all reduce readability.
- Black text on a pale coloured background, or white text on a dark colour, gives good readability.
- Don't put too much information on one slide: a few main points will help students to structure their understanding.

Most lecture displays should be an aid for presenting information in a clear, organized, engaging, and memorable way. Death by PowerPoint is no worse for the audience than death by acetate or death by dictation. Listening to a presenter slavishly reading the displayed slides is as tedious as presentations can be, but it is not a condemnation of the technology but of the presenter. Displays can also be used to present source documents, images and so on, but students will then also need access to these as handouts or web content.

#### Mind maps

Mind maps are diagrams showing the relationships between concepts. They are often a hierarchy rearranged into a concentric diagram. They are valuable as graphical organizers, giving an overview of a subject. They show the relationships between concepts rather than the detail of concepts. Some students take notes as mind maps and will appreciate one of your course or lecture.

Although hand-drawn mind maps are richer in detail and better for learning when drawing your own (Buran 1993), for most of us drawing one by hand is time consuming and the product is messy as a course document. Software packages are available. For example, figure 11 is a mind map of this book drawn with MindGenius. The software created it automatically when I opened the MS Word document of this book, extracting its chapter and section headings as the nodes in the map.

#### Creating multimedia content

You probably know how to produce text for a presentation using MS Word or PowerPoint (or their equivalents) - if not, going on a training course. However, presenting images, audio or video gives us different problems. In principle the process is the same:

1. we need an original source
2. we edit it to correct mistakes, improve its appearance, and make it appropriate for use
3. we embed it into the final document that students will see.

With text, the source is our own knowledge, or an existing source we are copying; editing for sense and for appearance can be done in Word or PowerPoint, and it can be displayed in a slide or document directly with a digital projector or printed onto an acetate for an OHP.

With an image, the initial source can be print or digital. A print can be displayed directly on a visualizer, or photocopied onto acetate for an OHP. But if you want to incorporate it into a computer presentation, it can be scanned on a flat bed scanner, to produce a digital equivalent in a computer file. (If no scanner is available, a digital camera is a poorer alternative.) Good advice is to make this first digital version as high quality as you could ever need, so that you never have to scan the print again, as long as you have the disk storage space available. Modern scanners produce images of greater quality and detail than you can display on a digital projector, or on ordinary office printers.

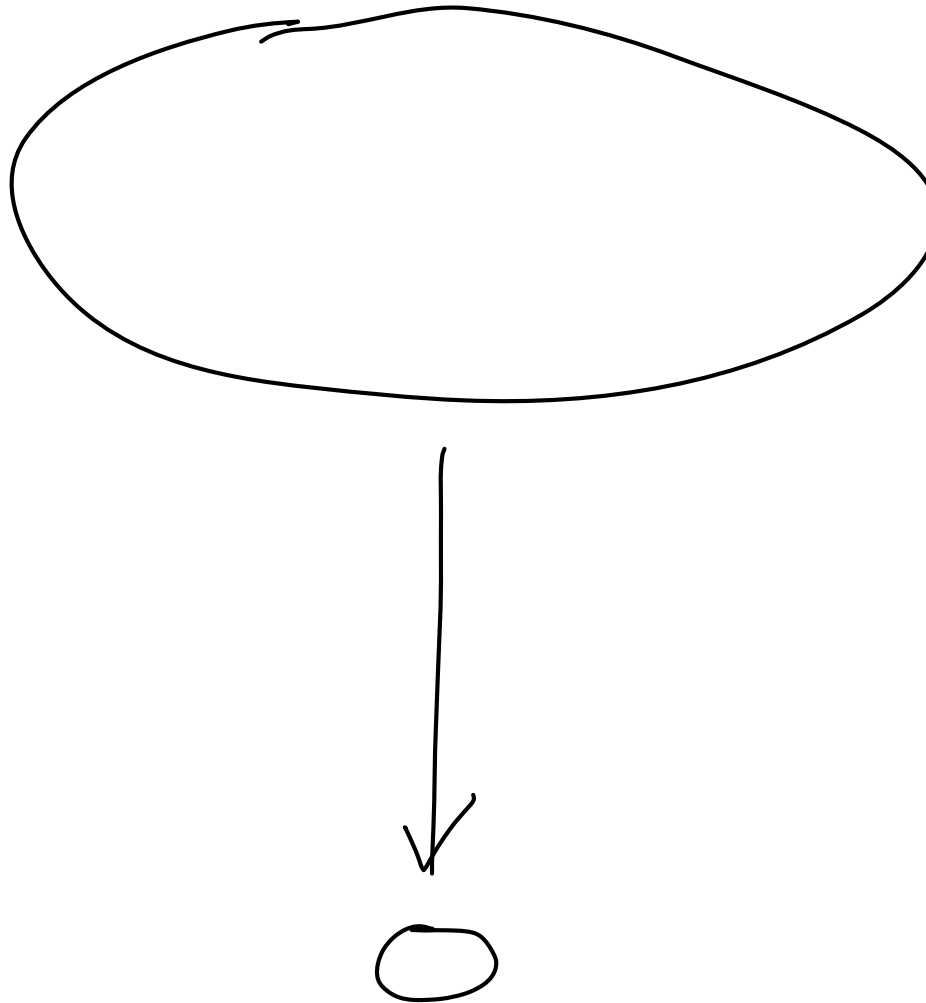
If you are going to create your own original images, a digital camera is convenient. The final image quality is generally more affected by the quality of the lens than the number of millions of pixels (megapixels) in the image the camera can produce. Normal digital projectors (XGA) display much less than 1 megapixel, so a modest number of megapixels in a camera will do if its optics are reasonable. You can then download the original images from the camera into a PC, for example with a USB cable.



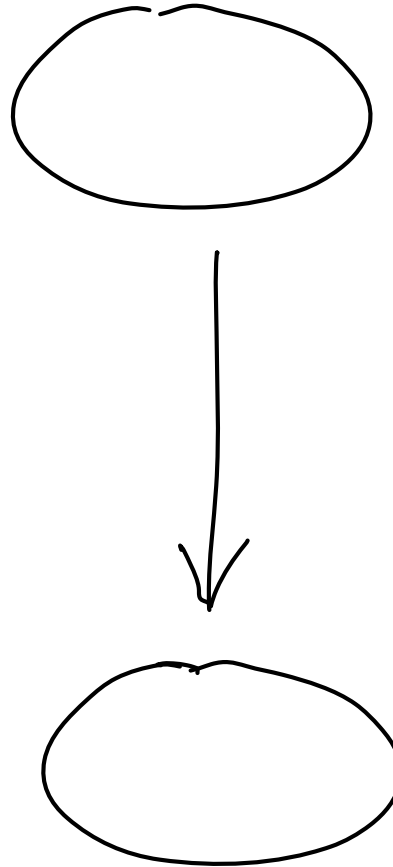
# Elements of writing

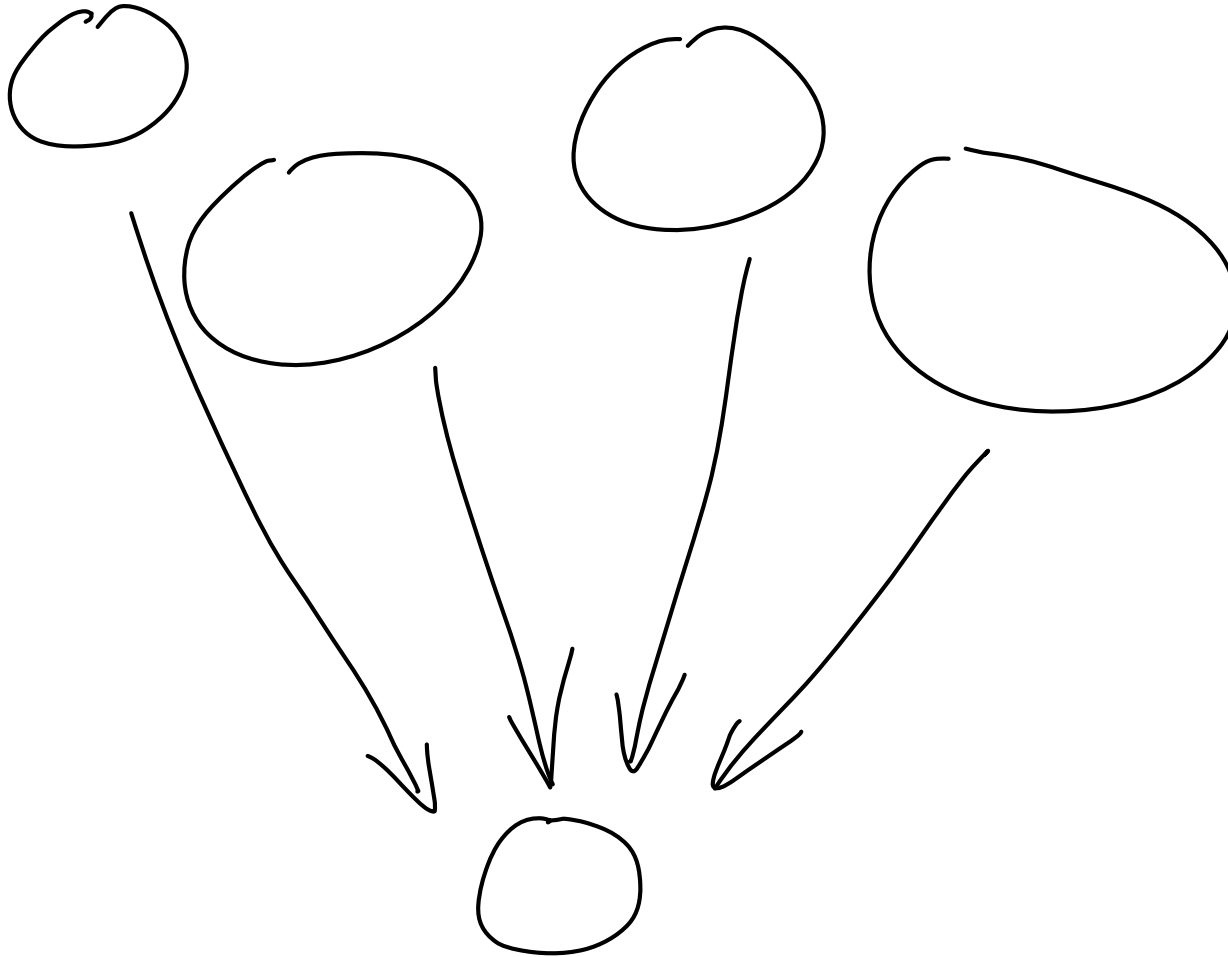
- ▶ Summarize
- ▶ Paraphrase
- ▶ Synthesize
- ▶ Analyze
- ▶ Evaluate

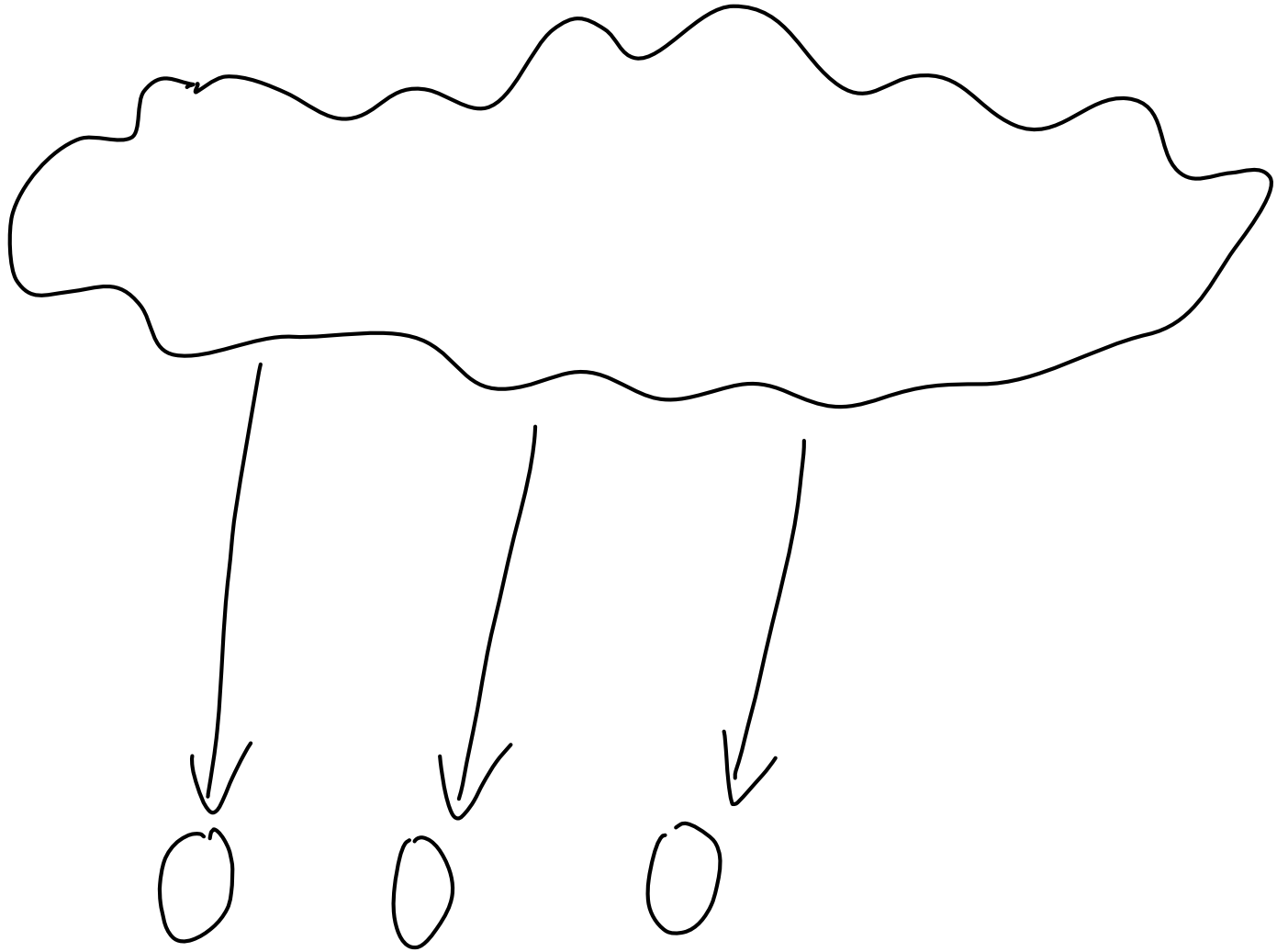


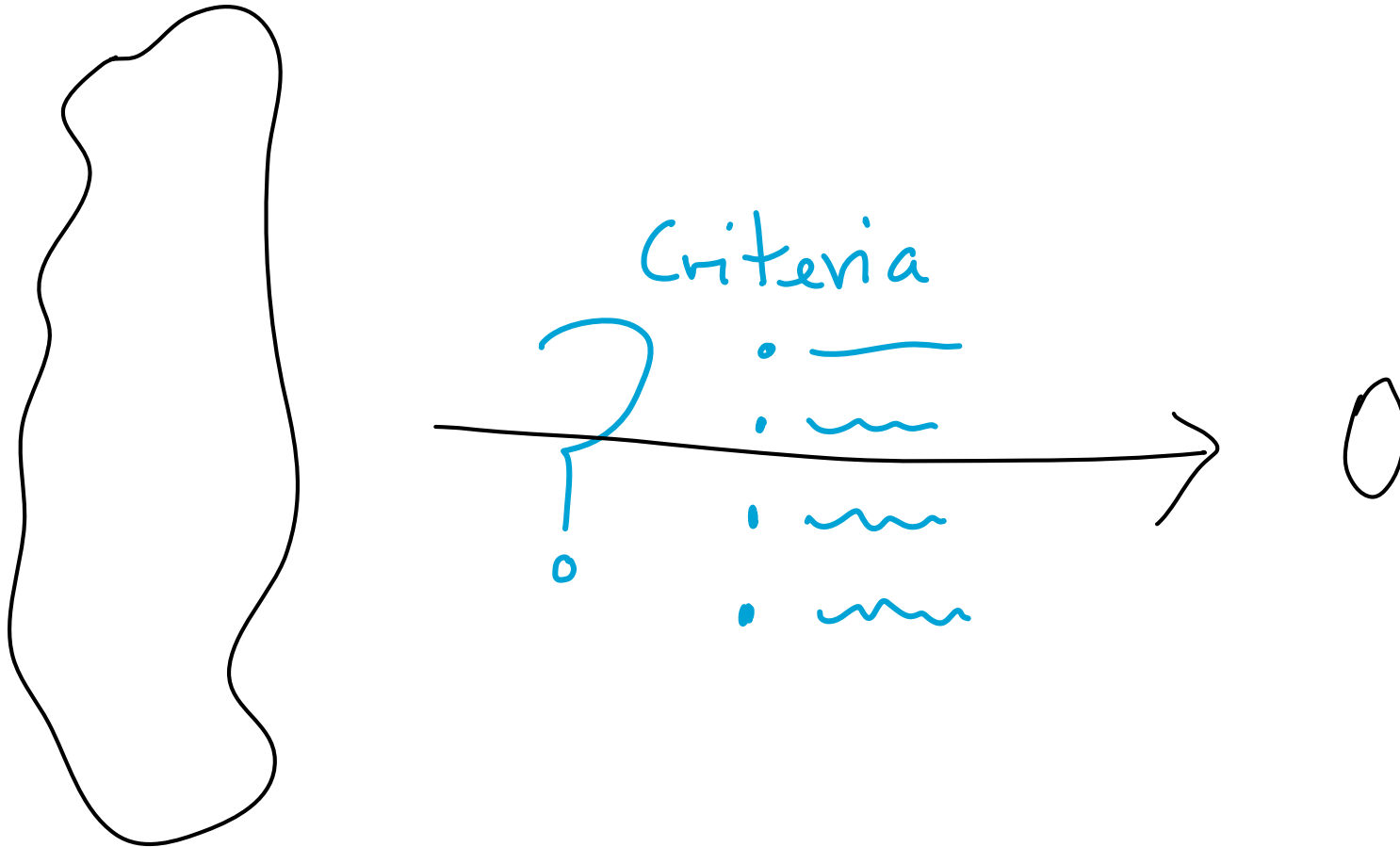












# Paraphrase or summary?

## ▶ Paraphrase:

“To express the meaning ... in other words”

## ▶ Summary or Abstract:

“Containing the chief points or sum or substance of a matter” ... “with implication of brevity”

(Shorter Oxford English Dictionary)





## 5. Peer review

- ▶ Peer review is an essential part of professional academic life.
- ▶ Anonymous peer reviews are necessary for journal publication and some books.
- ▶ Review by “critical friends” is common.



## **Support the revision**

- ▶ **Swap pieces of writing in pairs.**
- ▶ **Write on the review form to give helpful advice to the author on their summary.**
- ▶ **Hand back the writing with the review form.**



# Revise your summary

- ▶ Read the review form.
- ▶ Take note of its comments and address each one.
- ▶ Rewrite your summary on a new sheet
- ▶ Add your name at the top and hand it in at the end of the session.



Editing, proofreading & polishing are to correct the surface features of the text.

### 1. Appearance

- ▶ Formatting, fonts, footnotes, footers

### 2. Linguistic accuracy

- ▶ Spelling, punctuation

### 3. Sources, references, acknowledgements

- ▶ Citations correct, references complete



- ▶ Master the basics of organized writing
  - ▶ Paragraph=ordered set of topically-related sentences
  - ▶ Lead sentence: sets context for paragraph and might tie to previous paragraph
  - ▶ Sentences in paragraph should have logical narrative flow, relating to theme/topic
  - ▶ Don't mix tenses in descriptive text
  - ▶ One sentence paragraph!



**REMEMBER THIS TOO:**

**WRITE FOR READERS,  
NOT FOR YOURSELF!**

- ▶ **DON'T  
OVERSTATE/UNDERSTATE  
YOUR RESULTS**
- ▶ **STUDY THE ART OF  
WRITING**







# **How to publish in prestigious and reputable international journal**



# What gets you accepted?

- ▶ **A**ttention to details
  - ▶ **C**heck and double check your work
  - ▶ **C**onsider the reviews
  - ▶ **E**nglish must be as good as possible
  - ▶ **P**resentation is important
  - ▶ **T**ake your time with revision
  - ▶ **A**cknowledge those who have helped you
  - ▶ **N**ew, original and previously unpublished
  - ▶ **C**ritically evaluate your own manuscript
  - ▶ **E**thical rules must be obeyed
- Nigel John Cook, Editor-in-Chief, *Ore Geology Reviews*



# Why Papers get Early Rejection (Part 1)

## Aims and scope

- ▶ Paper is of limited interest or covers local issues only (sample type, geography, specific product, etc.).
- ▶ Paper is a routine application of well-known methods
- ▶ Paper presents an incremental advance or is limited in scope
- ▶ Novelty and significance are not immediately evident or sufficiently well-justified



# Why Papers get Early Rejection (Part 2)

## Preparation

- ▶ Failure to meet submission requirements
- ▶ Incomplete coverage of literature
- ▶ Unacceptably poor English



# Rejection: not the end of the world

- ▶ Everyone has papers rejected – do not take it personally.
- ▶ Try to understand why the paper was rejected.
- ▶ Note that you have received the benefit of the editors and reviewers' time; take their advice seriously
- ▶ Re-evaluate your work and decide whether it is appropriate to submit the paper elsewhere.
- ▶ If so, begin as if you are going to write a new article. Read the Guide for Authors of the new journal, again and again.



**Never treat publication as a lottery by resubmitting a rejected manuscript directly to another journal without any significant revision!!! It won't save any of your time and energy...**

- ▶ The original reviewers (even editors) may eventually find it, which can lead to animosity towards the author.
- ▶ **A suggested strategy**
  - ▶ In your **cover letter**, declare that the paper was rejected and name the journal.
  - ▶ **Include** the referees' reports and **a detailed letter of response**, showing how each comment has been addressed.
  - ▶ **Explain why** you are resubmitting the paper to this journal, e.g., this journal is a more appropriate journal; the manuscript has been improved as a result of its previous review; etc.



# Publish **AND** Perish! – if you break ethical rules

- ▶ International scientific ethics have evolved over centuries and are commonly held throughout the world.
- ▶ Scientific ethics are not considered to have national variants or characteristics – there is **a single ethical standard** for science.
- ▶ Ethics problems with scientific articles are on the rise **globally**.



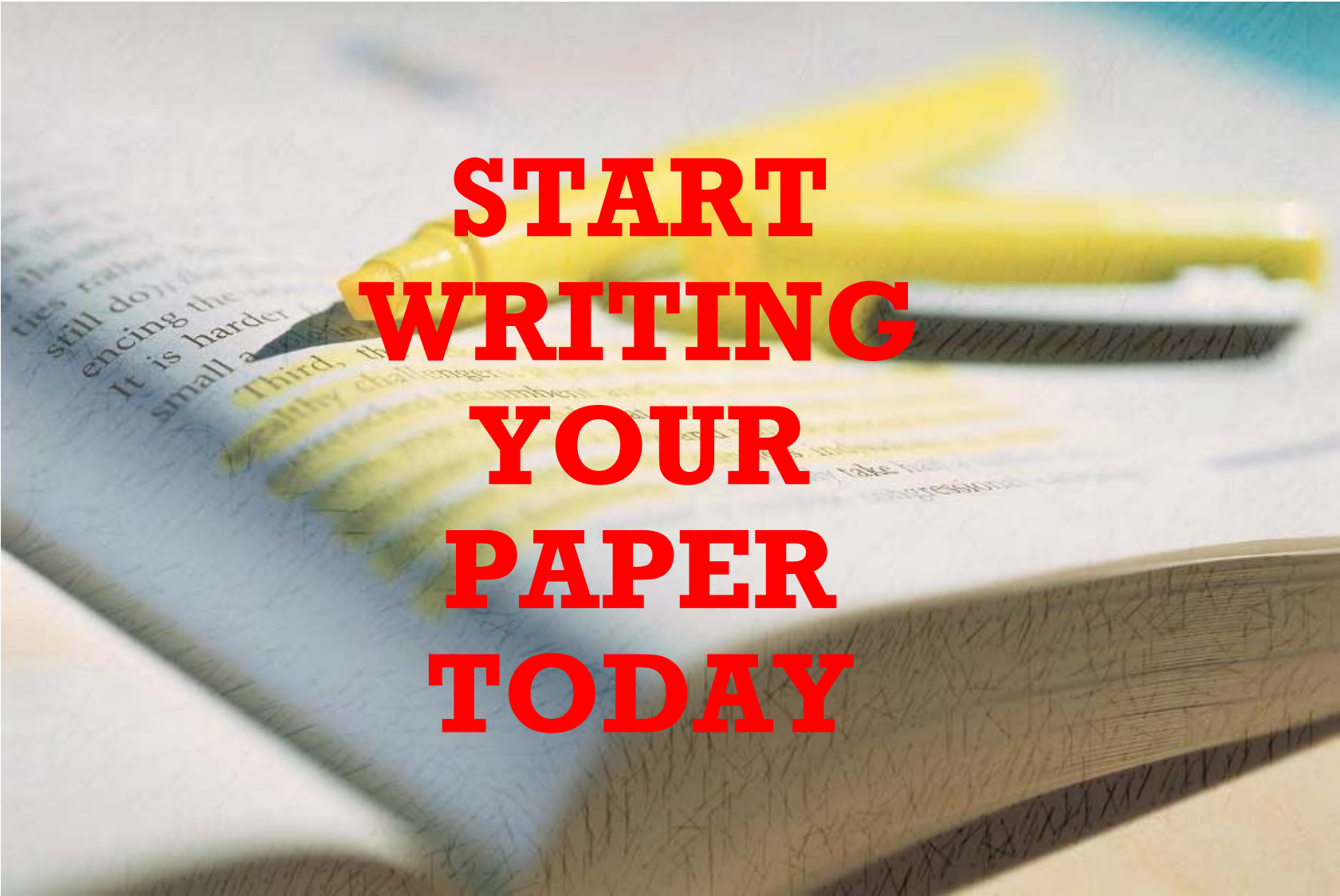


# **Deadly Sins – Unethical behavior “can earn rejection and even a ban from publishing in the journal”**

**– Terry M. Phillips, Editor, *Journal of Chromatography B***

- ▶ Multiple submissions
- ▶ Redundant publications
- ▶ Plagiarism
- ▶ Data fabrication and falsification
- ▶ Improper use of human subjects and animals in research
- ▶ Improper author contribution





# **START WRITING YOUR PAPER TODAY**

# CHECK LIST

	1 <sup>st</sup> draft	Edited draft
▶ Make concept sheet	<input type="checkbox"/>	<input type="checkbox"/>
▶ Title	<input type="checkbox"/>	<input type="checkbox"/>
▶ Abstract	<input type="checkbox"/>	<input type="checkbox"/>
▶ Introduction	<input type="checkbox"/>	<input type="checkbox"/>
▶ Methodology	<input type="checkbox"/>	<input type="checkbox"/>
▶ Discussion	<input type="checkbox"/>	<input type="checkbox"/>
▶ Conclusions	<input type="checkbox"/>	<input type="checkbox"/>
▶ Acknowledgements	<input type="checkbox"/>	<input type="checkbox"/>
▶ References	<input type="checkbox"/>	<input type="checkbox"/>
▶ Figures and captions	<input type="checkbox"/>	<input type="checkbox"/>
▶ Appendices	<input type="checkbox"/>	<input type="checkbox"/>



**THANK YOU**

