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اللَّهُمَّ ارْحَمْنَا

Scientific Writing Tools

Scientific Writing *Tools*

Available online at: <http://dx.doi.org/10.6084/m9.figshare.1294772>

Nader Ale Ebrahim, PhD

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www.researcherid.com/rid/C-2414-2009
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Abstract

“Research Tools” can be defined as vehicles that broadly facilitate research and related activities. “Research Tools” enable researchers to collect, organize, analyze, visualize and publicized research outputs. Dr. Nader has collected over 700 tools that enable researchers to follow the correct path in research and to ultimately produce high-quality research outputs with more accuracy and efficiency. It is assembled as an interactive Web-based mind map, titled “Research Tools”, which is updated periodically.

Objectives

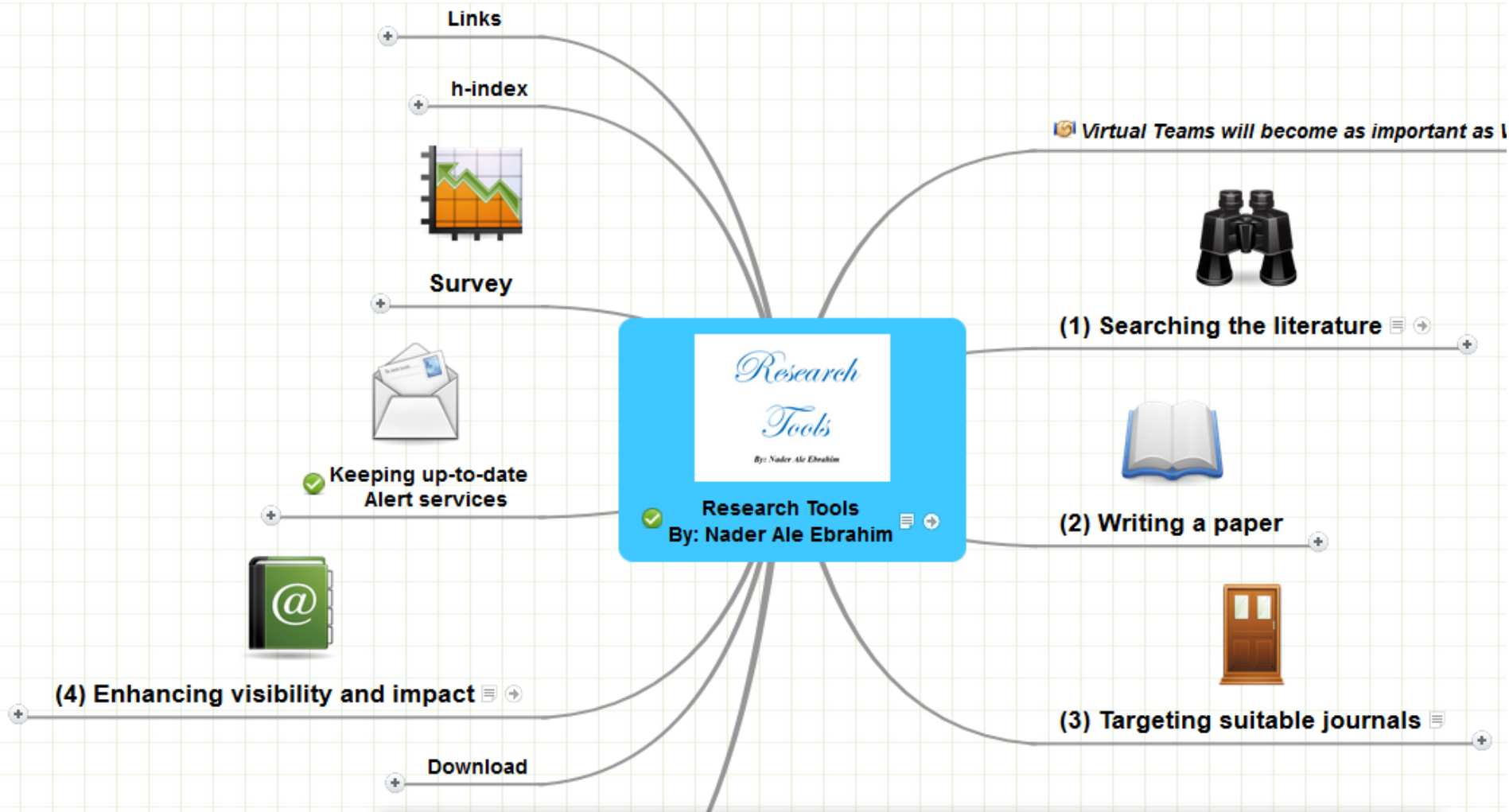
The seminar seeks to serve the following objectives:

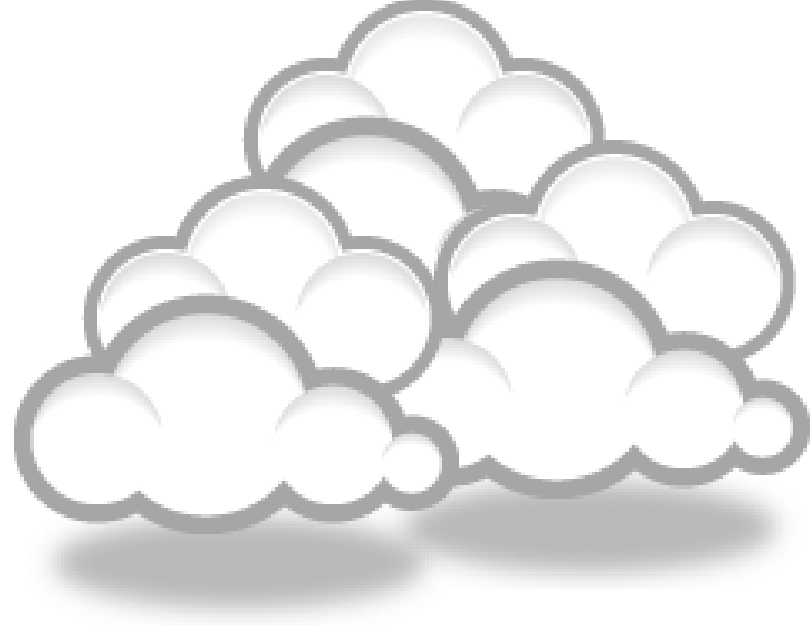
- i. To help researchers who seek to reduce the search time by expanding the knowledge of researchers to more effectively use the "tools" that are available through the Net.
- ii. To convert the information of the search for a written document.

Outline

1. Introduce “Research Tools” Mind Map,
2. Indexing desktop search tools,
3. Paragraph Development,
4. Paraphrasing & editing tools,
5. Avoid plagiarism,
6. Reference management tools,
7. Q&A.

Research Tools Mind Map





Indexing desktop search tools

dtSearch Google Desktop Windows Search

	Name	Score	Hits	Location	Date	Size	Index	
1	Handbook of New Product.pdf	100%	5,573	E:\UM\Thesis\Literature Review\Link 2009	2008/10/10	2,538,400	Link 2009	075068552
2	DBA Thesis.pdf	78%	3,020	E:\UM\Thesis\Literature Review\Link 2009	2009/02/03	2,662,734	Link 2009	Microsoft V
3	Virtual Workplaces.pdf	73%	6,390	E:\UM\Thesis\Literature Review\Link 2009	2009/04/09	7,070,659	Link 2009	Handbook c
4	Process implications.pdf	52%	918	E:\UM\Thesis\Literature Review\Link 2009	2009/02/03	186,624	Link 2009	doi:10.1016
5	Teaching and Learning With Virtual Teams_1591407087.pdf	50%	2,587	E:\UM\Thesis\Literature Review\Link 2009	2009/02/23	2,825,610	Link 2009	Teaching a
6	Nader-AJBAS 3(3)2653-2669-2009.pdf	48%	810	E:\UM\Thesis\Literature Review\Link 2009	2009/11/04	222,924	Link 2009	Nader-AJB.

2 / 14 133% Sign Find

stances and offers related research propositions. The paper also discusses the role of the Internet in **new product** performance. Finally, the paper concludes with managerial and research implications.

1. **new product development** process and the role of the Internet

Past research has consistently shown that a high-quality **new product development** process is one of the most critical success factors in **new product development** [8,10–12]. As a result, it has offered numerous processes that firms can use when developing their **new products**. Cooper [13] defines a **new product development** process as a formal blueprint, roadmap, template or thought process for driving a **new product** project from the idea to market launch and beyond. The process involves predetermined set of stages and each stage consists of a set of prescribed, cross-functional and parallel activities. Each stage is preceded by a gate, controlling the flow of the process and providing a decision checkpoint in the process. Because of the stages and the

with the first and second-generation processes, the third-generation process emphasizes efficiency and effectiveness in the **new product development** process through four fundamental areas. First, it is fluid, which means that there are overlaps in stages for greater speed. Second, it involves fuzzy gates, reducing the rigidity of criteria used in the gates and allowing conditional or situational considerations of the activities. Third, it is more focused in terms of prioritizing projects. Finally, it is flexible, suggesting that each **new product** is unique and has its own unique **development** process [13].

There are also compelling issues that indicate that **new product development** process may not be uniform across firms and **products**. Takeuchi and Nanoka [14] argue that today's rapidly changing and competitive market conditions require firms to adopt a flexible and fast **new product development** process and that a holistic "rugby" style **new product development** might be needed to respond to the conditions. With this approach, **new product teams** move through all phases of the **development** together, passing the ball back and forth as they develop **new products**. Based on a case study, the authors concluded that it is possible to

Search Request: Questionnaire design

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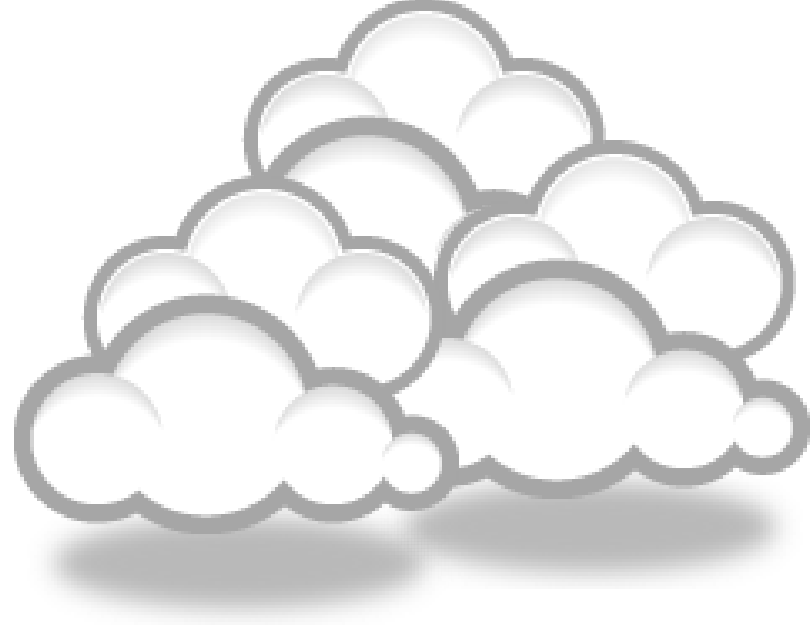
Size: 242,702 **Last modified:** 7/9/2012

[Page 1 Paragraph 27]

a standard form on which facts, comments

and attitudes can be recorded, and facilitate data processing.

This new edition of **Questionnaire Design** explains the role of questionnaires in market research, and looks at different types of questionnaire and when and how they



Paragraph Development

Paragraphs

A paragraph is a group of connected sentences that develop a single point, argument or idea. Paragraphs need to link to other paragraphs so that the themes, arguments or ideas developed are part of a coherent whole rather than separate bits.

A paragraph should include:

- **a main statement / idea that you are putting forward, ie topic sentence**
- **evidence from research to support / argue your idea, showing where the writers agree and / or disagree**
- **student analysis of the research literature where appropriate**
- **summing up and linking to the next idea (paragraph).**

In the literature review, you will need to show evidence of integrating your readings into each paragraph and analysis of the readings where necessary.

Source: https://www.dlswweb.rmit.edu.au/lisu/content/2_AssessmentTasks/assess_tuts/lit_review_LL/writing.html

Integrating arguments in paragraphs

Integration of multiple sources

To develop an integrated argument from multiple sources, you need to link your arguments together. The model below is a guide.

Topic sentence - outlining your main claim or key point for that paragraph



Most early theories of motivation were concerned with need satisfaction. Robbins, Millett, Cacioppe and Waters-Marsh (1998) argued that motivation relies on what a person needs and wants. Similarly the early theories of Maslow and McGregor (Robbins et al. 1998) focused on personal needs satisfaction as the basis for motivational behaviour. However, recent studies outlined by Leonard, Beauvais, and Scholl (1999) suggest that personality and disposition play an equally important role in motivation. Current thinking does not discount these theories, but simply builds on them to include a self-concept.

Supporting evidence from the readings



Contrasting theories from research



Concluding sentence - linking to the next paragraph

Integrating arguments in paragraphs

Integration of student analysis

It is important to integrate your analysis and interpretation of the literature in your literature review. Read the following paragraph and see how the arguments have been integrated into the paragraph along with student analysis. Analysis is not just student opinion, it needs to be supported by the literature.

Topic sentence - outlining your main claim or key point for that paragraph

First statement of evidence from the literature

By its very nature, motivation requires a degree of individual satisfaction or narcissism. Robbins, Millet, Cacioppe, and Waters-Marsh (1998) suggest that motivation has as its very basis the need to focus on, and please the self. This is supported by Shaw, Shapard and Waugaman (2000) who contend that this narcissistic drive is based on the human effort to find personal significance in life. It can be argued that the desire to improve one's status is a highly motivational force, and is central to the idea of narcissistic motivation. The narcissistic motivational strategies put forward by Shaw et al. (2000) are concerned with motivation for life in general, but may also have applications in the context of work. These strategies, with their focus on personal needs, demonstrate that narcissism is an essential component of motivation.

Second statement of evidence from the literature

Student analysis

Concluding statement

Discussion Article Template

Discussion Article Title

By: ← **BY-LINE**

— INTRODUCTION —

↖ **PROVIDE CONTEXT FOR AN AREA OF DISCUSSION IN YOUR NICHE**

— BODY —

↖ **EXPLAIN ONE SIDE OF A DISCUSSION**

— BODY —

↖ **BALANCE THE ARTICLE WITH A COUNTER POINT TO THE ORIGINAL DISCUSSION**

— CONCLUSION —

↖ **USE BOTH SIDES OF THE DISCUSSION TO PICK THE "RIGHT" ANSWER AND EXPLAIN WHY**

RESOURCE BOX



Suggest (that)	Recent studies outlined by Leonard et al (1999) suggest that personality and disposition play an equally important role in motivation.
Argue (that)	Leonard et al (1999) argue that there are three elements of self perception.
Contend(s)	Mullens (1994) contends that motivation to work well is usually related to job satisfaction.
Outline	Recent studies outlined by Mullins (1994) suggest that personality and disposition play an equally important role in motivation.
Focus on	The early theories of Maslow and McGregor (Robbins et al, 1998) focused on personal needs and wants as the basis for motivation.
Define(s)	Eunson (1987, p. 67) defines motivation as 'what is important to you'.
Conclude(s) (that)	Reviewing the results of the case study, Taylor (1980) concludes that the theories of job enrichment and employee motivation do work.
State	He further states that there is an increasing importance on the role of autonomy and self regulation of tasks in increasing motivation.
Maintains (that)	Mullins (1994) maintains that job enrichment came from Herzber's two factor theory.
Found (that)	Mullins (1994) found that there is an increasing importance on the role of autonomy and self regulation of tasks in improving motivation.
Promote(s)	This promotes the idea that tension and stress are important external sources of motivation, which can be eliminated by completing certain tasks.
Establish(ed) (by)	As established by Csikszentmihalyi (Yair 2000, p. 2) 'the more students feel in command of their learning, the more they fulfil their learning potential'.
Asserts (that)	Locke's Goal Setting Theory asserts that setting specific goals tends to encourage work motivation (Robbins et al, 1998).
Show(s)	Various theories of motivation show employers that there are many factors that influence employees work performance.
Claim(s) (that)	Hackman and Oldham (1975) claim that people with enriched jobs, and high scores on the Job Diagnostic Survey, experienced more satisfaction and motivation.
Report(s)	Mullins (1994) reports on four content theories of motivation.
Mention(s)	Mullins (1994) mentions two common general criticisms of Herzberg's theory.
Address	Redesigning jobs so that responsibility moved from supervisors to the workers, was an attempt to address the issues of job satisfaction (Mullins, 1994).

General meanings or application of meanings

The term X refers to ...

The term X encompasses A), B), and C).

X can be defined as ... It encompasses ...

X can be loosely described as a correlation.

The term X has come to be used to refer to ...

The term X is generally understood to mean ...

The term X has been applied to situations where students ...

In the literature, the term tends to be used to refer to ...

The broad use of the term X is sometimes equated with ...

Whereas X refers to the operations of ..., Y refers to the ...

The term disease refers to a biological event characterised by ...

The term X is a relatively new name for a Y, commonly referred to...

In broad biological terms, X can be defined as any stimulus that is ...

Defined as XYZ, obesity is now considered a worldwide epidemic and is associated with ...

Snippet Search

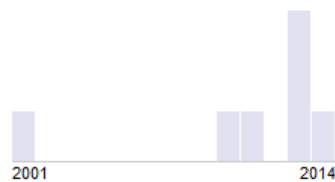
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Discover how a particular term or phrase is used in scientific literature

Search for:

Subject: OR Publication:

year published



subject

(see all 26)

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- ... Discrete Event Simulation [has been applied to situations](#) where queuing models cannot be ...
- ... the strategy discussed here [has been applied to situations](#) in which $|X_m|=1$...
- ... tasks, fuzzy logic theory [has been applied to situations](#) where accurate mathematical ...
- ... the term visual illusion [has been applied to situations](#) in which an external stimulus is ...
- ... 23]. Generally, these models [have been applied to situations](#) where transmission rates vary ...
- ... approaches, except the latter, [have been applied to situations](#) where a set of previously known ...
- ... in radiology, ROC analyses [have been applied to situations](#) that are suitable for visual ...

Summarizing tool

Summarize any text

Copy and paste your loooong text below.

In the competitive market, virtual teams represent a growing response to the need for fasting time-to-market, low-cost and rapid solutions to complex organizational problems. Virtual teams enable organizations to pool the talents and expertise of employees and non-employees by eliminating time and space barriers. Nowadays, companies are heavily investing in virtual team to enhance their performance and competitiveness. Despite virtual teams growing prevalence, relatively little is known about this new form of team. Hence the study offers an extensive literature review with definitions of virtual teams and a structured analysis of the present body of knowledge of virtual teams. First, we distinguish virtual teams from conventional teams, different types of virtual teams to identify where current knowledge applies. Second, we distinguish what is needed for effective virtual team considering the people, process and technology point of view and underlying characteristics of virtual teams and challenges they entail. Finally, we have identified and extended 12

Summarize in about sentences

Send it to (optional)

Summarize Now!

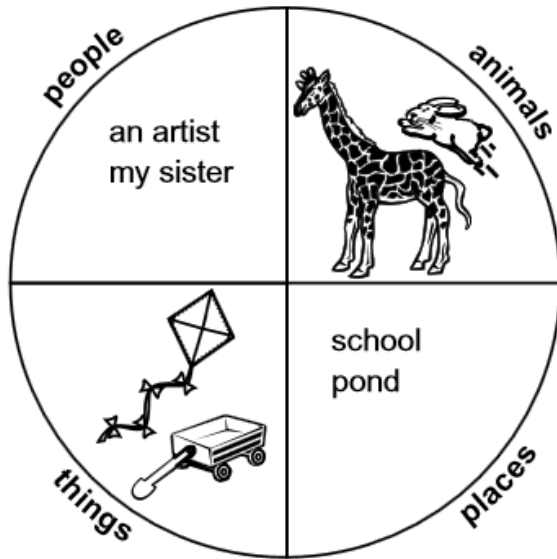
Here is the summary:

First, we distinguish virtual teams from conventional teams, different types of virtual teams to identify where current knowledge applies.

Second, we distinguish what is needed for effective virtual team considering the people, process and technology point of view and underlying characteristics of virtual teams and challenges they entail.

Graphic organizers:

Put your ideas and notes in order



Flow Chart

Write your topic at the top. List steps or events in time order.

Topic:

Flowchart structure with three boxes and two downward arrows:

Box 1 (Topic):

Box 2:

Arrow 1:

Box 3:

Arrow 2:

Source: http://www.eduplace.com/kids/hme/k_5/graphorg/index.html

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Preparing for Submission

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 - e. Results
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 - g. References
 - h. Tables
 - i. Illustrations (Figures)
 - j. Units of Measurement
 - k. Abbreviations and Symbols



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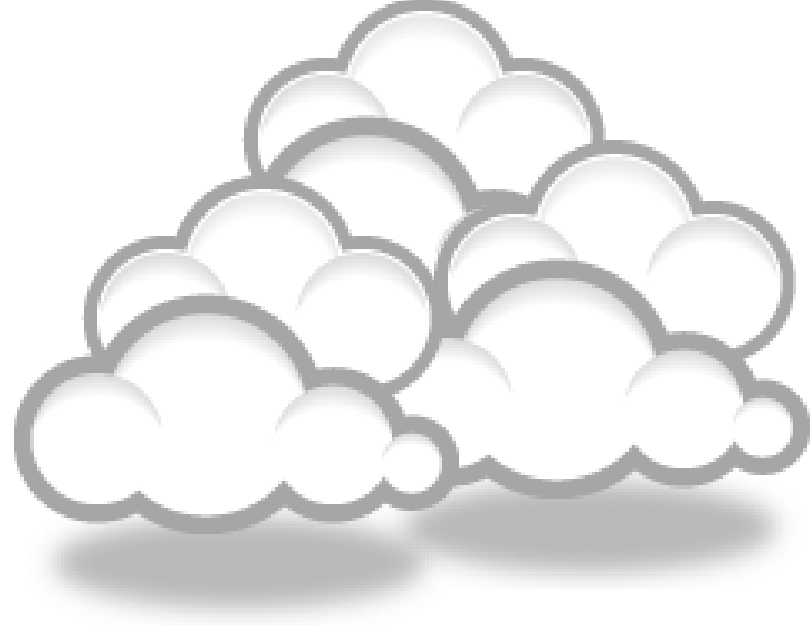
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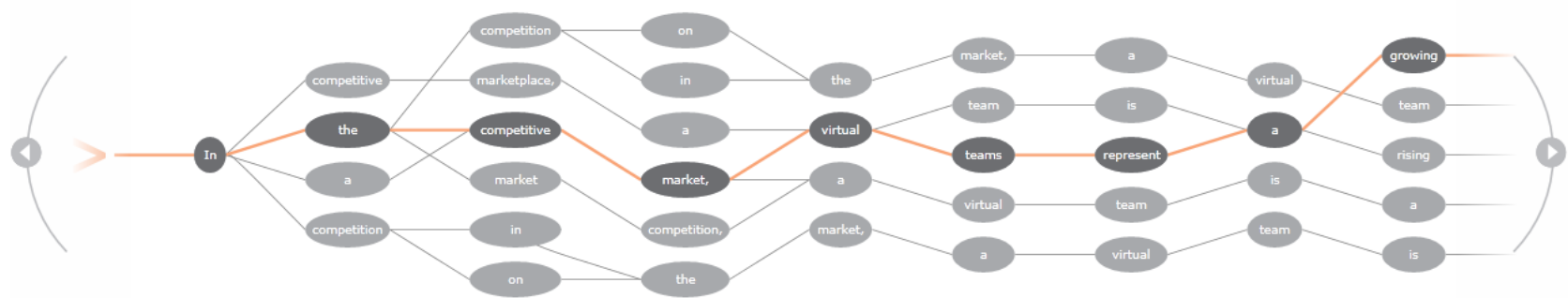
enter your phrase

In the competitive market, virtual teams represent a growing response to the need for fast time-to-market, low-cost and rapid solutions to complex organizational

Hint: Enter short phrases (about 4-8 words) in a business or formal style. To see another random example, refresh your browser (F5).

clear suggestions

- In the competitive market, virtual teams represent a growing response to the need for fast time-to-market, low-cost and rapid solutions to complex organizational
- In the competition on the market, a virtual team is a rising in response to the need to fast time to market, cost effective and fast resolution of complex organizational issues
- In a competitive market, a virtual team is a rising in response to the need to fast time to market, cost effective and fast resolution of complex organizational issues
- In the competition in the market, a virtual team is a rising in response to the need to fast time to market, cost effective and fast resolution of complex organizational issues
- In the competition on the market, a virtual team is a rising in response to the need to fast time to market, cost effective and quickly solve complex organizational issues
- In a competitive market, a virtual team is a rising in response to the need to fast time to market, cost effective and quickly solve complex organizational issues
- In competition in the market, a virtual team is a rising in response to the need to fast time to market, cost effective and fast resolution of complex organizational issues



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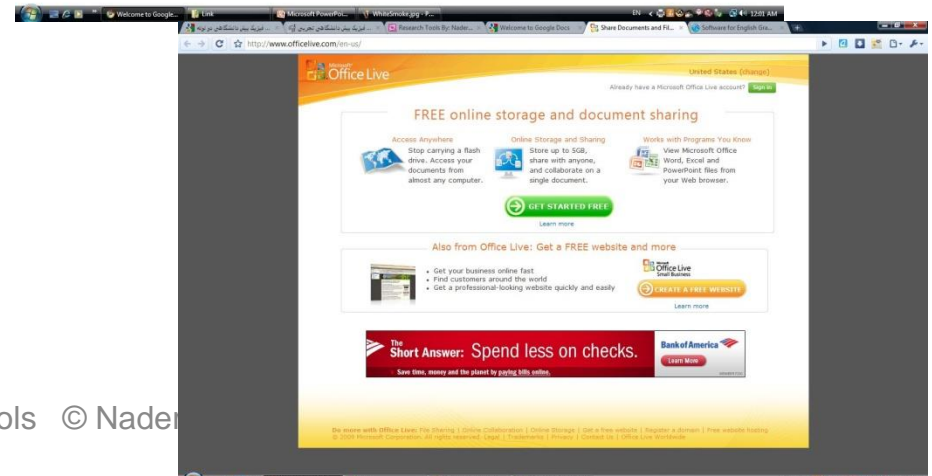
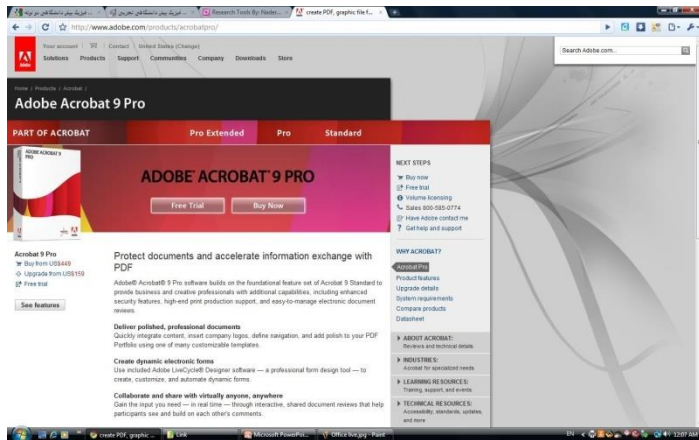
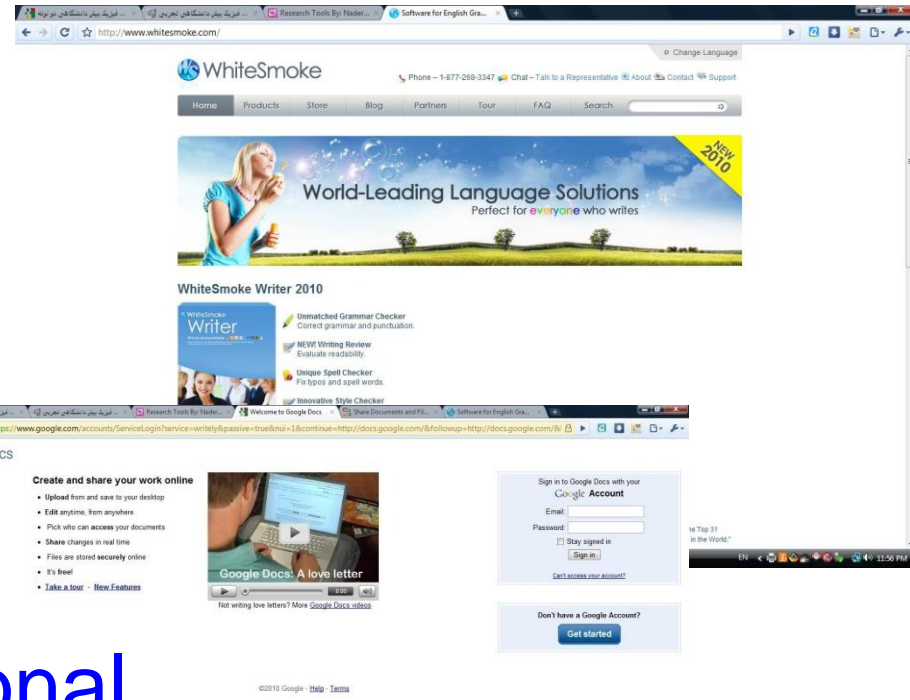
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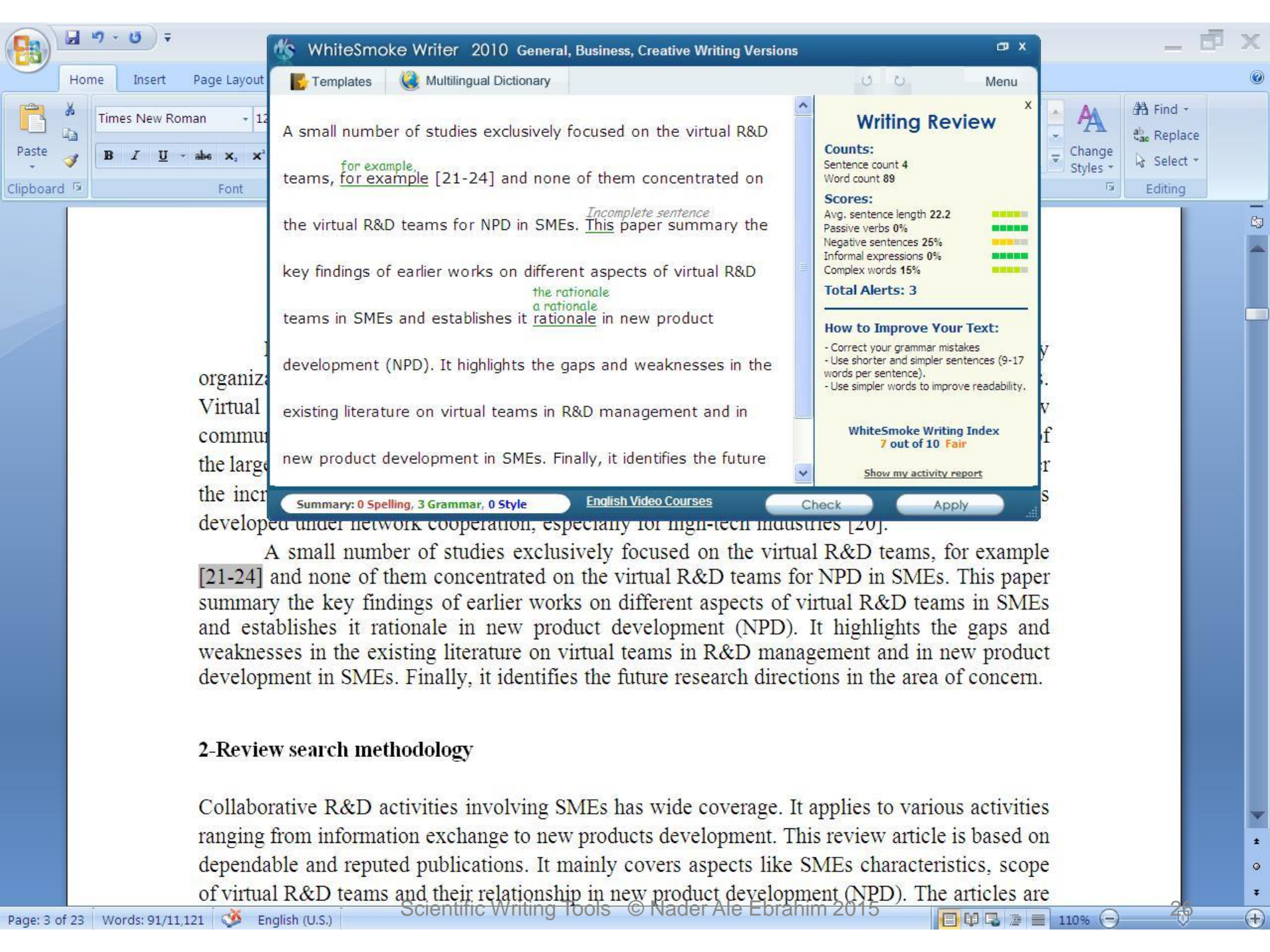
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Counts:
Sentence count 4
Word count 89

Scores:
Avg. sentence length 22.2
Passive verbs 0%
Negative sentences 25%
Informal expressions 0%
Complex words 15%

Total Alerts: 3

How to Improve Your Text:
- Correct your grammar mistakes
- Use shorter and simpler sentences (9-17 words per sentence).
- Use simpler words to improve readability.

WhiteSmoke Writing Index
7 out of 10 Fair

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Summary: 0 Spelling, 3 Grammar, 0 Style English Video Courses Check Apply

A small number of studies exclusively focused on the virtual R&D teams, *for example* [21-24] and none of them concentrated on the virtual R&D teams for NPD in SMEs. *Incomplete sentence* This paper summary the key findings of earlier works on different aspects of virtual R&D teams in SMEs and establishes it *the rationale a rationale* rationale in new product development (NPD). It highlights the gaps and weaknesses in the existing literature on virtual teams in R&D management and in new product development in SMEs. Finally, it identifies the future developed under network cooperation, especially for high-tech industries [20].

A small number of studies exclusively focused on the virtual R&D teams, for example [21-24] and none of them concentrated on the virtual R&D teams for NPD in SMEs. This paper summary the key findings of earlier works on different aspects of virtual R&D teams in SMEs and establishes it rationale in new product development (NPD). It highlights the gaps and weaknesses in the existing literature on virtual teams in R&D management and in new product development in SMEs. Finally, it identifies the future research directions in the area of concern.

2-Review search methodology

Collaborative R&D activities involving SMEs has wide coverage. It applies to various activities ranging from information exchange to new products development. This review article is based on dependable and reputed publications. It mainly covers aspects like SMEs characteristics, scope of virtual R&D teams and their relationship in new product development (NPD). The articles are



Skip

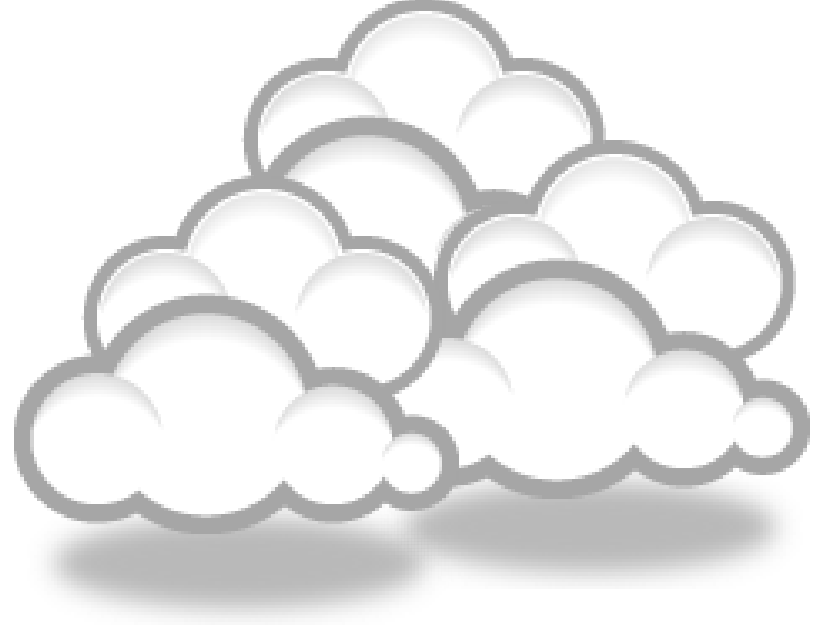
We **reports** the relevant result of an online survey study.



Approve

We report the relevant result of an online survey study.

Abstract—In this paper, we present our more than two years research experiences on virtual R&D teams in small and medium-sized enterprises (SMEs) and draws conclusions, giving special attention to the structure of virtual teams required to support education-industry collaboration. We reports the relevant result of an online survey study. The online questionnaire was emailed by using the simple random sampling method to 947 manufacturing SMEs. The findings of this study show that SMEs in Malaysia and Iran are willing to use virtual teams for collaboration and the platform for industry-education collaboration is ready and distance between team members or differences in time zones, are not barriers to industry-education collaborations.

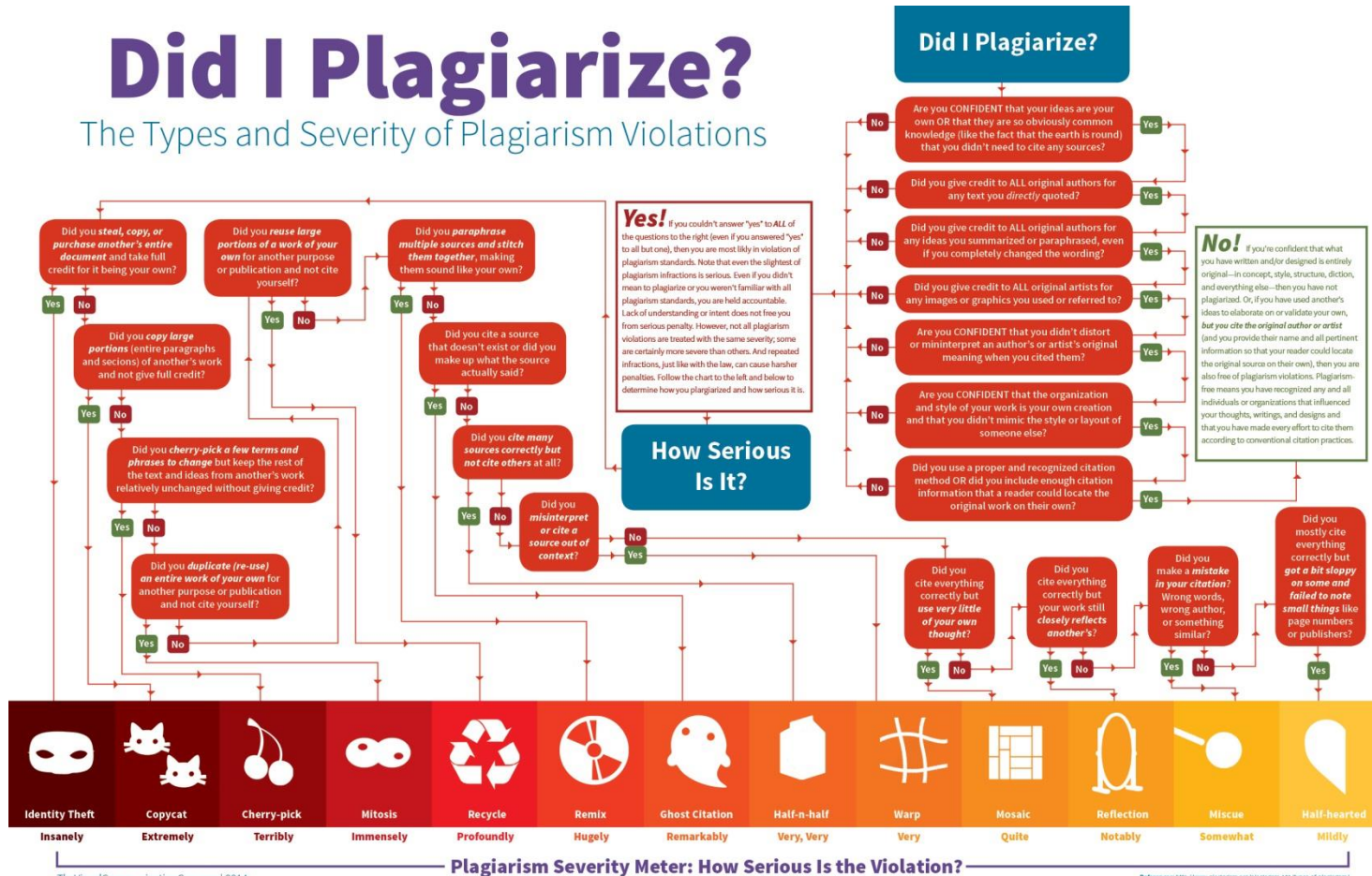


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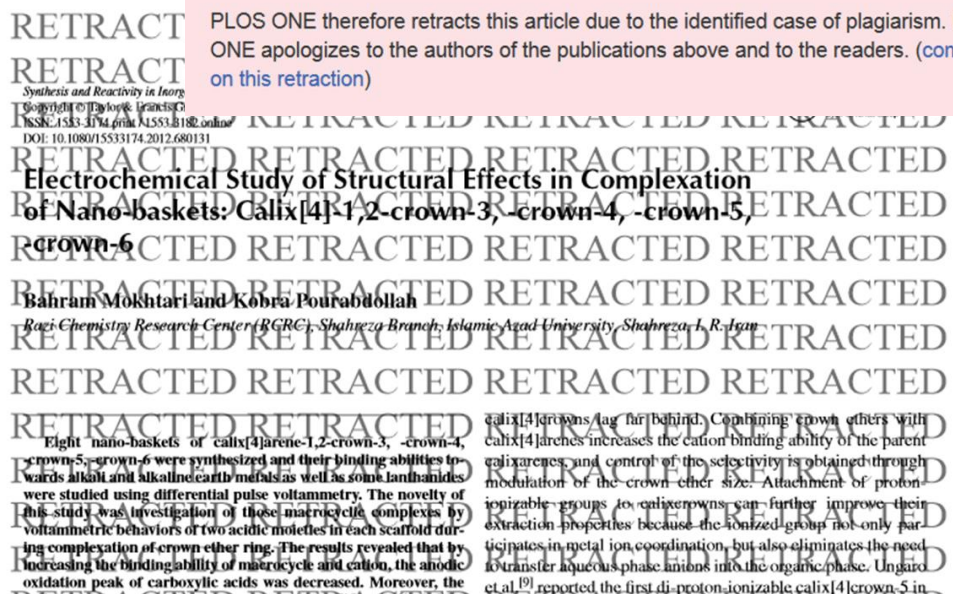
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Roxas-Duncan V, Enyedy I, Montgomery VA, Eccard VS, Carrington MA, Lai H, Gul N, Yang DC, Smith LA.

Antimicrob Agents Chemother. 2009 Aug;53(8):3478-86

Eubanks LM, Hixon MS, Jin W, Hong S, Clancy CM, et al. (2007) An in vitro and in vivo disconnect uncovered through high-throughput identification of botulinum neurotoxin A antagonists. Proc Natl Acad Sci USA 104: 2602-2607.

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Potential user factors driving adoption of IPTV: What are customers expecting from IPTV?

Dong Hee Shin *

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Reading, PA 19610-6009, USA*

Received 4 December 2005; received in revised form 1 May 2006; accepted 8 May 2006

Abstract

Internet Protocol Television (IPTV), the convergence services of television and Internet, is being rapidly developed around the world. The advent of digital technologies has changed the convergence market dramatically with the wide diffusion of the convergent services. Using the Technology Acceptance Model as a conceptual framework and method of logistic regression, this research analyzes the demand for IPTV by drawing data from 452 consumers. Individuals' responses to questions about whether they accept IPTV are collected and combined with observations of their socio-economic characteristics and intrinsic/extrinsic factors modified from the Technology Acceptance Model. Results of logistic regression show two variables (intrinsic and extrinsic factors) that seem to explain what influences consumer behavior towards adopting IPTV. Overall, the logistic regression model explains over 50% of the variance in IPTV adoption. The variances shed light on the multi-open platform environment that IPTV will forge.

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Keywords: IPTV; User analysis; Logistic model; South Korea

1. Introduction

Recent development of IT and media technologies have given a tremendous push toward the development of convergence services like Digital Multimedia Broadcasting (DMB) and IPTV (Internet Protocol Television). Korea has been taking a leadership role in developing not only IPTV, but also the

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Effect of ST3GAL 4 and FUT 7 on sialyl Lewis X synthesis and multidrug resistance in human acute myeloid leukemia

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ST3GAL4

sLe X

Acute myeloid leukemia cells

ABSTRACT

Sialyl Lewis X (sLe X, CD15s) is a key antigen displayed on tumor cell surfaces during multidrug resistance (MDR) development. The present study investigated the effect of $\alpha 1$ -mannosyltransferase VII (FucT VII) and $\alpha 2$ -3 sialyltransferase IV (ST3Gal IV) on sLe X oligosaccharide synthesis as well as their impact on MDR development in acute myeloid leukemia cells (AML). FUT7 and ST3GAL4 were overexpressed in three AML MDR cells and bone marrow mononuclear cells (BMNCs) from AML patients with MDR by real-time polymerase chain reaction (PCR). A close association was found between the expression levels of FUT7 and ST3GAL4 and the amount of sLe X oligosaccharides, as well as the phenotypic evaluation of MDR of HL60 and HL60/ADR cells both in vitro and in vivo. Manipulation of the two genes' expression modulated the activity of phosphoinositide-3 kinase (PI3K)/Akt signaling pathway, probably regulating the proportionally mutative expression of P-glycoprotein (P-gp) and multidrug resistance related protein 1 (MRP1), both of which are known to be involved in MDR. Blocking the PI3K/Akt pathway with its specific inhibitor LY294002 or Akt short hairpin RNA (shRNA) resulted in the reduced MDR of HL60/ADR cells. Our study indicated that sLe X involved in the development of MDR of AML cells probably through FUT7 and ST3GAL4 by regulating the activity of PI3K/Akt signaling pathway and the expression of P-gp and MRP1.

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1. Introduction

Acute myeloid leukemia (AML), the most common type of leukemia in adults, has the lowest survival rate among all leukaemias [1]. It is a clonal malignancy of the hematopoietic system characterized by accumulation of immature cell population in the bone marrow or peripheral blood [2]. Multidrug resistance (MDR) is a major challenge to the successful treatment of AML. Classic MDR is the consequence of overexpression of transporter proteins belonging to the ATP binding cassette (ABC) family, such as P-gp and MRP1, which lead to lower intracellular drug accumulation and reduce cellular toxicity of chemotherapeutic agents [3]. However, many researchers are managing to

adequately evaluate the interaction of glycan alterations and resistance to chemotherapy of neoplastic cells so as to understand their pathogenesis. However, there is still little information about the role of glycosyltransferases and relevant glycogenes in the development of AML MDR except the modification of glycan structures has been observed in drug-resistance leukemia cells [4,5].

Glycosylation is one of the most important modifications of proteins and lipids [6]. Alterations in cell surface glycosylation are acknowledged as a hallmark of carcinogenesis which usually leads to the expression of tumor-associated carbohydrate antigens (TACAs) on glycoproteins or glycolipids that decorate cell surfaces [7]. Lewis antigens are functionally important terminal glycan epitopes, which are usually subdivided into two groups: types 1 and 2, depending on whether the terminal galactose is bound to the preceding GlcNAc by β -1,3-galactosyltransferases (Gal-T) or β -1,4 Gal-T [8]. All type 1 structures contain an α 1,4-Fuc residue on the GlcNAc catalyzed by α 1,4-Fuc T5 such as Le^a, sLe^a and Le^b. It is the same for type 2 antigens including Le X, sLe X and Le Y, but the linkage is α 1,3 instead (catalyzed by products of FUT3 through -7 and FUT9) [9].

Sialyltransferases (STs) catalyzed the transformation of sialic acid residues from donor substrate CMP-sialic acid to the oligosaccharide side chains of glycoconjugates. Different STs showing cell and tissue tropism are unique in substrate specificities and in types of linkage formed

Abbreviations: ST, sialyltransferase; FucT, fucosyltransferase; MDR, multidrug resistance; PCR, polymerase chain reaction; PI3K, phosphoinositide-3 kinase; P-gp, P-glycoprotein; MRP1, multidrug resistance related protein 1; shRNA, short hairpin RNA; ADR, adriamycin; BMNCs, bone marrow mononuclear cells; PBS, phosphate buffered saline; PI3K, PI3K containing 0.1% Tween 20; DMSO, dimethyl sulfoxide; AML, acute myeloid leukemia; CML, chronic myeloid leukemia.

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E-mail address: jli@dlmdu.edu.cn (L. Jun).

¹ Hongye Ma and Huimin Zhou contributed equally to this work.

Retraction: Retraction notice

Posted by [PLOS_ONE_Group](#) on 05 Sep 2013 at 16:33 GMT

0 Responses • **Most Recent** 05 Sep 2013 at 16:33 GMT

Retraction: Retraction notice

It has been brought to the attention of the PLOS ONE editors that substantial parts of the text in this article were appropriated from text in the following publications:

Identification and biochemical characterization of small-molecule inhibitors of Clostridium botulinum neurotoxin serotype A.

Roxas-Duncan V, Enyedy I, Montgomery VA, Eccard VS, Carrington MA, Lai H, Gul N, Yang DC, Smith LA.

Antimicrob Agents Chemother. 2009 Aug;53(8):3478-86

Eubanks LM, Hixon MS, Jin W, Hong S, Clancy CM, et al. (2007) An in vitro and in vivo disconnect uncovered through high-throughput identification of botulinum neurotoxin A antagonists. Proc Natl Acad Sci USA 104: 2602–2607.

PLOS ONE therefore retracts this article due to the identified case of plagiarism. PLOS ONE apologizes to the authors of the publications above and to the readers. ([comment on this retraction](#))

Clinics

Hospital das Clinicas da Faculdade de Medicina da Universidade de Sao
Paulo

THIS ARTICLE HAS BEEN RETRACTED. See Clinics (Sao Paulo). 2013
October; 68(10): 1382.

An overview of recently published medical papers in Brazilian scientific journals

Mauricio Rocha e Silva and Ariane Gomes

[Additional article information](#)

Abstract

Full Length Research Paper

Computational study of environmental fate of ionic liquids using conductor-like screening model for real solvents (COSMO-RS) method

Zakari, A. Y., Waziri, S. M., Aderemi, B. O. and Mustapha, S. I.*

Department of Chemical Engineering, Ahmadu Bello University Zaria, Nigeria.

The COSMO-RS method is an advanced method for the quantitative calculation of solvation mixture thermodynamics based on quantum chemistry. It was developed by Andreas Klamt and is distributed as the software COSMOtherm by his company COSMOlogic (as well as in the form of several remakes by others).

Some Nigerian researchers have used the software (without a license) and report a tremendously and completely unbelievably good correlation ($r^2=0.992$) between the predicted results and experimental data for the logKow (octanol water partition coefficient) of ionic liquids.

Penalty for Plagiarism

Outside of academia the problem of plagiarism continues to generate headlines and scandals for politicians. In Germany, two prominent cabinet members have been forced to step down due to allegations of plagiarism in their doctoral dissertations. Meanwhile, in Canada, the head of the nation's largest school district was forced to resign in the face of plagiarism allegations, and plagiarism scandals have also embroiled a senator in the Philippines, the prime minister of Romania, and several members of the Russian Duma.

Source: J. Bailey. "Defending Against Plagiarism, Publishers need to be proactive about detecting and deterring copied text.," 26 November; <http://www.the-scientist.com/?articles.view/articleNo/35677/title/Defending-Against-Plagiarism/>.

PubPeer strikes again: Leukemia paper retracted for image duplications

In July, a PubPeer commenter called out a paper in *Biochimica et Biophysica Acta* for image duplication; by September, the paper was retracted for the exact reason detailed in the anonymous comment.

Here's the [notice](#) for "Effect of ST3GAL 4 and FUT 7 on sialyl Lewis X synthesis and multidrug resistance in human acute myeloid leukemia," a paper initially published in June:

“ This article has been retracted at the request of the authors. It contained several inappropriate-ly processed and incorrect Figures. On behalf of all authors, the corresponding author has taken full responsibility and apologizes to the readers of BBA Molecular Basis of Disease for submitting and publishing the erroneous article and any inconvenience caused.

An anonymous PubPeer commenter compiled the following criticism ([click here or on the picture below for a larger image](#)):

“ Concern about Figures 3, 5, and 7:
Several of the immunohistochemistry staining panels shown in Figures 3, 5, and 7 represent different experimental conditions, but appear to show overlapping areas and/or are very similar when flipped.

Here is a figure showing my concerns: <http://i.imgur.com/ZTFVUXP.jpg>



Retraction Watch

Leukemia paper retracted for plagiarism — 18 years later

with 2 comments

Nearly two decades after a Polish researcher plagiarized the work of a Turkish team, her theft has been exposed and the paper retracted.

According to an article in Polish-language paper [Gazeta Wyborcza](#), [Jolanta Rzymowska](#) of the Medical University of Lublin was the subject of two disciplinary hearings, the first in February 2014, following the discovery of her plagiarism by well-known Polish fraud hunter [Marek Wronski](#). It was determined that her 1996 paper contained word-for-word text from a paper by a team at the University of Ankara.

Ultimately, Rzymowska was given an official reprimand, rather than any harsher disciplinary action, because she copied descriptions rather than results. From a Google translation of the [article](#):

“ The Commission concluded that the results are the most important element of intellectual property and the descriptive part is much less important.

Here's the [notice](#):

“ The Acting Editor in Chief of Biological Trace Element Research retracts the following article: Rzymowska, Magnesium and Iron Contents of Leukemic Lymphocytes in Acute Leukemias and [Hemolytic Anemia](#), June 1996, Volume 53, Issue 1–3, DOI 10.1007/BF02784559.

This full retraction is due to the author's having used - without permission - significant amounts of

Tracking retractions as a window into the scientific process

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Retraction Watch

Publisher discovers 50 manuscripts involving fake peer reviewers

with 23 comments

BioMed Central has uncovered about fifty manuscripts in their editorial system that involved fake peer reviewers, Retraction Watch has learned.



Most of the cases were not published because they were discovered by a manuscript editor on a final pre-publication check. The five or so that have been published will go through some sort of re-review, which may result in expressions of concern or retraction.

The narrative seems similar to that in the growing number of cases of [peer review manipulation](#) we've seen recently. What tipped off the editor was minor spelling mistakes in the reviewers' names, and odd non-institutional email addresses that were often changed once reviews had been submitted, in an apparent attempt to cover the fakers' tracks. Those "reviewers" had turned in reports across several journals, spanning several subjects.

It would seem that a third party, perhaps marketing services helping authors have papers accepted, was involved.

The publisher has let all of its external editors in chief know about the situation. To prevent it from happening again, authors will not be able to recommend reviewers for their papers. Here's a message from BioMed Central senior managing editor Diana Marshall that went out to a number of journal editors earlier today: [Read the rest of this entry »](#)

To me

Cat Ferguson posted: " Two papers by an overlapping group of researchers in Italy have been retracted for manipulated figures. In late 2013, perennial tipster Clare Francis sent their concerns about several papers, including the two that have been retracted, by authors who f"

New post on **Retraction Watch**



Cut and paste and a PC crash: figure manipulations sink two papers

by [Cat Ferguson](#)

Two papers by an overlapping group of researchers in Italy have been retracted for manipulated figures. In late 2013, perennial tipster Clare Francis sent their concerns about several papers, including the two that have been retracted, by authors who frequently publish together. One of the papers, in the Journal of Neurochemistry, is from a team led by Ferdinando Nicoletti; four other [...]

We use plagiarism Detection

The screenshot shows the 'Instructions for authors' page of the Journal of the Operational Research Society. The browser window title is 'Instructions for authors : Journal of the Operational Research Society - Mozilla Firefox'. The address bar shows the URL 'http://www.palgrave-journals.com/jors/author_instructions.html'. The page content includes a list of research areas: Training, Transport, Travelling salesman, Urban studies, Vehicle routing, and Water. Below this list is the COPE (Committee on Publication Ethics) logo and a badge that says 'We Use Plagiarism Detection iThenticate Learn More'. A text line states: 'This journal is a member of and subscribes to the principles of the [Committee on Publication Ethics](#).' The footer contains the journal's ISSN information (ISSN 0160-5682 | EISSN 1476-9360), navigation links (About Palgrave Macmillan, Contact Us, Legal Notice, Privacy Policy, Accessibility Statement, RSS Web feeds, Help), and a copyright notice: 'Copyright © 2011 Palgrave Macmillan, a division of Macmillan Publishers Limited. A company registered in England and Wales under Company Number: 785998 with its registered office at Brunel Road, Houndmills, Basingstoke, Hants, RG21 6XS, United Kingdom. Palgrave Macmillan Journals - partner of [INASP](#), [JDP](#), [CrossRef](#), [COUNTER](#), [COPE](#) and [iThenticate](#). [View Partners](#)'.

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How do I avoid plagiarism?

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- do not paraphrase someone else's work without crediting the source
- do not piece together sections of the work of others into a new whole
- do not resubmit your own or other's previously graded work
- do not commit collusion (unauthorised collaboration, presenting work as one's own independent work, when it has been produced in whole or in part in collusion with other people)
- ghost-writing – you should not make use of ghost writers or professional agencies in the production of your work or submit material which has been written on your behalf

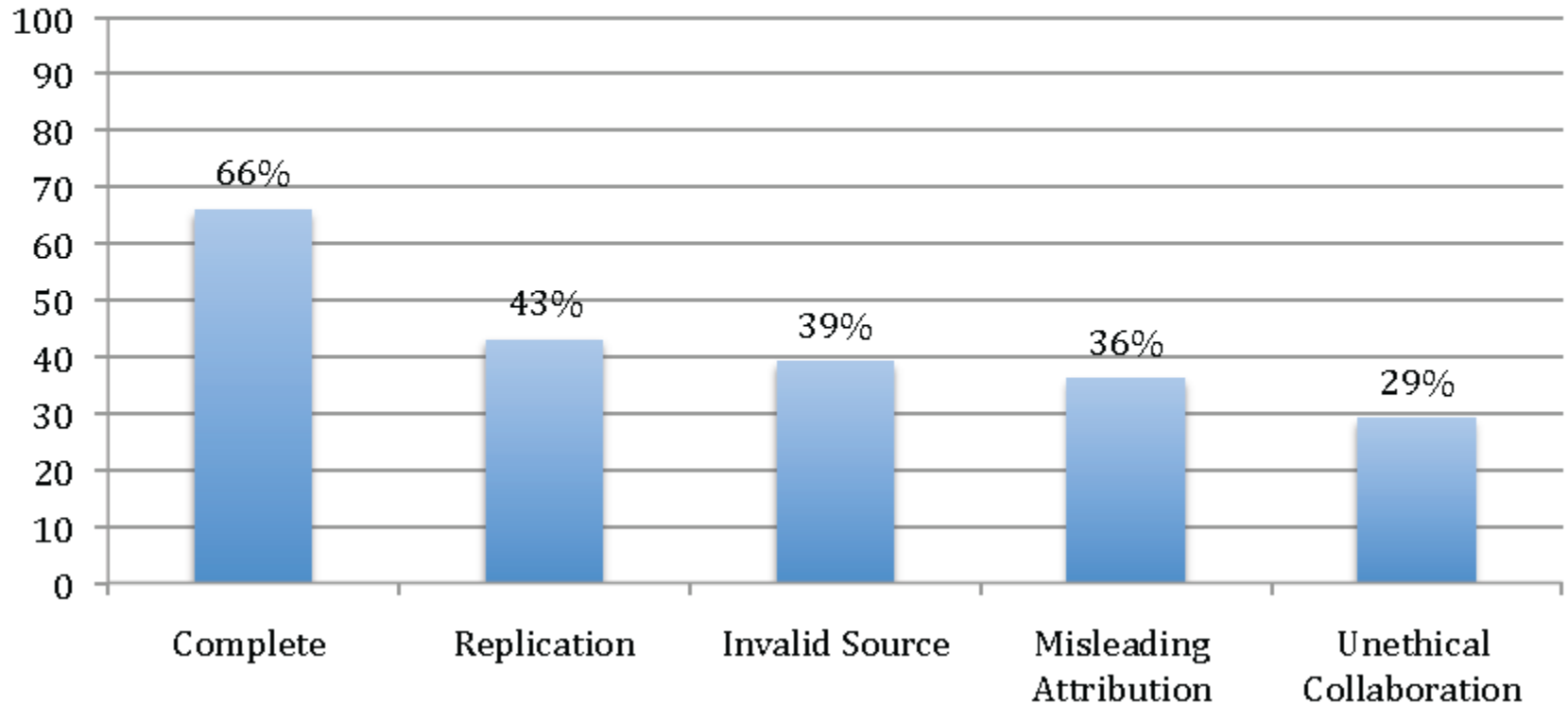
10 Major source of plagiarism

1. **Replication:** Submitting a paper to multiple publications in an attempt to get it published more than once
2. **Duplication:** Re-using work from one's own previous studies and papers without attribution
3. **Secondary Source:** Using a secondary source, but only citing the primary sources contained within the secondary one
4. **Misleading Attribution:** Removing an author's name, despite significant contributions; an inaccurate or insufficient list of authors who contributed to a manuscript
5. **Invalid Source:** Referencing either an incorrect or nonexistent source
6. **Paraphrasing:** Taking the words of another and using them alongside original text without attribution
7. **Repetitive Research:** Repeating data or text from a similar study with a similar methodology in a new study without proper attribution
8. **Unethical Collaboration:** Accidentally or intentionally use each other's written work without proper attribution; when people who are working together violate a code of conduct
9. **Verbatim:** copying of another's words and works without providing proper attribution, indentation or quotation marks
10. **Complete:** Taking a manuscript from another researcher and resubmitting it under one's own name

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Least Common Forms of Plagiarism and Attribution Issues in Research



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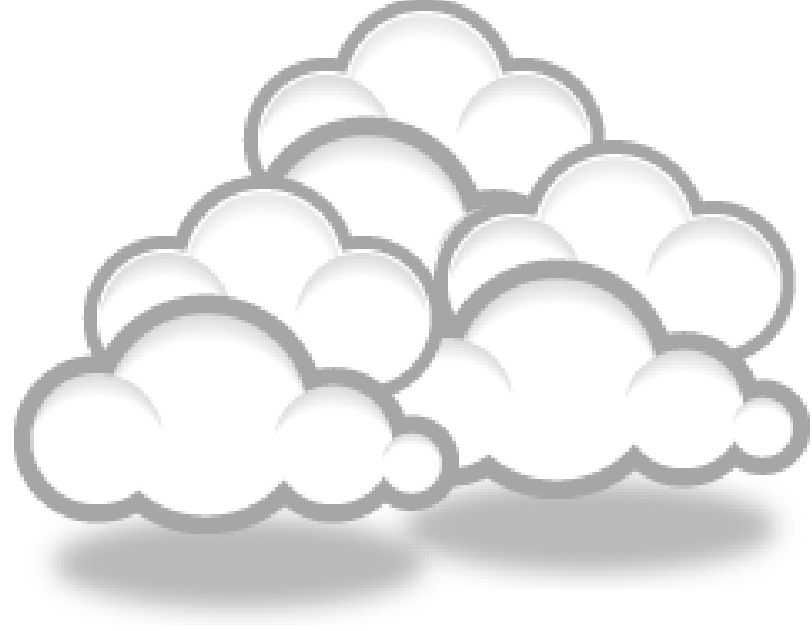
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zotero



Reference Management Tools

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2. General Features

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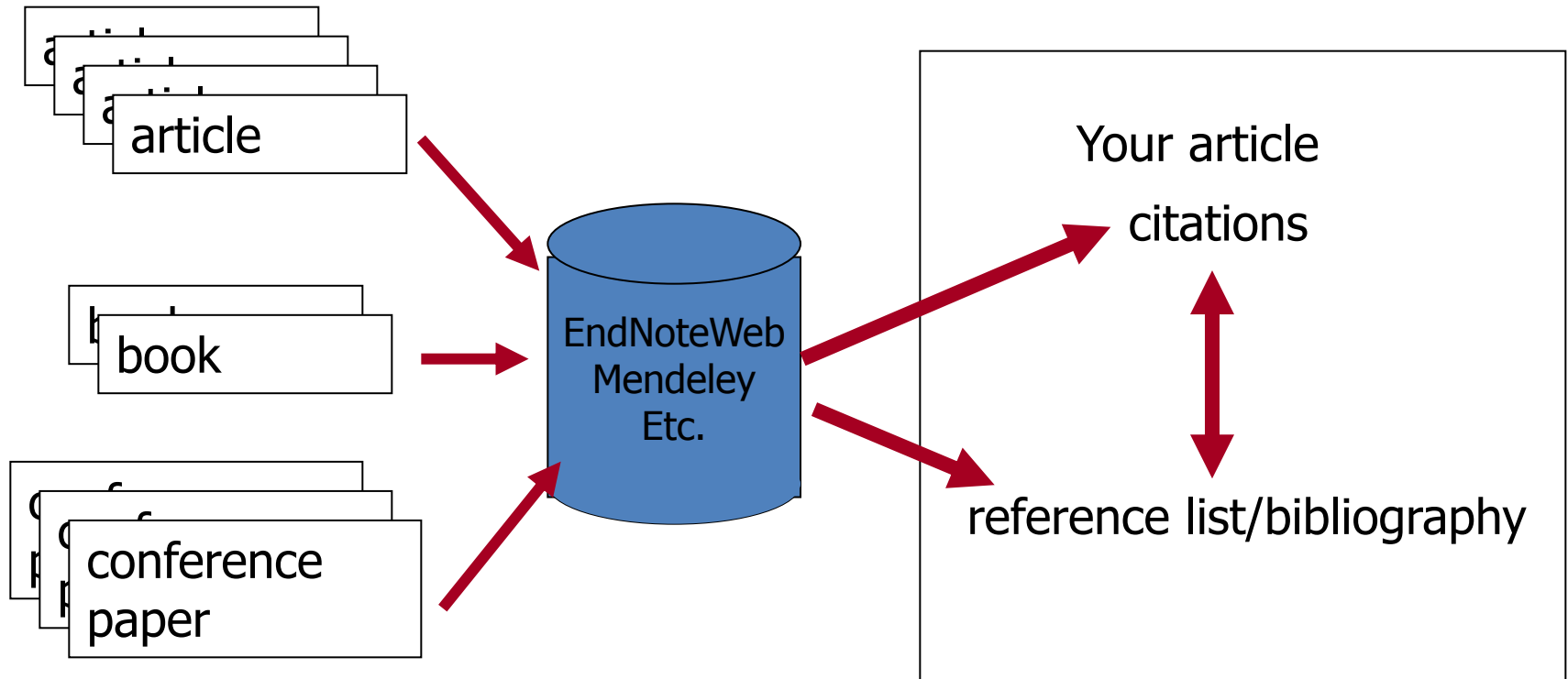
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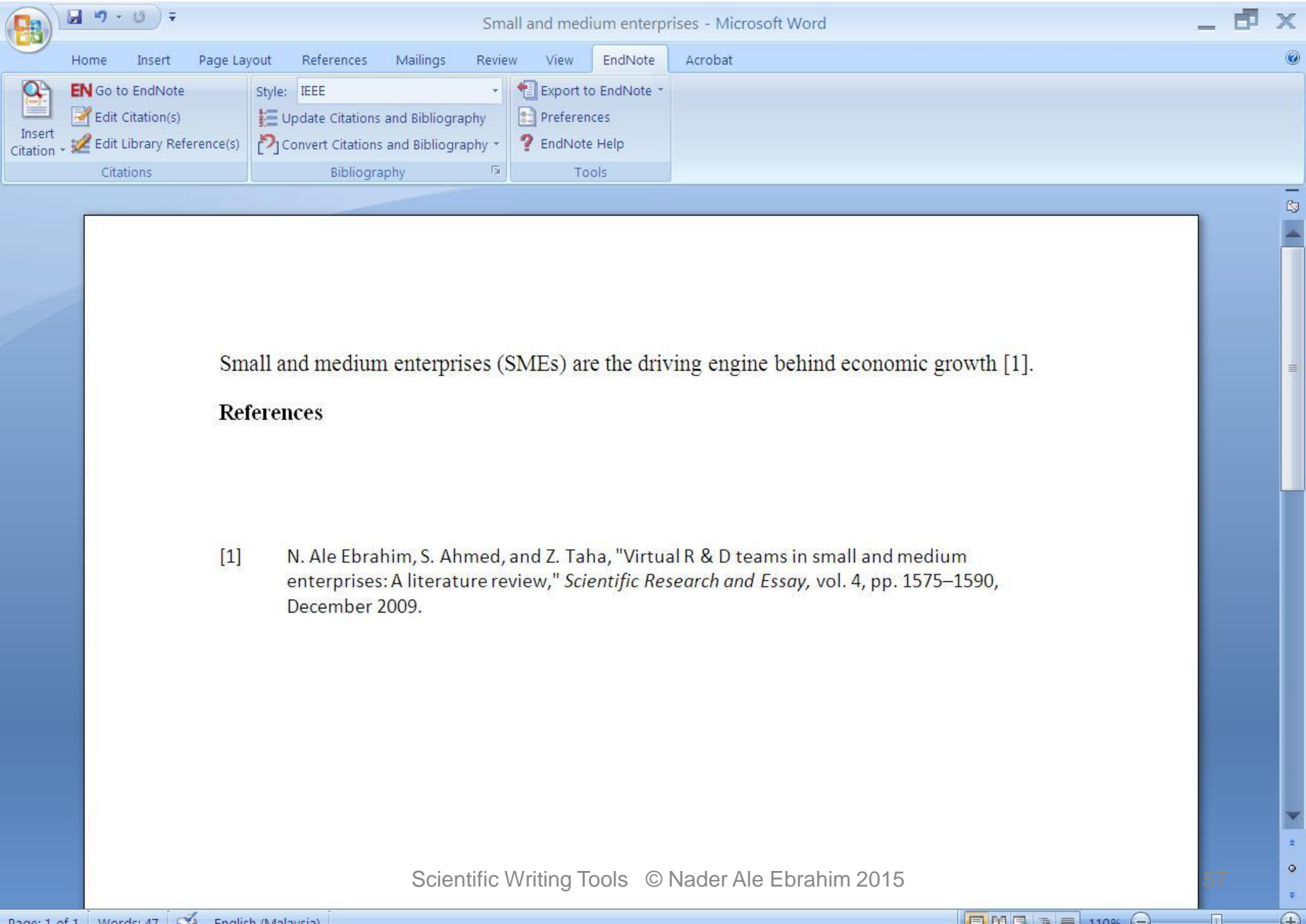
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Small and medium enterprises (SMEs) are the driving engine behind economic growth [1].

References

- [1] N. Ale Ebrahim, S. Ahmed, and Z. Taha, "Virtual R & D teams in small and medium enterprises: A literature review," *Scientific Research and Essay*, vol. 4, pp. 1575–1590, December 2009.

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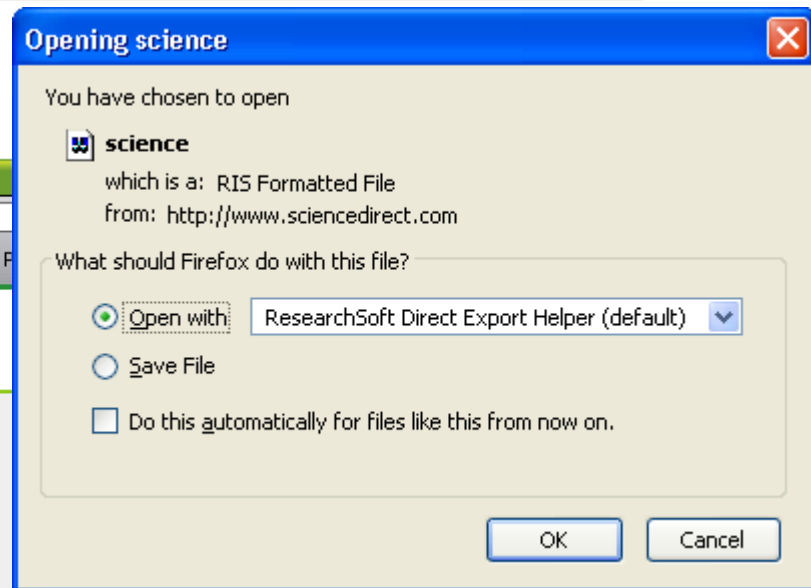
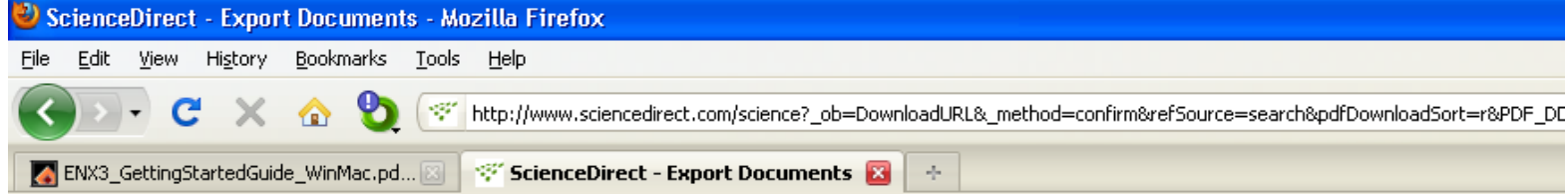
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The screenshot displays the Qiqqa interface with a reference entry for the paper "Mathematical modelling of cytokine-mediated inflammation in rheumatoid arthritis" by Michelle Baker. The interface includes a sidebar with filters, a main content area with the reference details, and a right-hand pane with document thumbnails.

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Mathematical modelling of cytokine-mediated inflammation in rheumatoid arthritis

MICHELLE BAKER*

Centre for Mathematical Medicine and Biology, School of Mathematical Sciences, University of Nottingham, Nottingham NG7 2RD, UK

THEMES IN THIS DOCUMENT

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	Variations on the adiabatic invariance: The Lorentz pendulum Sanchez-Soto, L. L. and Zoido, J. <input type="checkbox"/> Education;invariance;Multidisciplinary;PASSAGE;pendulums;Physics;physics education;POPULATION TRANSFER;Scientific Disciplines;STRING LENGTH;SYSTEMS;THEOREM;VIBRATIONAL LEVELS	2013 <i>American Journal of Physics</i> - sanchezsoto2013variationsonthe -
	Variables Affecting Physics Achievement Lawrenz, F. and Wood, N. B. and Kirchoff, A. and Kim, N. K. and Eisenkraft, A. <input type="checkbox"/> analysis;education;gender differences;HLM;instruction;minority-students;path;performance;physics achievement;physics education;physics first;professional-development;reforms;science achievement;student-achievement;teacher/la	2009 <i>Journal of Research in Science Teaching</i>
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Thank you!

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