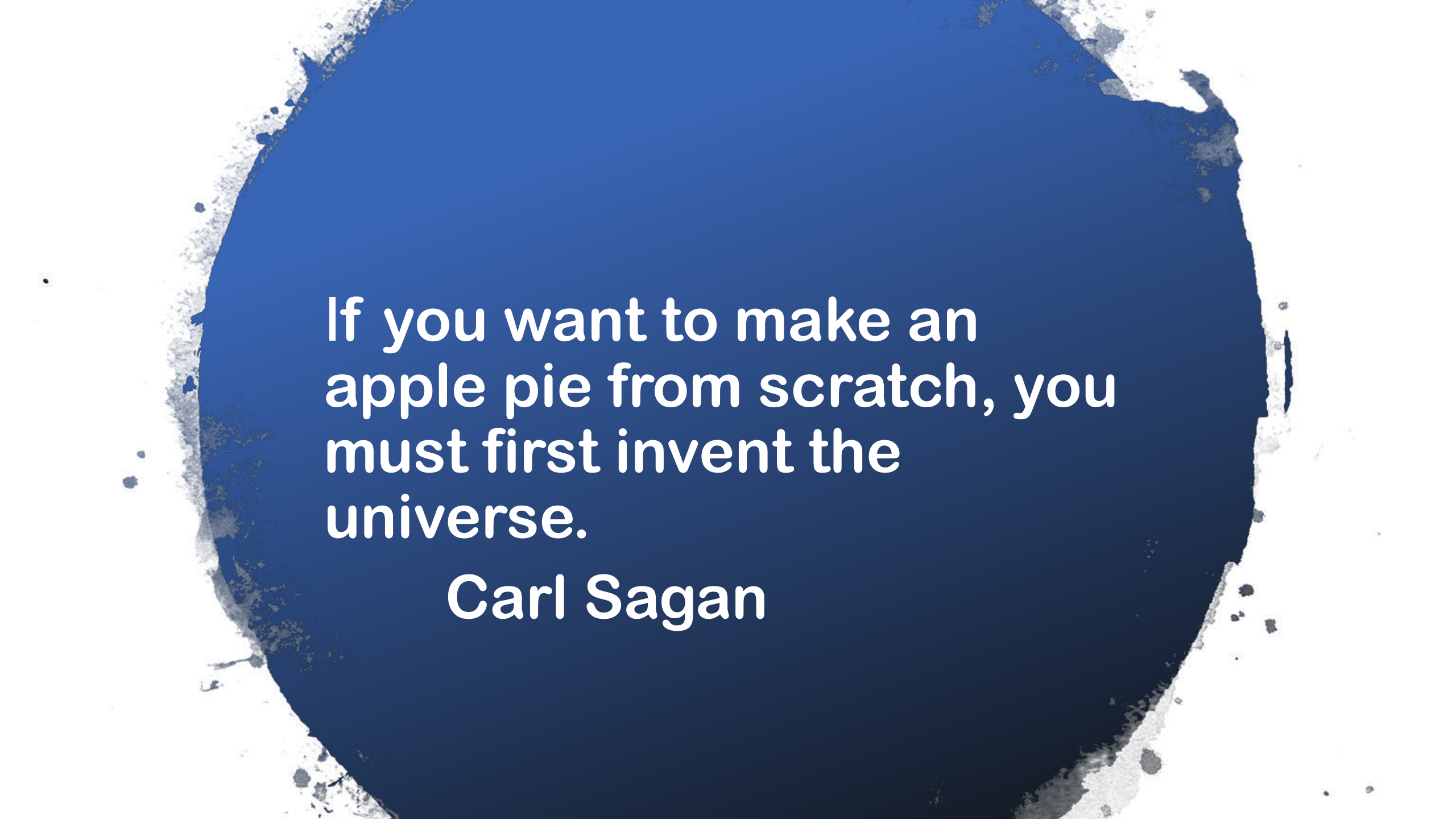




Evaluating your research

**Let's talk CRAAP is it any
good?**



If you want to make an
apple pie from scratch, you
must first invent the
universe.

Carl Sagan

IS IT ANY GOOD – THE CRAAP TEST



- Once you have found the information it is important to evaluate it so that you can keep what's best. You need to think critically about the sources you find and not accept them at face value. You can use something called the CRAAP test to assess information for the following:



CRAAP

- Ask yourself the following questions:
- **Currency** - Consider the **date**?
- **Relevancy** - Is it for a general **audience** or a specialist group?
- **Authority** - Is the author a **specialist** in the field?
- **Accuracy** - Is the information **accurate**?
- **Purpose** - Was it written to **persuade** or **inform**?



Currency

Currency

- Ask yourself the following questions:
- Consider the **date**?
- When was it published?
- When was it written?
- Does it have a date on it?
- How important is it that you have up to date information?

Relevancy

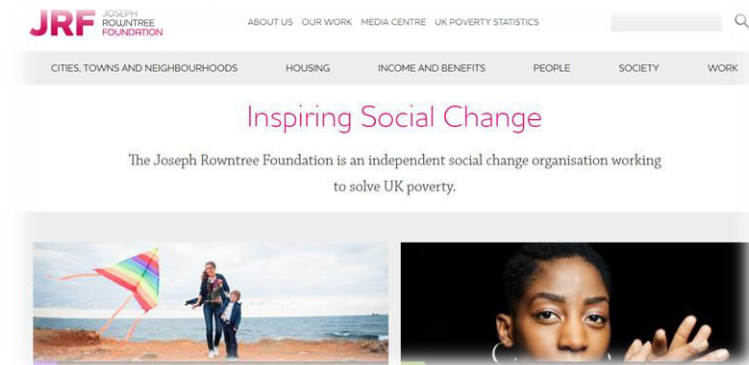
Relevancy

- Ask yourself the following questions:
- Does it fit your purpose
- Will your argument be stronger if you include this?
- Don't be tempted to use/reference all the sources you find
- What's the best source that makes a point?

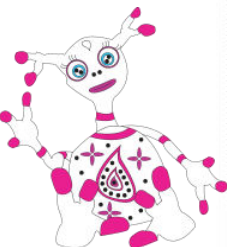


Authority

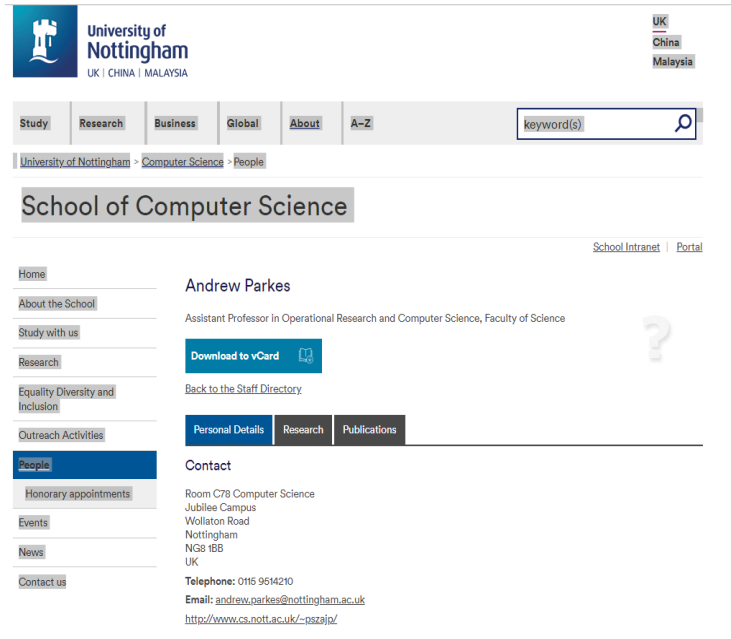
- Authority
- Ask yourself the following questions:
 - Who has written the piece?
 - Do you trust them?
 - Have you searched for their background via Google/Research Gate/Twitter/University Page etc.
 - Where was it published? Who were the audience?
 - Was it funded by a company/government/individual



<https://www.bbc.co.uk/programmes/p02nrss1/episodes/downloads> (1min 29)



Who Are they?



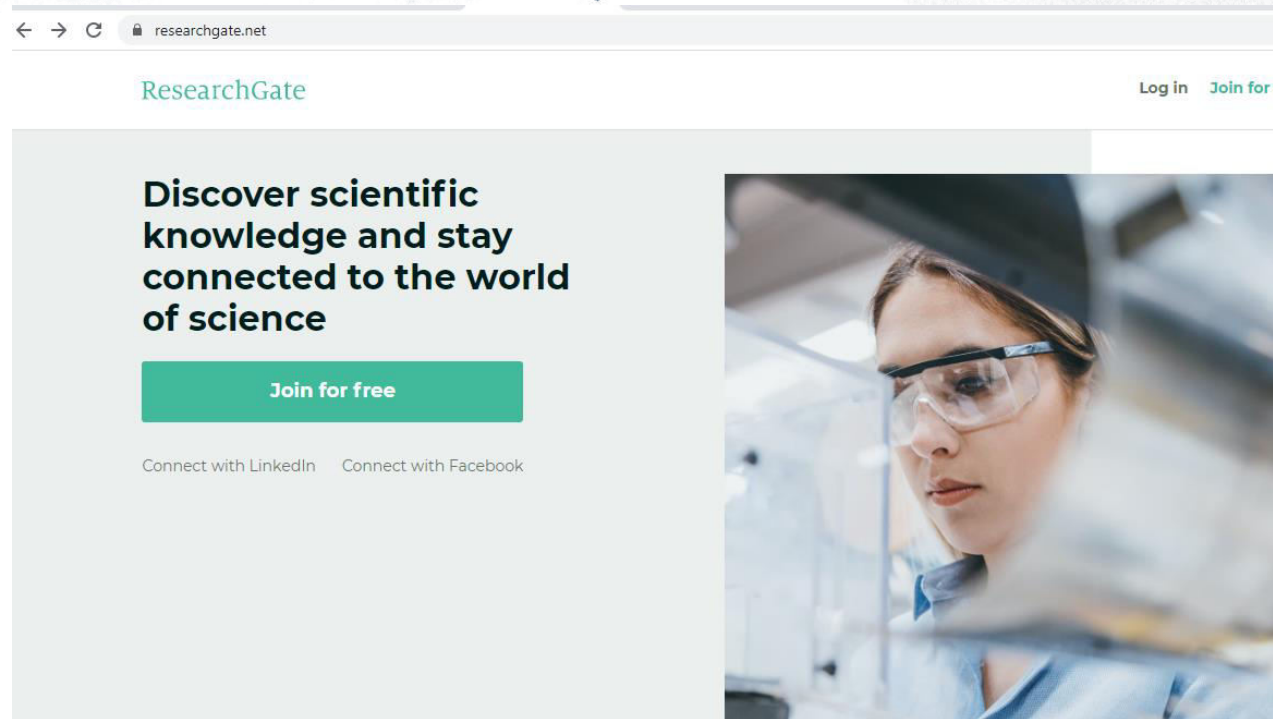
The screenshot shows the University of Nottingham website. The header includes the university logo and navigation links for UK, China, and Malaysia. Below the header is a search bar and a breadcrumb trail: University of Nottingham > Computer Science > People. The main content area is titled "School of Computer Science" and features a profile for Andrew Parkes. The profile includes a "Download to vCard" button, a "Back to the Staff Directory" link, and a "Contact" section with the following details: Room C78 Computer Science, Jubilee Campus, Wollaton Road, Nottingham, NG8 1BB, UK. Telephone: 0115 9514210, Email: andrew.parkes@nottingham.ac.uk, and a URL: http://www.cs.nott.ac.uk/~estajp/.



The screenshot shows a ResearchGate profile for Andrew Parkes. The profile includes a header with the name "Andrew Parkes" and a "Follow" button. Below the header is a list of publications, each with a title, a brief description, and a "View" button. The publications listed include "A multi-objective approach to multi-objective optimization" and "A multi-objective approach to multi-objective optimization".

Research Gate or <https://www.researchgate.net/>

Who Are they?



Research Gate or <https://www.researchgate.net/>

Who Are they?

 This website uses cookies to improve service and provide tailored ads. By using this site, you agree to this use. [See all cookies](#)

Linked in:

<https://uk.linkedin.com/in/alex>

LinkedIn

People ▾

Alex

Zarifeh



Alex Zarifeh

Director of Careers & Enrichment, Arthur Terry School

United Kingdom · 105 connections

Join to Connect



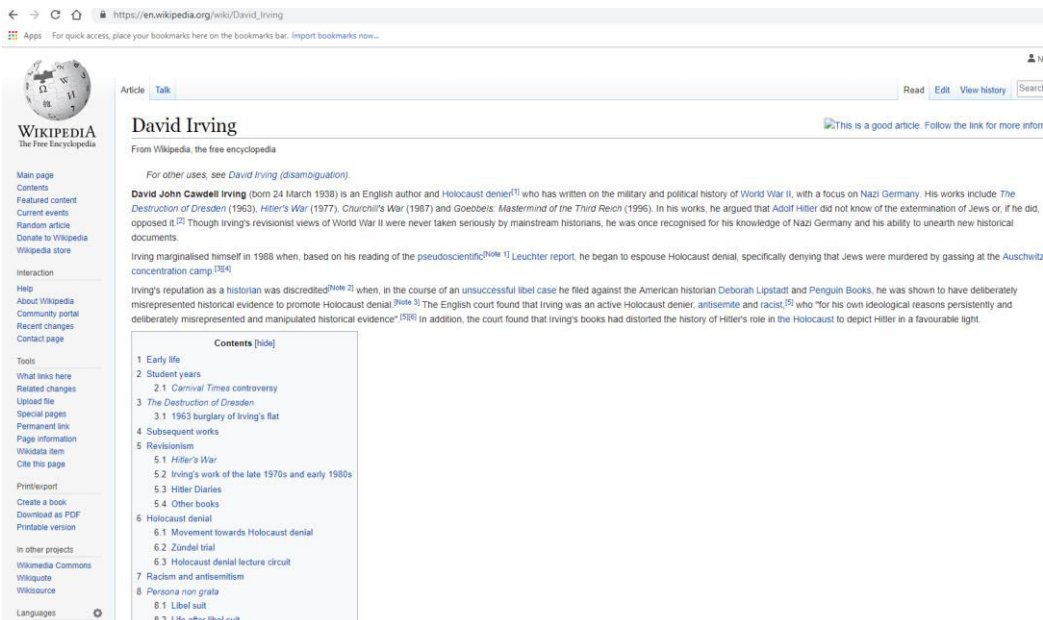
Accuracy

<https://www.youtube.com/watch?v=yH7ktvUWaYo>

Accuracy

➤ David Irving – Holocaust Denier

- In his works, he argued that [Adolf Hitler](#) did not know of the extermination of Jews or, if he did, he opposed it.



The screenshot shows the Wikipedia article for David Irving. The article text states: "David John Caldwell Irving (born 24 March 1928) is an English author and Holocaust denier^[1] who has written on the military and political history of World War II, with a focus on Nazi Germany. His works include *The Destruction of Dresden* (1963), *Hitler's War* (1977), *Churchill's War* (1987) and *Goebbels: Mastermind of the Third Reich* (1996). In his works, he argued that Adolf Hitler did not know of the extermination of Jews or, if he did, opposed it.^[2] Though Irving's revisionist views of World War II were never taken seriously by mainstream historians, he was once recognised for his knowledge of Nazi Germany and his ability to unearth new historical documents. Irving marginalised himself in 1968 when, based on his reading of the pseudoscientific^{[3][4]} Leuchter report, he began to espouse Holocaust denial, specifically denying that Jews were murdered by gassing at the Auschwitz concentration camp.^[5] Irving's reputation as a historian was discredited^{[6][7]} when, in the course of an unsuccessful libel case he filed against the American historian Deborah Lipstadt and Penguin Books, he was shown to have deliberately misrepresented historical evidence to promote Holocaust denial.^{[8][9]} The English court found that Irving was an active Holocaust denier, antisemite, and racist^[2] who "for his own ideological reasons persistently and deliberately misrepresented and manipulated historical evidence"^[10] In addition, the court found that Irving's books had distorted the history of Hitler's role in the Holocaust to depict Hitler in a favourable light.

Contents [hide]

- 1 Early life
- 2 Student years
 - 2.1 *Carnival Times* controversy
- 3 *The Destruction of Dresden*
 - 3.1 1963 burglary of Irving's flat
- 4 Subsequent works
- 5 Revisionism
 - 5.1 *Hitler's War*
 - 5.2 Irving's work of the late 1970s and early 1980s
 - 5.3 *Hitler Diaries*
 - 5.4 Other books
- 6 Holocaust denial
 - 6.1 Movement towards Holocaust denial
 - 6.2 *Zündel* trial
 - 6.3 Holocaust denial lecture circuit
- 7 Racism and antisemitism
- 8 *Persona non grata*
 - 8.1 Libel suit
 - 8.2 Life after libel suit



Accuracy

Accuracy

- Ask yourself the following questions:
- Is the information correct?
- Are the sources cited ?
- Check with another source
- Check the details/ cross check
- Where does the data come from?
- Try and find the original report
- If it is a controversial argument it still may be worth including



Conservatives criticized for rebranding their Twitter Site during election campaign

Irish Politics International Voices Family Culture Business Brexit My Feed

Tags # BORIS JOHNSON # CONSERVATIVE PARTY # FACTCHECKUK # JEREMY CORBYN

Conservative Party criticised over 'misleading' re-brand of Twitter account to bogus factcheck page

The fake account 'proved' and 'debunked' several claims during the debate.

Nov 19th 2019, 9:45 PM 10,033 Views 8 Comments Share 49 Tweet Email



Johnson and Corbyn face off during this evening's debate



factcheckUK FROM CCHQ

factcheckUK @CCHQPress

Fact checking Labour from CCHQ

Westminster Joined July 2009

2,252 Following 74.9K Followers

Followed by MigrationWatchWatch, A Walk On Part, The Stagers, and 141 others

factcheckUK @CCHQPress - 11s

FACT: @jeremycorbyn said a second independence referendum would be "absolutely fine"
A screengrab of the @CCHQPress rebrand during the debate

A number of factchecking outlets criticised the re-brand while the debate was ongoing.

Metro, November 19th, 2019

Accuracy

[HTML] Regenerative Properties of a Manuka Honey Incorporated Membrane in a Porcine Model

[HTML] irispublishers.com



S JA Evensky, MS Green, SH Stein... - ... & Oral Health, 2019 - irispublishers.com

... irispublishers-openaccess-dentistry-oral-health. No evidence of necrosis was found in any sample at any time point ... There are also studies showing the topical **use of honey** accelerating wound healing from the bactericidal and energy producing properties [28] ...

Outline

Abstract

Graphical abstract

Keywords

1. Introduction

2. Chemistry of honey

3. Traditional and pharmacological uses of honey

4. The oral cavity and oral health

5. Conclusions

Conflict of interest

Ethical statement

References

Show full outline

Figures (1)



☆ Related articles

Honey in oral health and care: A mini review

Eilidh I. Ramsay ^{a,b}, Suresh Rao ^c, Lal Madathil ^d, Sanath K. Hegde ^e, Manjeshwar P. Baliga-Rao ^a, Thomas George ^b, Manjeshwar S. Baliga ^{f,g},

Show more

<https://doi.org/10.1016/j.job.2018.12.003>

[Get rights and content](#)

Abstract

Background

Honey is a natural product made from the **nectar** of flowers by **honey bees** and has over 200 compounds in it, including sugars, water, **organic acids**, minerals and **polyphenols** - the exact structure and composition of honey often

Purchase PDF [View details](#)

Three-dimensional configuration of apical e...
Journal of Oral Biosciences, Volume 61, Issue 1, 20...

Purchase PDF [View details](#)

Oral biosciences: The annual review 2018
Journal of Oral Biosciences, Volume 61, Issue 1, 20...

Purchase PDF [View details](#)

1 2 Next >

Citing articles (1)

Article Metrics

[Feedback](#)

- Example: Honey recommended for oral health?

Accuracy

irispublishers.com/ojdo/h/fulltext/regenerative-properties-of-a-manuka-honey-incorporated-membrane-in-a-porcine-model.ID.000520.php

+1-628-201-9788 NLM Catalog Site Map FAQ's

Iris Publishers Home About Us Journals For Authors & Editors Submit Manuscript Contact Us

Online Journal of Dentistry & Oral Health - OJDOH

Contact us at:
✉ dentistry@irispublishers.com
✉ dentistry@irispublishers.org
✉ dentistry@irissciences.co

Research Article

Regenerative Properties of a Manuka Honey Incorporated Membrane in a Porcine Model

Joshua A Evensky¹, Martyn S Green², Sidney H Stein^{3*}, Gary L Bowlin⁴ and Wainscott Hollis⁵

¹Main Line Periodontics and Dental Implants, P.C., USA
²Department of Periodontology, Tufts University School of Dental Medicine, USA
³Department of Periodontology, The University of Tennessee Health Science Center, USA
⁴Department of Biomedical Engineering, The University of Memphis, USA
⁵Department of Prosthodontics, The University of Tennessee Health Science Center, USA

✉ Corresponding Author

Received Date: January 22, 2019; Published Date: February 04, 2019

Download PDF

Abstract

Article Details

ISSN: 2641-1962
DOI: 10.33552/OJDOH.2019.01.000520
Volume 1 - Issue 4, 2019
Open Access

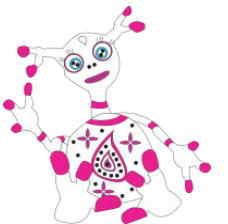
Citation

- Example: Honey recommended for oral health?

Purpose

Purpose

- Ask yourself the following questions:
- Why does this information exist?
- Is it trying to sell you something?
- Persuade?
- Give opinion?
- Support a theory or clinical research?
- Once you know that you can decide how to use the material



It's personal.....

<https://www.theguardian.com/commentisfree/2020/feb/05/gp-anti-vaxxers-mmr-vaccine-measles>

As a GP, I don't get angry with anti-vaxxers, I just give them the facts
Ann Robinson

Ten years after the infamous paper on the MMR vaccine and autism was withdrawn, I still have to explain to parents why measles is a threat



Wed 5 Feb 2020 09:57 GMT

345 681

It's personal...



2019 saw a huge rise in measles cases in the US

Why?

- <https://www.youtube.com/watch?v=qRrAPKOhHL0>

Retraction watch

- One example -
- Andrew Wakefield a respected researcher published a paper in the Lancet 1998 claiming there was a link between autism and childhood vaccines.

Top 10 most highly cited retracted papers

Ever curious which retracted papers have been most cited by other scientists? Below, we present the list of the 10 most highly cited retractions as of October 2018. Readers will see some familiar entries, such as the infamous *Lancet* paper by Andrew Wakefield that originally suggested a link between autism and childhood vaccines. You'll note that many papers — including the #2 most cited paper — received more citations after they were retracted, which research has shown is an ongoing problem.

Although just missing out on the top ten and coming in at number 11 – with 605 citing articles – this article is also designated as a “Highly Cited Paper” by Clarivate Analytics’ Web of Science, meaning it was ranked in the top one percent of all papers in its subject field in the last 10 years: *Selective killing of cancer cells by a small molecule targeting the stress response to ROS*. NATURE July 14, 2011. (by: Lakshmi Raj, Takao Ide, Aditi U. Gurkar, Michael Foley, Monica Schenone, Xiaoyu Li, Nicola J. Tolliday, Todd R. Golub, Steven A. Carr, Alykhan F. Shamji, Andrew M. Stern, Anna Mandinova, Stuart L. Schreiber, Sam W. Lee).

Retraction watch

Retraction Watch

Tracking retractions as a window into the scientific process

PAGES

Help us: Here's some of what we're working on

How you can support Retraction Watch

Meet the Retraction Watch staff

About Adam Marcus

About Ivan Oransky

Privacy policy

Retraction Watch Database User Guide

Retraction Watch Database User Guide Appendix A: Fields

Retraction Watch Database User Guide Appendix B: Reasons

Total recall: Brazilian journal issues “total retraction” of plagiarized paper



We've seen [partial retractions](#), and [retract-and-replacements](#), but here's a first (cue timpanis): The Total Retraction.

A Brazilian journal has pulled a 2018 paper on food security for plagiarism — at least, that's what really happened; the stated reasons are a bit sauced up.

Follow

• <https://retractionwatch.com/>

Top Marks

C 2009, old and not recently updated

R very relevant as one of my paragraphs will be about this

A authors are part of a research team in London

A other papers found echo these ideas

P to contribute to academic research and make people aware of the issues single parents face

A good and bad example..

- <https://www.youtube.com/watch?v=NI5JZVueLkg>



Useful Web sites

BBC:

<https://www.bbc.co.uk/news/topics/cjxv13v27dvt/fake-news>

Research gate : <https://www.researchgate.net/>

CBS: <https://www.cbsnews.com/pictures/dont-get-fooled-by-these-fake-news-sites/>

Retraction Watch: <https://retractionwatch.com/>

Google Scholar: <https://scholar.google.co.uk/>

Useful Web sites

More or

Less: <https://www.bbc.co.uk/programmes/p02nrss1/episodes/downloads>

The Media Show

: <https://www.bbc.co.uk/programmes/b00dv9hq/episodes/downloads>

Iside Science: <https://www.bbc.co.uk/programmes/p02nrss1/episodes/downloads>

All in the Mind: <https://www.bbc.co.uk/programmes/b006qxx9>