



Halal Pharmaceuticals: Patient counseling and drug information

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**CONGRESS
OF HALAL
QUALITY**

Sarajevo May 18th and 19th, 2023

SMIIC

Dr. Mohammed Ali is an associate professor of Clinical Pharmacy – Drug Information. He is an academic, researcher, Halal auditor, trainer, and consultant

He is Halal pharmaceuticals and cosmetics scientist his work and research focus on formulation adjustment – halal alternatives for mashbooh ingredients – halal critical chemicals analysis – halal enzymes – Halal culture media solutions and halal drug information.

Currently, Dr. Mohammed Ali is working at the general secretariat of SMIIC (The Standards and Metrology Institute for Islamic Countries) since January 2018 as an assistant specialist. He is an invited expert in Standards writing for halal food, halal pharmaceuticals, and halal cosmetics technical committee.

Scientific editor and committee member for World Halal Summit (2018 - 2022).

SMIIC TC1 WG1 porcine detection working group convener: this working group contains invited experts only to sets 6 methods standards for porcine detection in food and cosmetics.



TC1 Halal Food Issues

TC1WG1

TC1WG2

TC1WG3

TC1WG4



TC2 Halal Cosmetics Issues

TC2WG1



TC16 Halal Pharmaceuticals Issues

TC16WG1

TC16WG2

TC16WG3





How to choose what to study?

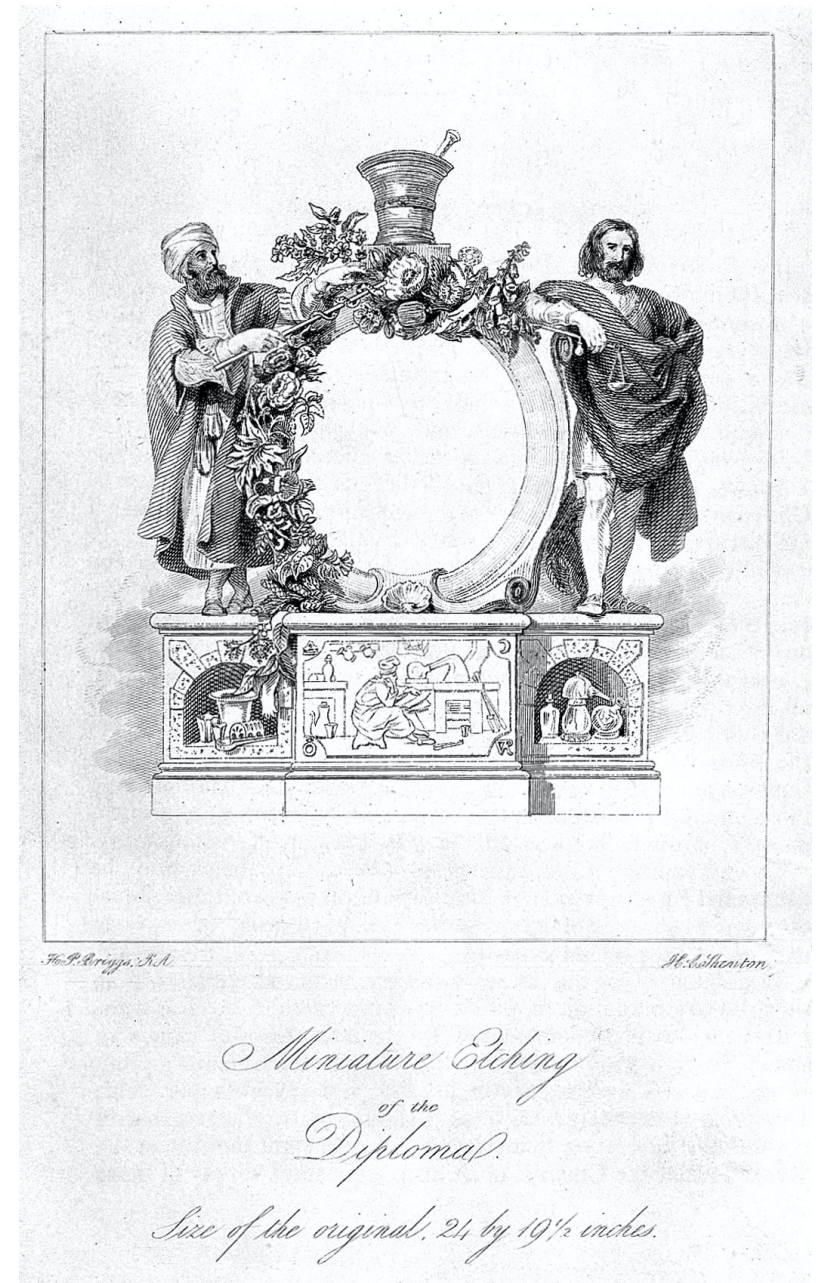
Pharmacy

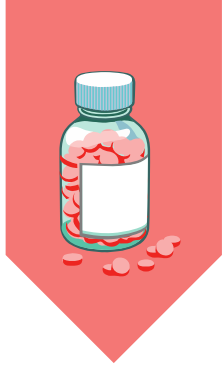
As an example



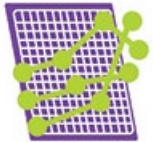


The first pharmacy in 753 in Baghdad





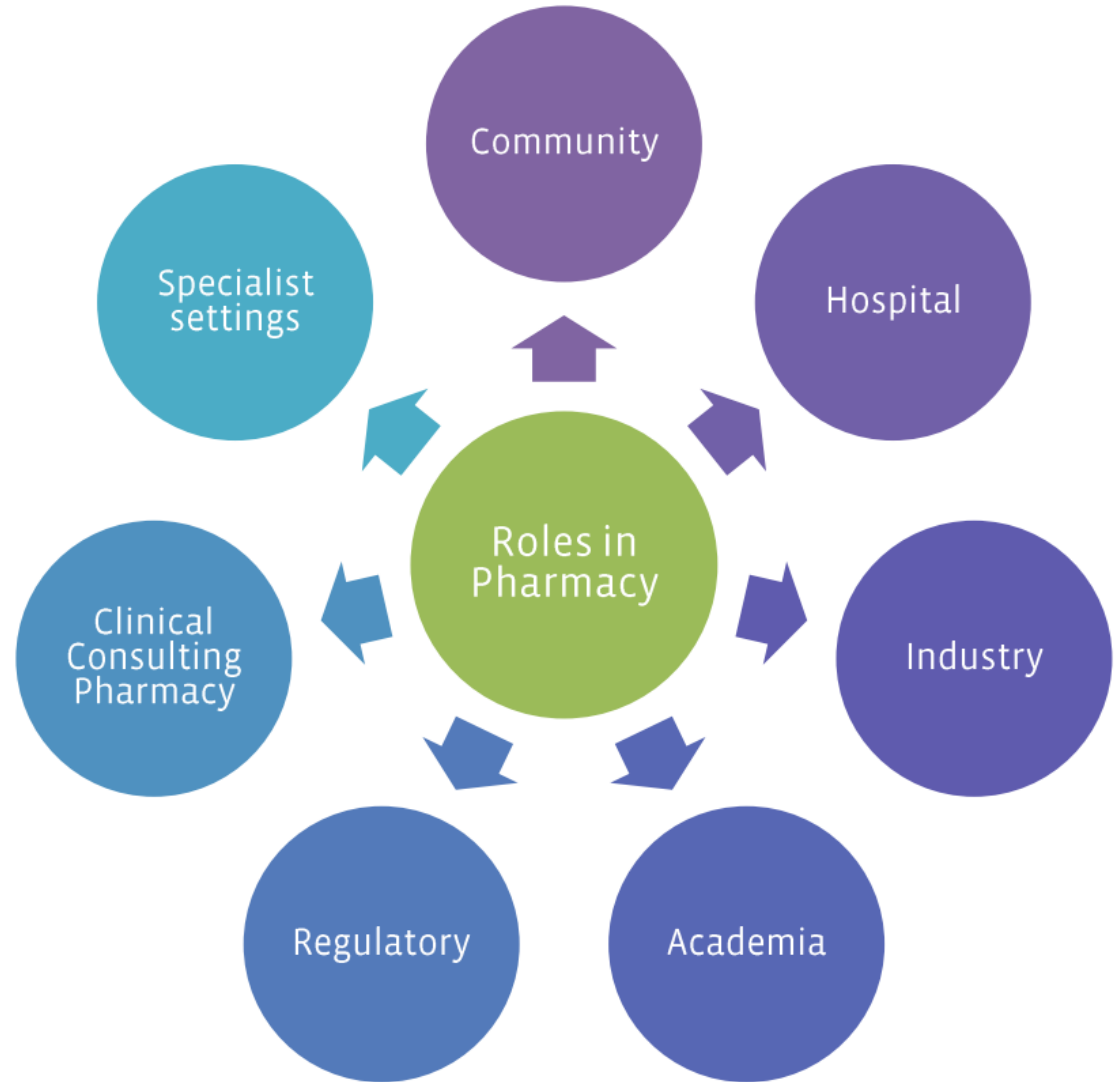
MANUFACTURING
YOUR GATEKEEPER



MARKETING
YOUR MEDICATION DISTRIBUTOR



ACADEMIC
YOUR DRUG DISCOVERER





REGULATIONS
YOUR LAW ENFORCER



RESEARCH
YOUR CLINICAL RESEARCHER



COMMUNITY
YOUR PARTNER IN HEALTHCARE



HOSPITAL

YOUR PATIENT-CARE TEAM PLAYER

community pharmacist + hospital pharmacist + subject matter expert

Clinical experience + drug therapy experience = good control of chronic diseases

Drug information is a subject in clinical pharmacy



**Clinical
Pharmacy**



Patient counseling

Providing medication information orally or in written form to the patient or their representatives on directions of use, advice on side effects, precautions, storage, diet, and lifestyle modifications.

Whether patient pregnant or breastfeeding?

Whether patient allergic to any medications?

What medications and supplements you're currently taking?





What side effects to watch for and what to do if they occur

When and how often to take the medication

Whether or not to take it with food

What to do if an allergy occurs

What foods, drinks, medications, or activities to avoid while taking the medication

If the medication needs to be refrigerated

What to do if you miss a dose or take too much



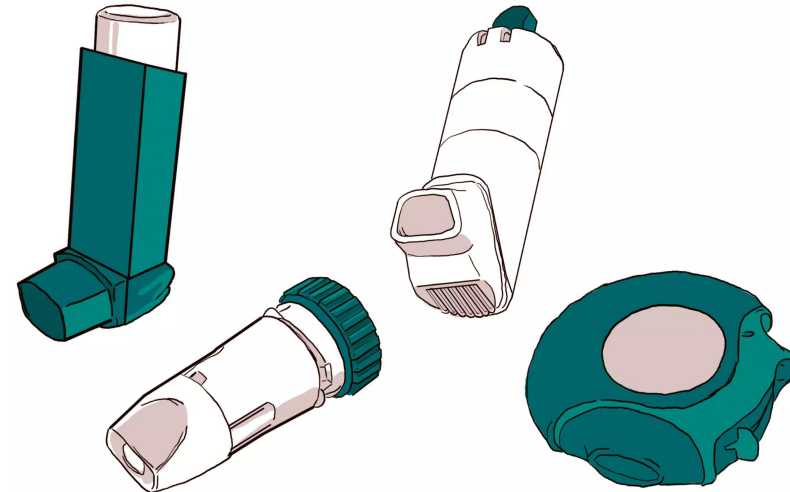


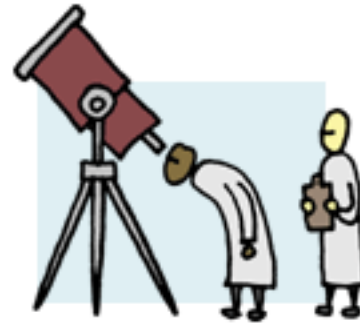
What is the origin of the medicine?

Is it Halal?

Is there any halal alternative?

The old fatwa about using non-halal medicines





Scientists study something.

The peer review process



Scientists write about their results.



Journal editor receives an article and sends it out for peer review.



Peer reviewers read the article and provide feedback to the editor.



Editor may send reviewer comments to the scientists who may then revise and resubmit the article for further review. If an article does not maintain sufficiently high scientific standards, it may be rejected at this point.



If an article finally meets editorial and peer standards it is published in a journal.

Drug Information Resources

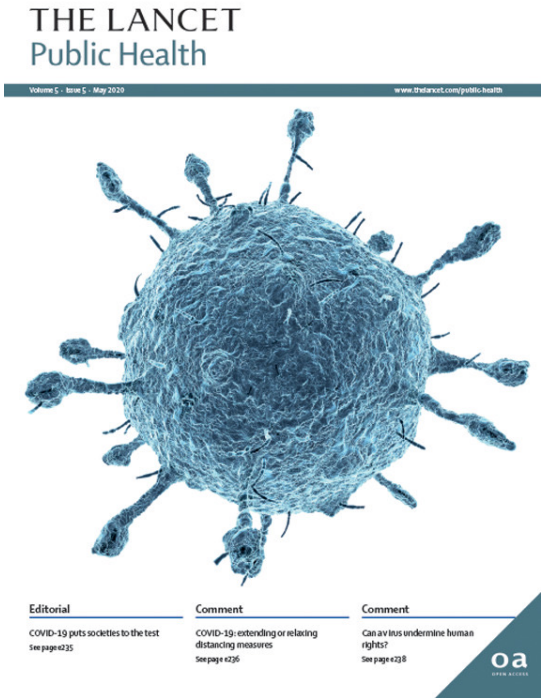
Primary resources

Journals

Clinical trials

Patent

Conference proceedings



Drug Information Resources

Primary resources

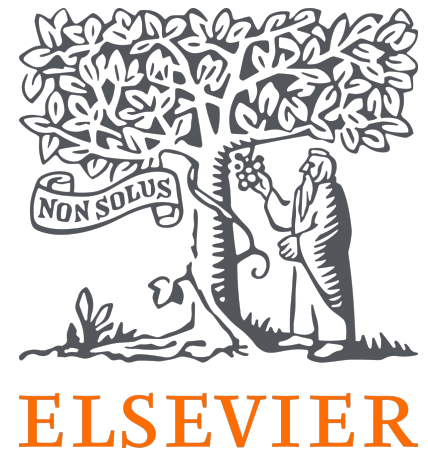
Journals

Clinical trials

Patent

Conference Proceedings

Halal Journals?





Secondary resources

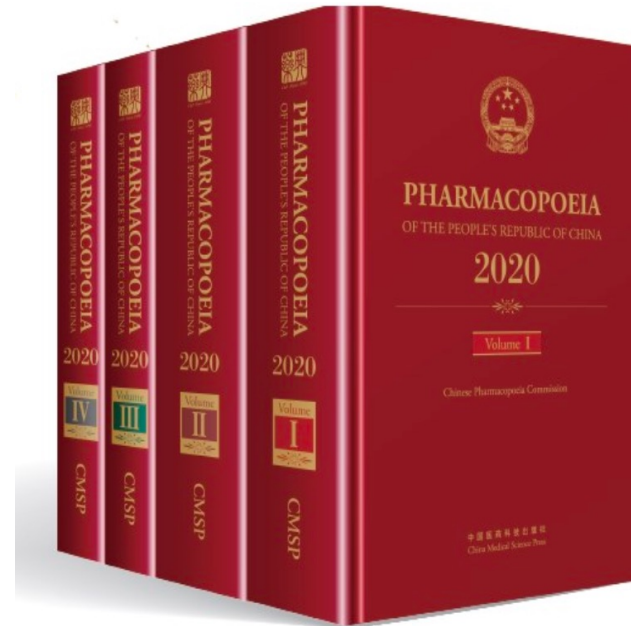
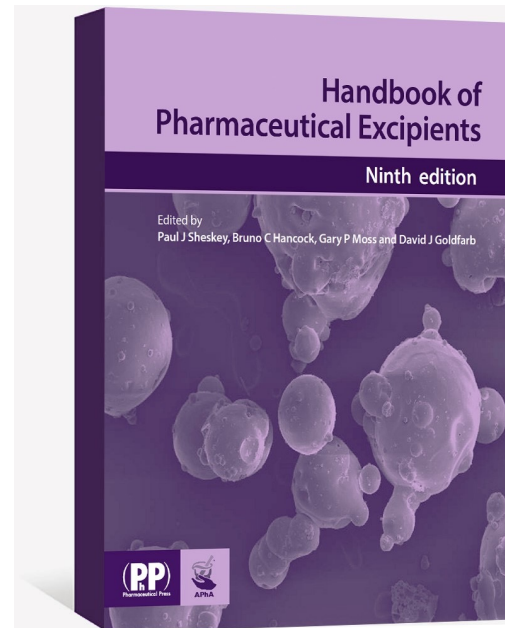
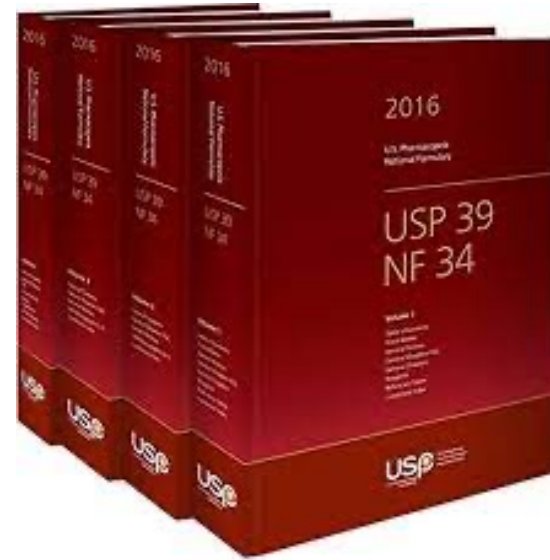
Abstracts and indexing services

Halal Abstracts?





Drug Information resources
Tertiary resources





Alphabetical ingredients monographs

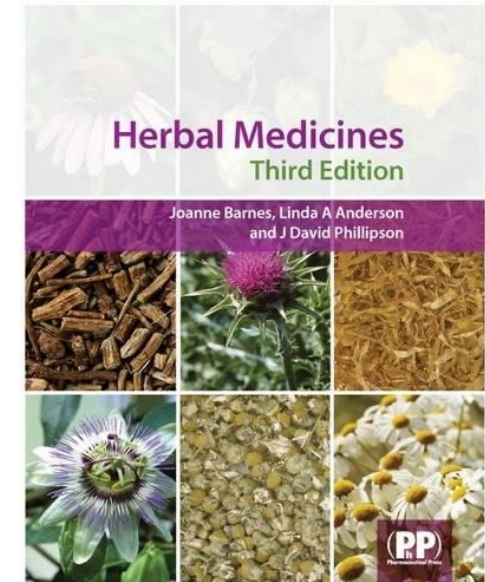
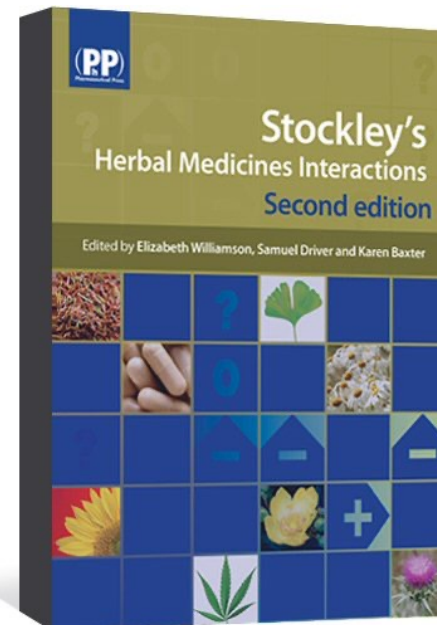
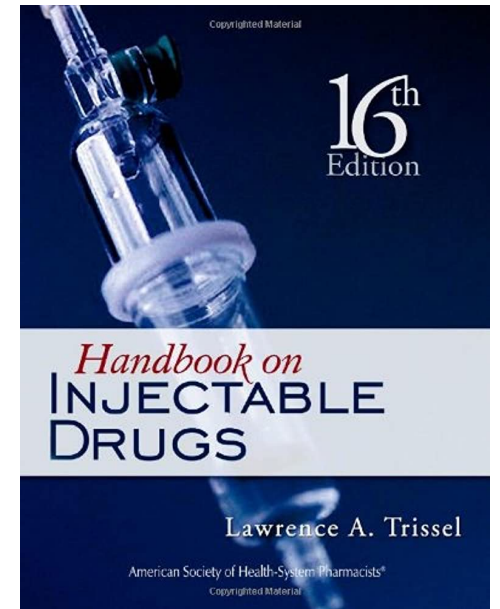
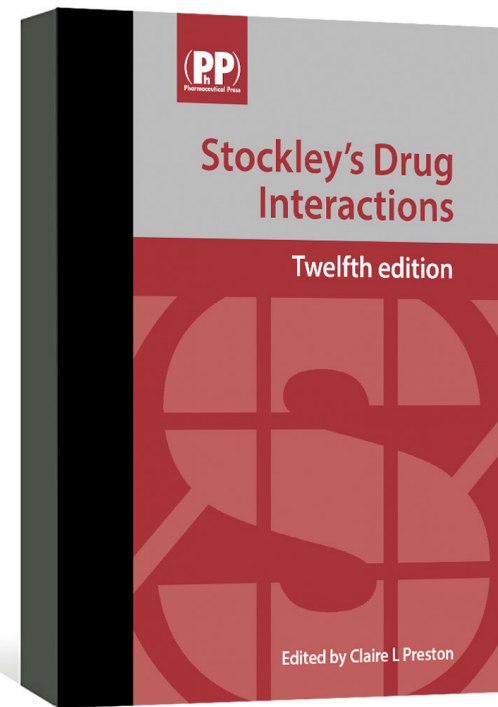
Chemical analysis and assays

Pharmacological system-based monographs

Uses, side effects, doses, interactions...etc.

Specialized sources

Injectable drugs, Chinese medicine, herbal medicine...etc.





Drug literature evaluation
 Clinical trials evaluation
 Statistical analysis
 Evidence-based medicine
 Systematic review articles

Science journalism and pop science



Scientist



Journalist

Expects Next Article To Be Published In

18 months

18 hours

Area of Expertise

role of P32 protein in suppression of expression of X8732 in lymphoma cells

Writing really fast

Idea of an interesting article about cancer

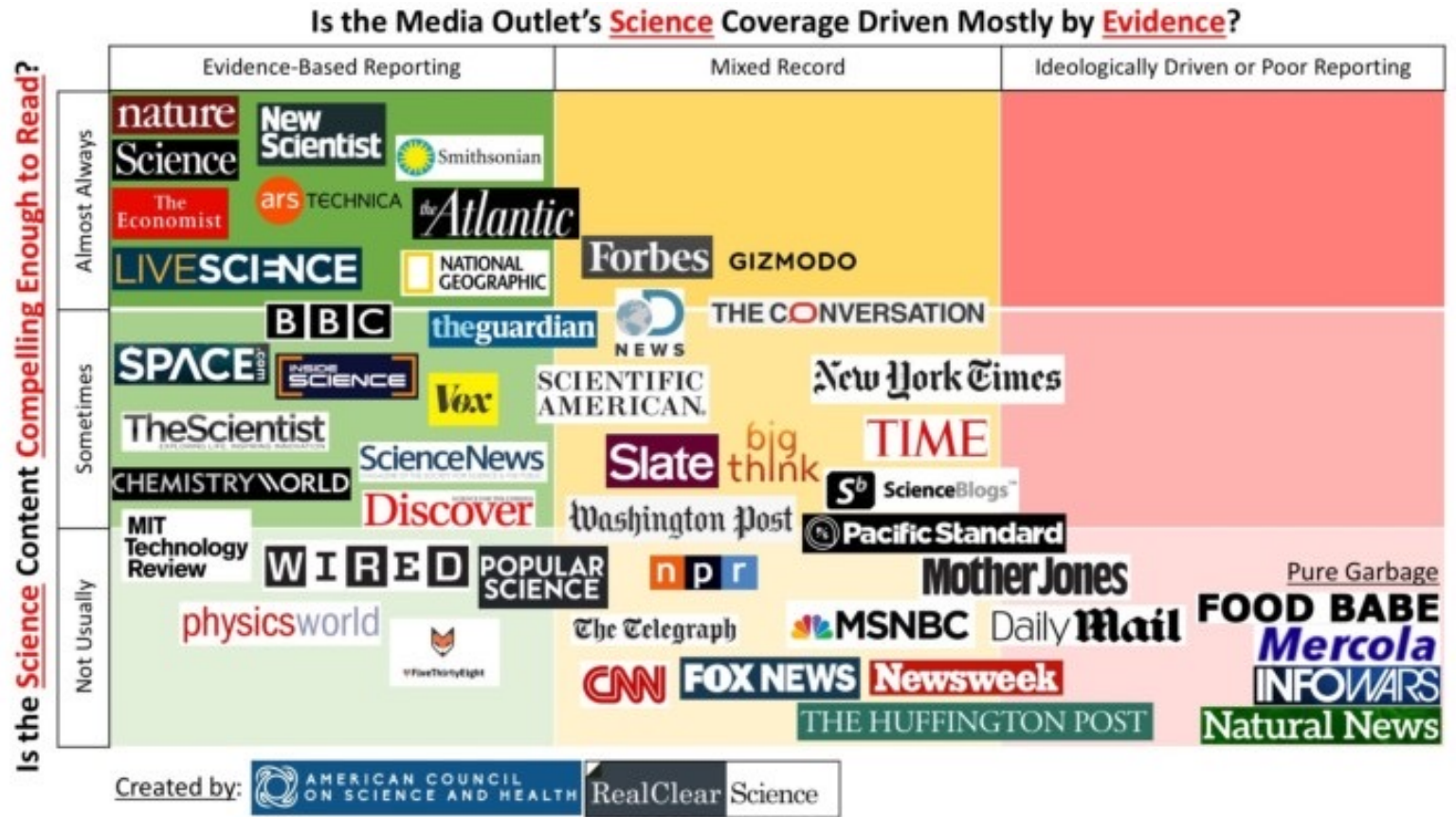
Knockout mice lacking P32 develop 94% higher rates of minimally differentiated acute myeloblastic leukemia but P32/X8732 double knockouts only have a 34% elevated rate

Scientists Find Leukemia Gene: Is Your Child At Risk?



Drug literature evaluation
 Clinical trials evaluation
 Statistical analysis
 Evidence-based medicine
 Systematic review articles

Science journalism and pop science





Drug literature evaluation and drug information specialists need a special training

Expensive software and databases are needed

Poison center as an example



The Malaysia National Poison Centre (NPC) at Universiti Sains Malaysia was established in 1994 on the directive of the Malaysia Cabinet to serve as a referral centre for drug and poison information.





Who knows more about halal pharmaceuticals?

We should work as a team

Both need training

A simple halal pharmaceuticals curriculum is needed

(Suggested in WHS2019)

Medical fiqh and medical ethics



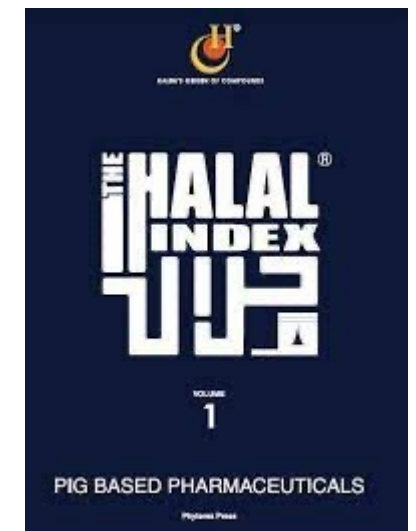
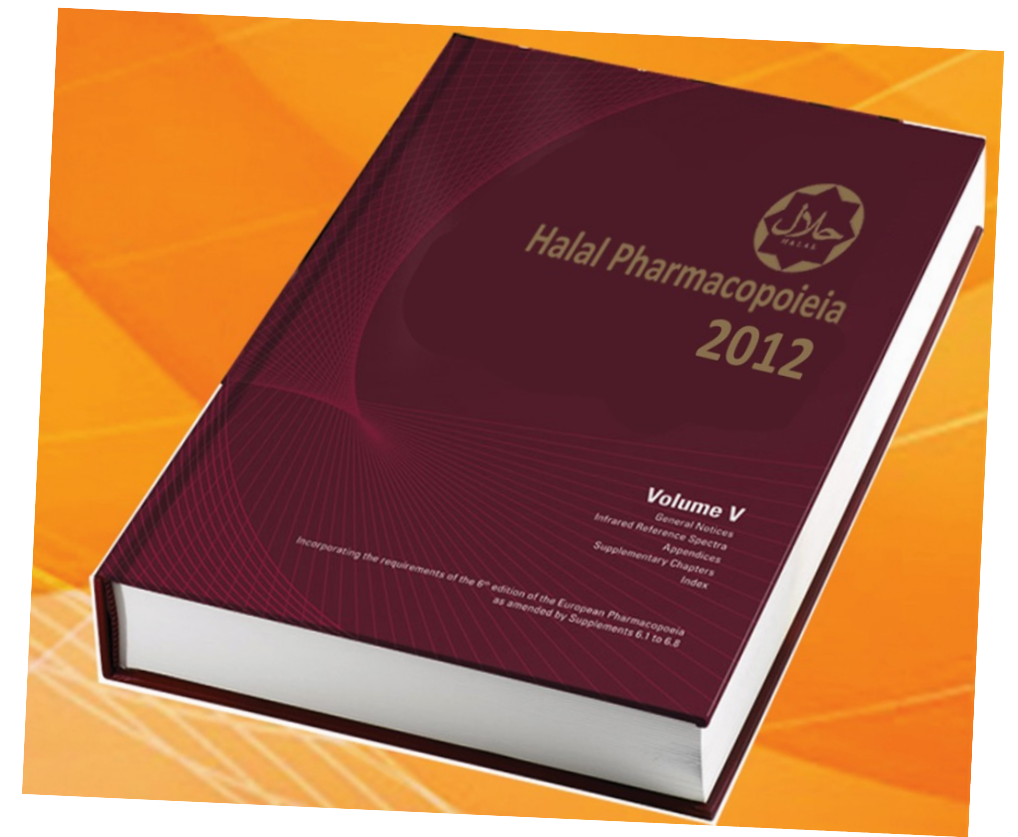


The awaited Halal pharmacopeia

List the origin of all the pharmaceuticals ingredients

List the available alternatives from the same family or therapeutic class

List of opportunities and innovations





Thank You

www.smiic.org

