

**Appendix 1: Search Terms of Fruits and Vegetable and different types of attention and memory in RCT design**

Search	Search terms	Ebscohost (Medline, APA PsychArticles, APA PsycInfo, CINAHL)	ProQuest Central	PubMed	EMBASE	Web of Science
#1	Fruit OR vegetable OR plant capsule	173,074	1,806,661	95,540	107,932	336,901
#2	selective attention OR divided attention OR sustained attention OR attention	832,035	3,214,882	462,217	576,338	985,289
#3	memory OR sensory memory OR Short-term memory OR long-term memory OR working memory OR episodic memory OR semantic memory OR procedural memory OR autobiographical memory OR iconic memory OR echoic memory OR semantic memory OR declarative memory	568,449	2,094,286	276,572	346,180	652,121
#4	Intervention OR randomized OR RCT or placebo* OR clinical trial	3,135,912	2,188,065	1,359,100	1,970,924	2,154,737
#5	#1 AND #2 AND #3 AND #4	18	15	9	14	14

## Appendix 1(a): Screenshot search of Ebscohost

The screenshot shows a Microsoft Edge browser window displaying the Ebscohost search interface. The address bar shows the URL: <https://web-b-ebscohost-com.ezproxy.lancs.ac.uk/ehost/resultsadvanced?vid=11&sid=a516a014-e044-41d0-86d4-9446275050c4%40s...>. The title bar indicates the current tab is "Result List: TI ( S1 AND S2 AND S3 AND S4 )".

The main content area displays a list of saved searches:

ID#	Search Terms	Search Options	Actions
S5	S1 AND S2 AND S3 AND S4	Search modes - Find all my search terms	<a href="#">View Results (18)</a>   <a href="#">View Details</a>   <a href="#">Edit</a>
S4	TI ( Intervention OR randomized OR RCT or placebo* OR clinical trial ) OR AB ( Intervention OR randomized OR RCT or placebo* OR clinical trial )	Search modes - Find all my search terms	<a href="#">View Results (3,135,912)</a>   <a href="#">View Details</a>   <a href="#">Edit</a>
S3	TI ( memory OR sensory memory OR Short-term memory OR long-term memory OR working memory OR episodic memory OR semantic memory OR procedural memory OR autobiographical memory OR iconic memory OR echoic memory OR semantic memory OR declarative memory ) OR AB ( memory OR sensory memory OR Short-term memory OR long-term memory OR working memory OR episodic memory OR semantic memory OR procedural memory OR autobiographical memory OR iconic memory OR echoic memory OR semantic memory OR declarative me ...	Search modes - Find all my search terms	<a href="#">View Results (568,449)</a>   <a href="#">View Details</a>   <a href="#">Edit</a>
S2	TI ( selective attention OR divided attention OR sustained attention OR attention ) OR AB ( selective attention OR divided attention OR sustained attention OR attention )	Search modes - Find all my search terms	<a href="#">View Results (832,035)</a>   <a href="#">View Details</a>   <a href="#">Edit</a>
S1	TI ( Fruit OR vegetable OR plant capsule ) OR AB ( Fruit OR vegetable OR plant capsule )	Search modes - Find all my search terms	<a href="#">View Results (173,074)</a>   <a href="#">View Details</a>   <a href="#">Edit</a>

Below the search results, there is a "Refine Results" section and a note: "Note: Exact duplicates removed from the results." The status bar at the bottom shows system information: 29°C Mostly sunny, ENG, 10:51 AM, 10-Oct-21.

## Appendix 1 (b): Screenshot search for Web of Science

The screenshot shows the 'Advanced Search - Web of Science' interface. The browser address bar displays the URL: [www-webofscience-com.ezproxy.sunway.edu.my/wos/woscc/advanced-search](http://www-webofscience-com.ezproxy.sunway.edu.my/wos/woscc/advanced-search). The page header includes a 'History' section with a 'Clear History' button. Below this, a list of previous searches is shown:

- 5 (((#1) AND #2) AND #3) AND #4
- 4 Intervention OR randomized OR RCT or placebo\* OR clinical trial (Title) or Intervention OR randomized OR RCT or placebo\* OR clinical trial (Abstract)
- 3 memory OR sensory memory OR Short-term memory OR long-term memory OR working memory OR episodic memory OR semantic memory OR procedural memory OR autobiographical memory OR iconic memory OR echoic memory OR semantic memory OR declarative memory (Title) or memory OR sensory memory OR Short-term memory OR long-term memory OR working memory OR episodic memory OR semantic memory OR procedural memory OR autobiographical memory OR iconic memory OR echoic memory OR semantic memory
- 2 selective attention OR divided attention OR sustained attention OR attention (Title) or selective attention OR divided attention OR sustained attention OR attention (Abstract)
- 1 Fruit OR vegetable OR plant capsule (Title) or Fruit OR vegetable OR plant capsule (Abstract)

Each search entry includes an 'Edit' button, an 'Add to Search' button, a result count (e.g., 14, 2,154,737, 652,151, 985,289, 336,901), and a more options menu. A purple notification bubble in the bottom right corner indicates 27 unread items.

## Appendix 1(c): screenshot search for Proquest

The screenshot shows a Microsoft Edge browser window displaying a search results page from ProQuest Central. The search terms are listed in a table, and the results show 15 items for S5 and over 2 million for S4.

Set	Search	Databases	Results	Actions
S5	ab(Fruit OR vegetable OR plant capsule) OR ti(Fruit OR vegetable OR plant capsule)) AND ab(selective attention OR divided attention OR sustained attention OR attention) OR ti(selective attention OR divided attention OR sustained attention OR attention)) AND ab(memory OR sensory memory OR Short-term memory OR long-term memory OR working memory OR episodic memory OR semantic memory OR procedural memory OR autobiographical memory OR iconic memory OR echoic memory OR semantic memory OR declarative memory) OR ti(memory OR sensory memory OR Short-term memory OR long-term memory OR working memory OR episodic memory OR semantic memory OR procedural memory OR autobiographical memory OR iconic memory OR echoic memory OR semantic memory OR declarative memory)) AND ab(Intervention OR randomized OR RCT OR placebo* OR clinical trial) OR ti(Intervention OR randomized OR RCT OR placebo* OR clinical trial))	ProQuest Central	15	Actions ▾
S4	ab(Intervention OR randomized OR RCT or placebo* OR clinical trial) OR ti(Intervention OR randomized OR RCT or placebo* OR clinical trial)	ProQuest Central	2,188,065	Actions ▾
S3	ab(memory OR sensory memory OR Short-term memory OR long-term memory OR working memory OR episodic memory OR semantic memory OR procedural memory OR autobiographical memory OR iconic memory OR echoic memory OR semantic memory OR declarative memory) OR ti(memory OR sensory memory OR Short-term memory OR long-term memory OR working memory OR episodic memory OR semantic memory OR procedural memory OR autobiographical memory OR iconic memory OR echoic memory OR semantic memory OR declarative memory)	ProQuest Central	2,694,286	Actions ▾
S2	ab(selective attention OR divided attention OR sustained attention OR attention) OR ti(selective attention OR divided attention OR sustained attention OR attention)	ProQuest Central	3,214,882	Actions ▾
S1	ab(Fruit OR vegetable OR plant capsule ) OR ti(Fruit OR vegetable OR plant capsule )	ProQuest Central	1,806,661	Actions ▾

At the bottom of the screen, the Windows taskbar shows the search bar, pinned apps (File Explorer, Edge, Mail, Calendar, OneDrive, Teams), system icons (battery, signal, volume), and the date/time (11:45 AM, 8/10/2021).

## Appendix 1(d): Screenshot search for Pubmed

The screenshot shows a Microsoft Edge browser window with the following details:

- Title Bar:** A-Z Databases: P - Advanced Search Results - PubM
- Address Bar:** https://pubmed.ncbi.nlm.nih.gov/advanced/
- Toolbar:** Short Link, DISTED, License, Research, SR, Sunway, QR Code Generator..., Bitdo URL Shorten..., Research Grant, conference, Other favorites.
- Search History:** A sidebar on the left lists previous searches:
  - #5 ... > Search: (((Fruit[Title/Abstract] OR vegetable[Title/Abstract] OR plant capsule[Title/Abstract]) AND (selective attention[Title/Abstract] OR divided attention[Title/Abstract] OR sustained attention[Title/Abstract] OR attention[Title/Abstract])) AND (memory[Title/Abstract] OR sensory memory[Title/Abstract] OR Short-term memory[Title/Abstract] OR long-term memory[Title/Abstract] OR working memory[Title/Abstract] OR episodic memory[Title/Abstract] OR semantic memory[Title/Abstract] OR procedural memory[Title/Abstract] OR autobiographical memory[Title/Abstract] OR iconic memory[Title/Abstract] OR echoic memory[Title/Abstract] OR semantic memory[Title/Abstract] OR declarative memory[Title/Abstract])) AND (Intervention[Title/Abstract] OR randomized[Title/Abstract] OR RCT[Title/Abstract] OR placebo\*[Title/Abstract] OR clinical trial[Title/Abstract]) 9 23:55:18
  - #4 ... > Search: Intervention[Title/Abstract] OR randomized[Title/Abstract] OR RCT[Title/Abstract] OR placebo\*[Title/Abstract] OR clinical trial[Title/Abstract] 1,359,100 23:54:38
  - #3 ... > Search: memory[Title/Abstract] OR sensory memory[Title/Abstract] OR Short-term memory[Title/Abstract] OR long-term memory[Title/Abstract] OR working memory[Title/Abstract] OR episodic memory[Title/Abstract] OR semantic memory[Title/Abstract] OR procedural memory[Title/Abstract] OR autobiographical memory[Title/Abstract] OR iconic memory[Title/Abstract] OR echoic memory[Title/Abstract] OR semantic memory[Title/Abstract] OR declarative memory[Title/Abstract] 276,572 23:54:03
  - #2 ... > Search: selective attention[Title/Abstract] OR divided attention[Title/Abstract] OR sustained attention[Title/Abstract] OR attention[Title/Abstract] 462,217 23:52:38
  - #1 ... > Search: Fruit[Title/Abstract] OR vegetable[Title/Abstract] OR plant capsule[Title/Abstract] 96,540 23:52:27
- Content Area:** A table showing search results:

Search	Actions	Details	Query	Results	Time
#5	...	>	Search: (((Fruit[Title/Abstract] OR vegetable[Title/Abstract] OR plant capsule[Title/Abstract]) AND (selective attention[Title/Abstract] OR divided attention[Title/Abstract] OR sustained attention[Title/Abstract] OR attention[Title/Abstract])) AND (memory[Title/Abstract] OR sensory memory[Title/Abstract] OR Short-term memory[Title/Abstract] OR long-term memory[Title/Abstract] OR working memory[Title/Abstract] OR episodic memory[Title/Abstract] OR semantic memory[Title/Abstract] OR procedural memory[Title/Abstract] OR autobiographical memory[Title/Abstract] OR iconic memory[Title/Abstract] OR echoic memory[Title/Abstract] OR semantic memory[Title/Abstract] OR declarative memory[Title/Abstract])) AND (Intervention[Title/Abstract] OR randomized[Title/Abstract] OR RCT[Title/Abstract] OR placebo*[Title/Abstract] OR clinical trial[Title/Abstract])	9	23:55:18
#4	...	>	Search: Intervention[Title/Abstract] OR randomized[Title/Abstract] OR RCT[Title/Abstract] OR placebo*[Title/Abstract] OR clinical trial[Title/Abstract]	1,359,100	23:54:38
#3	...	>	Search: memory[Title/Abstract] OR sensory memory[Title/Abstract] OR Short-term memory[Title/Abstract] OR long-term memory[Title/Abstract] OR working memory[Title/Abstract] OR episodic memory[Title/Abstract] OR semantic memory[Title/Abstract] OR procedural memory[Title/Abstract] OR autobiographical memory[Title/Abstract] OR iconic memory[Title/Abstract] OR echoic memory[Title/Abstract] OR semantic memory[Title/Abstract] OR declarative memory[Title/Abstract]	276,572	23:54:03
#2	...	>	Search: selective attention[Title/Abstract] OR divided attention[Title/Abstract] OR sustained attention[Title/Abstract] OR attention[Title/Abstract]	462,217	23:52:38
#1	...	>	Search: Fruit[Title/Abstract] OR vegetable[Title/Abstract] OR plant capsule[Title/Abstract]	96,540	23:52:27
- Taskbar:** Type here to search, Start button, File, Home, Task View, Mail, Microsoft Edge, Word, OneDrive, Teams, 30°C Light rain, ENG, 11:55 AM, 8/10/2021, 23 notifications.

## Appendix 1 (e): Screenshot search for Embase

The screenshot shows the Ovid Search Form interface. At the top, there are three tabs: "A-Z Databases: E: embase", "A-Z Databases: E", and "Ovid: Search Form". The "Ovid: Search Form" tab is active. Below the tabs is a browser address bar with the URL [ovidsp-dc2-ovid-com.ezproxy.lancs.ac.uk/ovid-a/ovidweb.cgi](http://ovidsp-dc2-ovid-com.ezproxy.lancs.ac.uk/ovid-a/ovidweb.cgi). The main content area displays the "Search History" section, which lists five previous searches. Each search entry includes a checkbox, a search identifier, the search query, the number of results, the type, and links to "Display Results" and "More". The fifth search entry is highlighted with a blue background. Below the search history are buttons for "Save", "Remove", and "Combine with: AND / OR". At the bottom of the search history section are buttons for "Save All", "Edit", "Create RSS", "Create Auto-Alert", "View Saved", "Email All Search History", "Copy Search History Link", and "Copy Search History Details". The bottom of the screen shows the Windows taskbar with the Start button, a search bar containing "Type here to search", pinned icons for File Explorer, Edge, Task View, and Mail, and system status icons for battery, signal, and volume. The date and time are shown as "8/10/2021 9:23 PM".

Search History (5)

#	Search Query	Results	Type	Actions	Annotations
2	(selective attention or divided attention or sustained attention or attention).ab. or (selective attention or divided attention or sustained attention or attention).ti.	576338	Advanced	Display Results   More	
3	(memory or sensory memory or Short-term memory or long-term memory or working memory or episodic memory or semantic memory or procedural memory or autobiographical memory or iconic memory or echoic memory or semantic memory or declarative memory).ab. or (memory or sensory memory or Short-term memory or long-term memory or working memory or episodic memory or semantic memory or procedural memory or autobiographical memory or iconic memory or echoic memory or semantic memory or declarative memory).ti.	346180	Advanced	Display Results   More	
4	(Intervention or randomized or RCT or placebo* or clinical trial).ab. or (Intervention or randomized or RCT or placebo* or clinical trial).ti.	1970924	Advanced	Display Results   More	
5	1 and 2 and 3 and 4	14	Advanced	Display Results   More	

Save Remove Combine with: AND OR

Save All Edit Create RSS Create Auto-Alert View Saved Email All Search History Copy Search History Link Copy Search History Details

Basic Search | Find Citation | Search Tools | Search Fields | Advanced Search | Multi-Field Search  
1 Resource selected | Hide | Change  
Embase 1974 to 2021 October 07

Type here to search

File Explorer Edge Task View Mail Battery Signal Volume 29°C Mostly clear 8/10/2021 9:23 PM ENG 6

