ORSAA Literature Review Database – Getting Started

We have populated the database with data from several data sources PubMed, the EMF portal and ARPANSA. You will **not be** allowed to change data as the guest access you have read-only access, but you can search the data or do **FIND** searches. The results of these searches can be downloaded into a CSV file.

1. Automatic Log On https://n432.fmphost.com/fmi/webd#Research_Review_V4

FILEMAKER GO

You can also download FILEMAKER Go at your Apple apps store (Free) and run this application on your IPAD. The Android version is not available yet but is coming. You will be presented with the main screen. Note the top navigation bar at the top of the screen.

HOW TO SEARCH THE ORSAA DATABASE

(see next page)

Follow these instructions to do your own search of the ORSAA database.

Remember, this is just one example of a search done in February 2023 to look for Effects studies, so it is a snapshot in time. In February 2023, there were over 4,500 papers in the database.
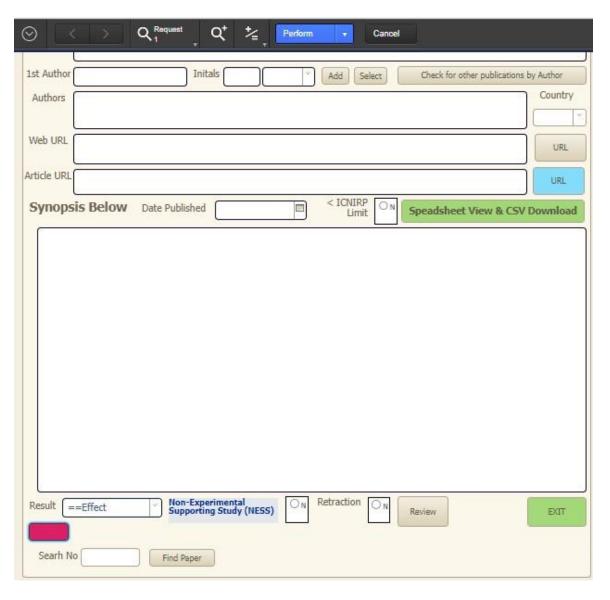
Step 1 – Enter Find Mode

Open the database and select the magnifying glass icon on the top bar.
Select **Enter Find Mode**. An empty template will appear.
Go to the **Result** box (bottom left corner) and click the arrow to open the drop-down menu. To see Effect studies, choose **==Effect** (== is the operator for 'match whole word or empty').
NOTE: If you don't choose **==Effect** and you just <u>type</u> in 'Effect', then you will get results for all 3 categories: Effect, No Effect, and Uncertain Effect.

Step 2 – Select Study Categories

At the top, select the **Study Categories** tab.
For this example, we will pick **in vivo** and **Animal Study.**

Step 3 – Perform a Find

Click the blue **Perform** button at the top.
At the top you will see how many studies were found (this example shows 905/4,578).

Step 4 – Explore Individual Studies

Click the **Article** tab on the top to see the first study.
You can download the study by clicking the green **Spreadsheet View and CSV Download** button.
Select the **End Points** tab at the top to see the endpoints researchers were studying for.
Select the **Effects Categories** tab to see the effects that were found in the study.
Click the < and > buttons on the top bar to move from one article to the next.

Step 5 – See a Summary of all the Studies

In the **Effects Categories** tab, you will see a **Find Summary Totals** button in the bottom right corner.
Click **Find Summary Totals** to get an instant summary of all the studies and what biological effects were discovered in each category.
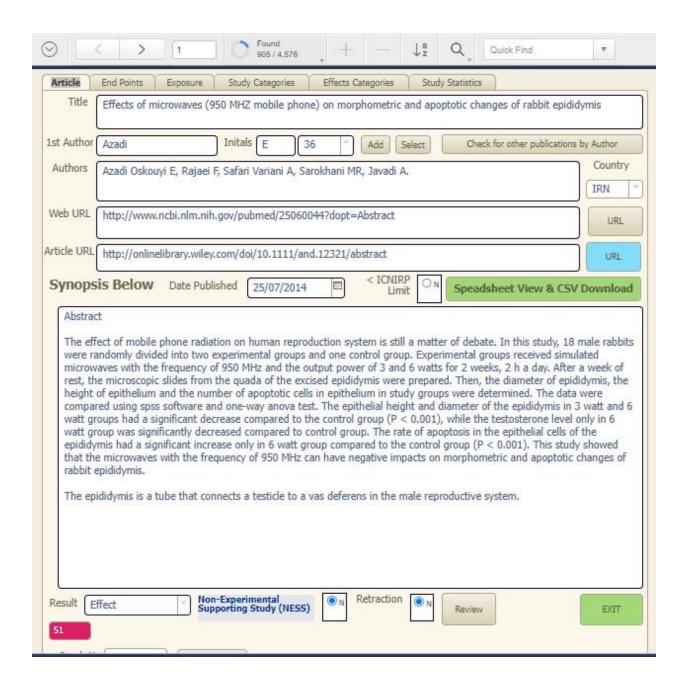

Found 905 / 4,578 | 1 | Quick Find

Script Is Paused

Find Search Summary Totals

Peer Reviewed Studies Showing Biological Effects   Number of records used : 905   of 4578

Category	Value	Category	Value	Category	Value
Auditory Dysfunction / Hearing loss / Tinnitus	7	Apoptosis (Programmed Cell Death)	89	Brain Tumours	2
Blood Brain Barrier Permeability Changes	16	Breast Cancer	0	Cellular Stress	36
Brain Development / Neuro Degeneration	63	Biochemical Changes	326	EEG changes / Brain Waves	24
Neuro Behavioural Effect / Cognitive Effects	141	Cell Irregularities/ Damage/ Morphological Changes	197	Effects on Mitochondria	34
Calcium Influx / Efflux	15	Fatigue	0	Altered Enzyme Activity / Protein Levels / Protein Damage	358
Circadian Rhythm Disruption	9	Altered Gene Expression	116	Headaches/Migraines	0
DNA Damage / Mutagenic / Genotoxic	97	Altered Glucose Level / Glucose Metabolism	24	Inflammation	23
Endocrine / Hormone Effects	87	Cardiovascular Effects	35	Hepatic Effects (Liver)	50
Miscarriage / Spontaneous Abortion / Foetus Resorption	2	Immune System Effects	73	Impaired / Reduced Healing/ Bone Density Changes	6
Memory Impairment	55	Oxidative Stress / ROS/ Free Radicals	287	Speech Impairment	0
Sperm /Testicular Effects	86	Sleep Effects	6	Haematological Effects	78
Tumour Promotion	12	Neurotransmitter Effects	43	Synergistic/Combinative E	32
Thyroid Effects	21	Visual Disturbances/ Ocular Effects	18	Autism	5
Leukemia	0	Parotid Gland Malignancy	1	Neoplasis/ Hyperplasia (Abnormal Tissue Growth)	4
Depression	4	Induced Adaptive Response	35	Dizziness / Vertigo / Vestibular Effects	4

May have a role in disease pathway/ well-being   A known disease   Continue

Step 6 - Return to the Main Screen

To return to the main screen, click on the green **Continue** button in the bottom right corner (you might have to click it more than once).
You can continue to explore individual studies in your current search results or start again at Step 1 to begin a new search.

To watch a training video of this process, go to https://www.orsaa.org/search-examples-effect-and-category.html