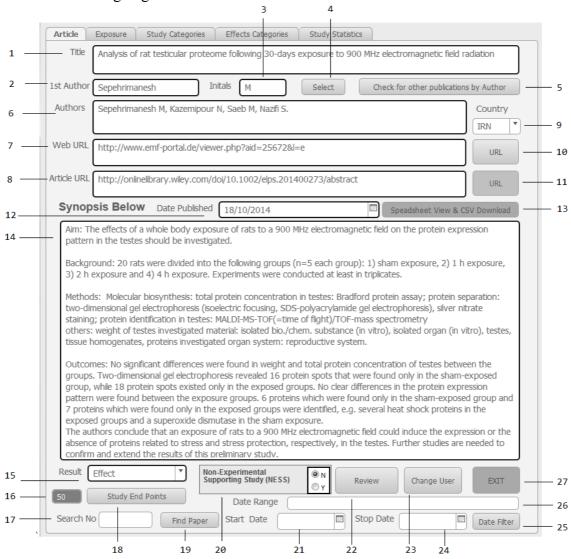
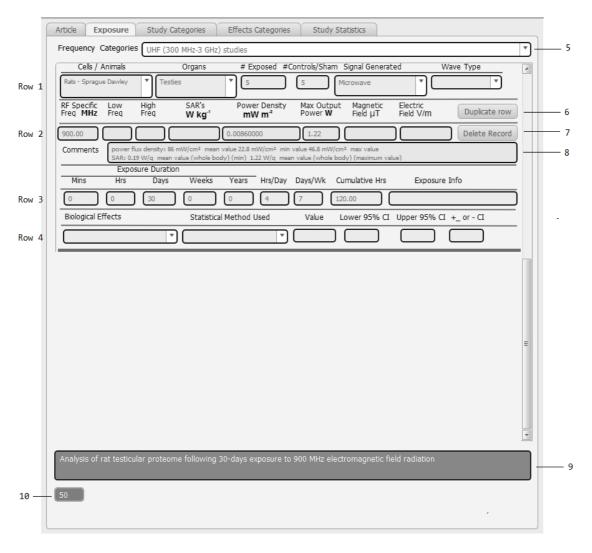
Database Landing Page: Article Tab



Item #	Field Descriptor	Data Dictionary Item	DB Field
			name
1	Title	Title of paper	Title
2	1 st Author	First author in list of authors	MainAuthors
3	Initials of 1 st Author	First author initials	Author_Init
4	Select button	Button that opens know details of 1 st Author	
5	Check for other publications by Author button	Button that opens window that shows a list of publications by the 1 st Author	
6	List of all authors		Authors
7	Web URL	This is either PubMed, EMF portal address or other address where abstract of Synopsis is located. EMF portal is preferred address if available	WLink
8	Article URL	URL for journal article of pdf location for free articles	Paper_URL
9	County	Drop down list for acronym for Country code	C_Code

10	URL button	Select window for Web URL	
11	URL button	Select window for Paper_URL	
12	Date Published	Date of publication or Month Journal release	Date_Pub
13	Speadsheet	Button to download find search selection. Products a CSV	
	View & CSV	file to the users desktop.	
	Download		
	button		
14	Synopsis Below	Abstract or Synopsis of article	Main_Review
15	Result	Dropdown list Effect/No Effect/Uncertain	Effect
		Effect/NESS/Retraction	
16		This is the main primary key for each paper entered. This	PaperID
		is a discreet number. This is an auto-number entry.	
17	Search No	Enter the PaperID and works with "Find paper" Button	Paper_seach
		Item# 19	
18	Study End	Open End Point window for Experiment button. There can	
	Points	be a number of end points for a particular paper	
19	Find paper	Button finds paper with Paper ID number entered at Item	
		#17	
20	Non-	Yes/No answer Y indicates NESS paper. Literature	ExStat
	Experimental	reviews and meta-analyses were published in peer-	
	Supporting	reviewed journals. Other materials were not peer reviewed	
	Study (NESS)	e.g. reports.	
21	Start Date	The beginning of a search criteria and entered with item	StartDate
		#24 being the stop date	
22	Review button	Button for Recorder's review if required	
23	Change user	Login default is Guest which gives read only access. This	
	button	can be used to change access to database. Different users	
		have different privileges with regard to data entry.	
24	Stop date	The end date of a search criteria and entered with item #21	StopDate
		being the stop date	•
25	Date Filter	The date filter work with Start date and Stop date and	
		produces a search string at items #26 that can be used in	
		find search (eg. 01/01/200001/01/2003 . result is in item	
		#26. Note: the 3 dots between the dates	
26	Date range	Copy and paste string for use in find searches	aDate
27	Exit	Exit database. If you close the window it will also exit and	
		if the main screen is left open for a prolonged operation (10	
		minutes) with no activity the database will disconnect from	
		screen window and you will need to log in again.	

Exposure Tab

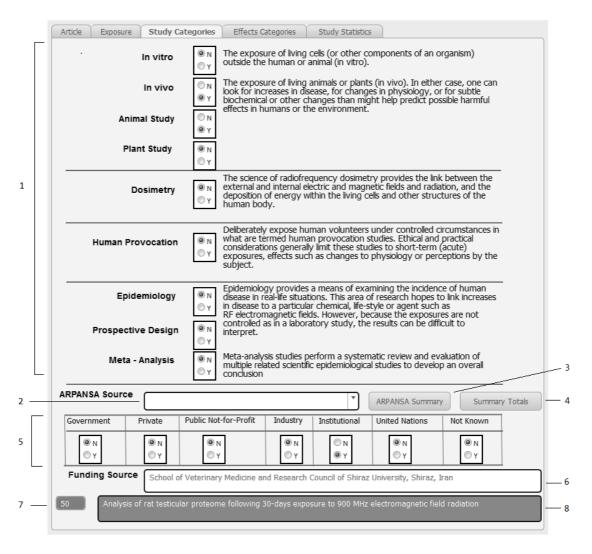


This is a tiered row as you can have a number of experiments for each paper. The exposure information is only linked for the paper being referenced. There can be a number of exposures to a single paper. This is called a on to many relationship.

Item #	Field Descriptor	Data Dictionary Item	DB Field name
Row 1	Cells/Animal	The data is categorised into a Animal or a Cell type	CellAnimals
		depending on the experiment. Drop down list used to categorised data.	
	Organs	The exposure organs, (eg. Liver, head, whole body etc.) Drop down list used to categorised data.	Organs
	#Exposed	The number of animals exposed in the experiment.	Num_Exposed
	#Controls/Sham	The number of animals used as controls in experiment.	Num_Controil
	Signal Generated	Type of EMF signal used in experiment. Drop down list used to categorised data.	SignalGen
	Wave Type	Type of EMF wave form.	WaveType
Row 2	RF Specific Freq MHz	Specific frequency used in experiment. This can also be the average carrier frequency	SRF
	Low Freq	Lowest frequency which is the low end of a range	RFLow

	High Freq	Highest frequency which is the low end of a range	RFHigh
	SAR's	Average or Maximum Specific Absorption Value used	Sar_val
	W kg ⁻¹	in experiment used in experiment	
	Power Density mW m ⁻²	Average or Maximum Power density used in experiment	PowerDensity
	Max Output Power W	Max Output power from EMF source	OutputPow
	Magnetic Field	ELF near field exposures. General most experiments quote an average or maximum exposure.	BField
	Electric	Average or Maximum electric field used in experiment	E_Field
Row 3	Field V/m	Exposure Duration	
KOW 3	Mins	EMF exposure in minutes	Exp_Mins
	Hrs	EMF exposure in hours	Exp_Wills Exp_Hrs
	Days	EMF exposure in Days	Exp_Days
	Weeks	EMF exposure in Weeks	Exp_Bays Exp_Weeks
	Years	EMF exposure in Years	Exp_weeks Exp Years
	Hrs/Day	EMF exposure Hours per day	HrPerday
	Days/Wk	EMF exposure Days per Week	DaysWk
	Cumulative Hrs	Calculated value:	CummHrs
	Cumulative IIIs	[(Exp_Mins/60)+Exp_Hrs +(Exp_Days*24) +(Exp_Weeks*24*7) +(Exp_Years*365*24)] *(DaysWk/7) *(HrPerday/24)	Cullillinis
	Exposure Info	Extra exposure information	Exp_pause
	Biological Effects	Categorised Biological effects. Selection from drop down list.	
	Statistical Method Used	Statistical method used.	Stats_Method
	< Value	Probability value of less than.	Stats ratio
	Lower 95% CI	Lower value of 95% confidence limit	LowerConfid
	Upper 95% CI	Upper value of 95% confidence limit	UpperConfid
	+ or - CI	Upper and Lower confidence limit expressed as a percentage about the value. Used for symmetrical distribution.	
5	Frequency Categories	Categorisation of frequency band used for exposure in experiment	Freq_Cat
6	Duplicates row	Allows for quick data entry. The exposure table is a many relationship to this single paper. This copies the	
		current exposure to another row in the exposure table and allows you to edit the details of the next experiment that may be almost the same except for maybe the exposure time. Administrator only function.	
7	Delete Record	This deletes the current row from the exposure table. Administrator doing the data entry can only use this. This allows for quick data entry.	
8		Allows for free formatted comments on this exposure	Exp_Comments
9		This is the title of the paper. Repeated from landing page for reference	Title
10		This is the main primary key for each paper entered. This is a discreet number. This is an auto-number entry.	Paper ID
		Repeated from landing page for reference	

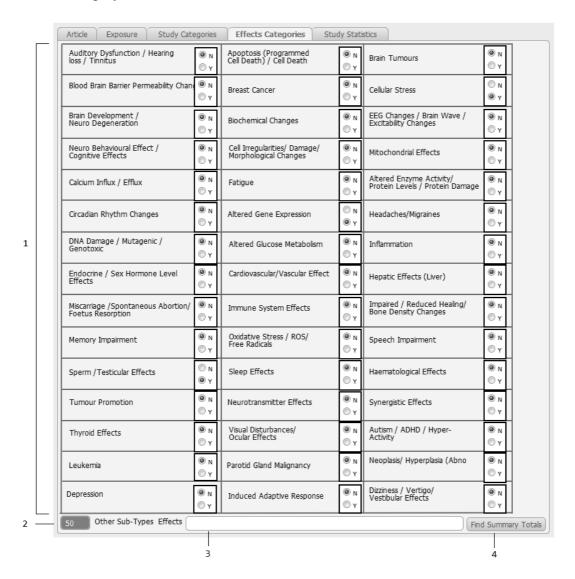
Study Categories Tab



Item #	Field Descriptor	Data Dictionary Item	DB Field name
Row 1	In Vitro	Yes/No answer. Y indicates in vitro study.	InVitro
	In Vivo	Yes/No answer. Y indicates in vivo study.	InVivo
	Animal Study	Yes/No answer. Y indicates animal study.	Animal
	Plant Study	Yes/No answer. Y indicates plant study.	Plants
	Dosimetry	Yes/No answer. Y indicates dosimetry or exposure study.	Dosimetry
	Human Provocation	Yes/No answer. Y indicates human provocation study.	Human_Pro
	Epidemiology	Yes/No answer. Y indicates epidemiology study.	Epidemiology
	Prospective	Yes/No answer. Y indicates epidemiology that has	Pros_Desiign
	Design	Prospective Design built into the study.	
	Meta - Analysis	Yes/No answer. Y indicates that the epidemiology is a combine or meta-analysis study.	MetaA
2	ARPANSA Source	This is a list of ARPANSA literature sources.	ARPANSA_Rep
3	Button ARPANSA Summary	This shows any ARPANSA review or commentary	

4	Button	For selected records this action counts the number of	
	ARPANSA	papers in the ARPANSA categories	
	Totals		
Row 5	Funding	Select single or multiple funding categories.	
	Categories	Yes/No answer. For each funding source category	
	Government	Government funding used	GFund
	Private	Private funding used	PFund
	Public Not-for-	Public Not-for-Profit funding used	PubFund
	Profit		
	Industry Industry funding used		IndFund
	Institutional Institutional funding used		InstFund
	United Nations	United Nations United Nations (WHO) used	
	Not Known	Not stated	UnkFund
6	Funding Source	Free format text on information of funding sources.	Funding
7		This is the main primary key for each paper entered. This	Paper ID
		is a discreet number. This is an auto-number entry.	
		Repeated from landing page for reference	
8		This is the title of the paper. Repeated from landing page	Title
		for reference	

Effect Category Tab

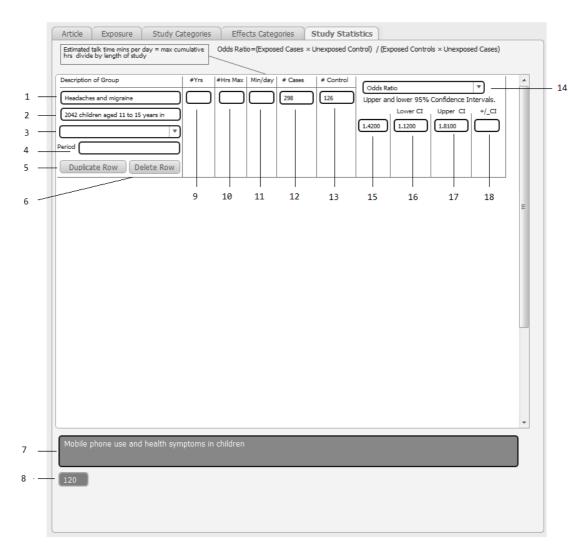


For any given paper that shows bio-effect there can be a single or multiple effect categories indicated.

Item #	Field Descriptor	Data Dictionary Item	DB Field
			name
Row 1	Auditory Dysfunction / Hearing loss / Tinnitus	Yes/No answer.	AD
Left to	Apoptosis (Programmed Cell Death) / Cell Death	Yes/No answer.	AP
Right	Brain Tumours	Yes/No answer.	BT
down	Blood Brain Barrier Permeability Changes	Yes/No answer.	BB
the	Breast Cancer	Yes/No answer.	BC
page	Cellular Stress	Yes/No answer.	CS
	Brain Development /Neuro Degeneration	Yes/No answer.	BD
	Biochemical Changes	Yes/No answer.	BI
	EEG changes / Brain Waves	Yes/No answer.	EG
	Neuro Behavioural Effect / Cognitive Effects	Yes/No answer.	BM
	Mitochondrial Effects	Yes/No answer.	EM
	Cell Irregularities/ Damage/Morphological Changes	Yes/No answer.	CI
	Mitochondrial Effects	Yes/No answer.	EA

	Calcium Influx / Efflux	Yes/No answer.	CA
	Fatigue	Yes/No answer.	FA
	Altered Enzyme Activity/Protein Levels / Protein	Yes/No answer.	EA
	Damage	1 co/1 to unis wer.	Li I
	Circadian Rhythm Changes	Yes/No answer.	CR
	Altered Gene Expression	Yes/No answer.	GE
	Headaches/Migraines	Yes/No answer.	HA
	DNA Damage / Mutagenic Genotoxic	Yes/No answer.	DD
	Altered Glucose Level /Glucose Metabolism	Yes/No answer.	GM
	Inflammation	Yes/No answer.	IN
	Endocrine / Sex Hormone Level Effects	Yes/No answer.	EN
	Cardio/vascular Effects	Yes/No answer.	HR
	Hepatic Effects (Liver)	Yes/No answer.	IS
	Miscarriage /Spontaneous Abortion/ Foetus Resorption	Yes/No answer.	MC
	Immune System Effects	Yes/No answer.	MD
	Impaired / Reduced Healing/ Bone Density Changes	Yes/No answer.	RH
	Memory Impairment	Yes/No answer.	MR
	Oxidative Stress / ROS/Free Radicals	Yes/No answer.	OS
	Speech Impairment	Yes/No answer.	SI
	Sperm /Testicular Effects	Yes/No answer.	SE
	Sleep Effects	Yes/No answer.	SP
	Haematological Effects	Yes/No answer.	TN
	Tumour Promotion	Yes/No answer.	TP
	Neurotransmitter Effects	Yes/No answer.	ANeuroT
	Synergistic/Combinative Effects	Yes/No answer.	aSynergistic
	Thyroid Effects	Yes/No answer.	aThyroid
	Visual Disturbances/Ocular Effects	Yes/No answer.	OC
	Autism / ADHD / Hyper-Activity	Yes/No answer.	AT
	Leukemia	Yes/No answer.	Luk
	Parotid Gland Malignancy	Yes/No answer.	ParG
	Neoplasis/ Hyperplasia (Abnormal Tissue Growth)	Yes/No answer.	Renal
	Depression	Yes/No answer.	Dep
	Induced Adaptive Response	Yes/No answer.	Ind
	Dizziness / Vertigo/Vestibular Effects	Yes/No answer.	Diz
2	This is the main primary key for each paper entered.		paperID
	This is a discreet number. This is an auto-number		1 1
	entry. Repeated from landing page for reference		
3	Other Sub-Types Effects.	Free formatted text for effects that are not covered by categories above, eg Effect Positive	OtherEff
4	Find Summary Totals button	For the selected records following a find search summarises the number of papers in each Effect category.	

Study Statistics Tab



Item #	Field Descriptor	Data Dictionary Item	DB Field name
1	Description of	Description of epidemiological group studied; eg." life-	Group_Desc
	Group	long cumulative Hrs > =896"	
2	Sub-set within	Selection of sub-set; eg . "men and women, aged over	Cat_Desc
	the group	16 years"	
3	Disease being	Selection from Drop down list containing disease; eg.	CancerType
	studied in	Glioma or Temporal tumours etc.	
	statistical group.		
4	Period	Period that study; eg. June 2004 - May 2006	YrsOfStudy
5	Duplicate Row	Allows for quick data entry. The exposure table is a	
		many relationship to this single paper. This copies the	
		current exposure to another row in the exposure table and	
		allows you to edit the details of the next experiment that	
		may be almost the same except for maybe the exposure	
		time. Administrator only function.	
6	Delete Row	This deletes the current row from the exposure table.	
		Administrator doing the data entry can only use this.	
		This allows for quick data entry.	
7		This is the title of the paper. Repeated from landing page	Title

		for reference	
8		This is the main primary key for each paper entered. This is a discreet number. This is an auto-number entry. Repeated from landing page for reference	Paper ID
9	#Yrs	Number of years that the study covers.	NumYrs
10	#Hrs Max	Maximum number of Hours used	CHours
11	Min/day	Calculated field (CHours*60)/(NumYrs*365) Number of talk time minutes per day.	TalkTime
12	# Cases	Number of cases reviewed	CaseNo
13	# Control	Number of control used	ControlNo
14	Statistical Method used	Drop down list. Select Odds ratio, Risk rataio etc	Stats_Method
15	Value	Probability value	OddsRatio
16	Lower 95% CI	Lower value of 95% confidence limit	LowerConfid
17	Upper 95% CI	Upper value of 95% confidence limit	UpperConfid
18	+ or - CI	Upper and Lower confidence limit expressed as a percentage about the value. Used for symmetrical distribution.	Confid