

### Annual Keyword Index

(+)-Catechin hydrate	823	Antifungal therapy	1032	Black gram	548
16S rRNA gene	322	Anti-hyperglycemic activity	65	<i>Brassica juncea</i>	758
5-HT <sub>3</sub> receptor antagonists	435,501	Antihyperglycemic effect	363	<i>Brassica napus</i>	1130
7-11 phages	1038	Anti-hypertensive	661	<i>Brassica rapa</i>	522
7-nitroindazole	1086	Anti-inflammatory	256	Breast cancer	485
9-Octadecenoic acid methyl ester	979	Anti-lipid peroxidation	969	Bupropion	732
ABA	746	Antimicrobial agents	393	<i>C. albicans</i>	1032
Abdominal viscera	303	Antimicrobial	804,910	CA3 pyramidal neurons	1070
Acclimatization	88	Antioxidant enzymes	37,228,241, 670,1109	Cadaverine	758
Acetaminophen	174	Antioxidants	29, 149,157, 292, 464, 746, 910,924	<i>Caenorhabditis elegans</i>	515
Acetylene reduction assay	388	Antioxidative activity	458	Caffeine	732
<i>Achatina fulica</i>	623	Anxiety	732	<i>Cajanus cajan</i>	165
<i>Achoromobacter</i>	1004	Anxiolytic	510	<i>Camellia oleifera</i>	458
Acropetal movement	470	Apoptosis and necrosis	615	Cancer	187
Actinobacteria	573	Apoptosis	623,789	Cane syrup	303
Actinomycetes	875	Appresoria	670	Caprine	502
Acute pancreatitis	256	Aroclor 1254	477	Carbofuran	1109
Adaxial-abaxial differentiation	421	Ascorbic acid	823	Cardiac marker enzymes	228
Adsorbing column	954	Aspartase	997	Cardioprotective	149
Adult respiratory distress syndrome	5	<i>Aspergillus fumigatus</i>	954	Cardiovascular disease	885
Advanced glycation end products	56	Astrocytes	606	Cardiovascular	661
<i>Aegle marmelos</i>	157,464	ATPases	477	Carotenoid	388
<i>Aeromonas hydrophila</i>	924	Atrial natriuretic peptide	48	Catalase	29
Allopolyherbal formulation	702	Auxin	739	Cattle	347
Alloxan	464	Ayurveda	811	CD133	107
Alpha-Linolenic acid	241	<i>Bacillus aryabhatai</i>	322	CD29	107
<i>Alpinia galanga</i>	828	<i>Bacillus cereus</i>	973	CD34	107
<i>Alternanthera brasiliana</i>	450	<i>Bacillus</i>	905	CD49f	107
<i>Alternaria sesami</i>	670	Bacteriophages	1038	Cell count	615
Alzheimer's disease	1086	Betulinic acid	485	Cell culture	789
Amino acids	849	Biflavonoid	458	Cell cycle inhibition	81
<i>Andrographis paniculata</i>	1101	Biochemical markers	531	Cell disruption	997
Angiotensin-II	48	Biodegradable	804	Cell viability	615
<i>Anisomeles indica</i>	715	Biodiesel	262	Cellulase	944,992
Annexin V assay	116	Biodiversity	573	<i>Centella asiatica</i>	1101
<i>Anopheles stephensi</i>	273	Biofilm inhibition	764	Ceramic	375
Anther	1130	Biofilm	1032	Cerebellum	685
Antiaging	515	Biofloculant	1004	Cerebral cortex	685
Anti-anxiety	444	Biofortification	548	Cervical cancer	597
Antibiotics	573	Biofuel	875	<i>Channa punctatus</i>	411
Anticonvulsant activity	450	Biomarkers	149,777	Chinese hamster ovary cells	352
Antidyslipidemic effect	363	Biomass allocation	492	Chlorophyll- <i>a</i>	388
Anti-fertility	1055	Biomass	875	Cholesterol	885
		Biopolymer	400	Cholinergic system	1094
		Bioprospecting	573	Chromosome aberrations	29
		Biosensors	777	Chronic restraint-stress	1070
		Biosorption	1004	Co-exposure	249
		Biotrickling filter	1018	Colitis	157
				Compound leaf	492
				Compound stipule	492
				<i>Cordyceps sinensis</i>	381
				Correlation	208
				Corticosterone	1070

Cotyledonary node	1120	Epigallocatechin-3-gallate	357	Guanylyl cyclase activity	48
C-reactive protein	623	Epilepsy	715	Guar	1120
Crude alkaloid extract	81	<i>Epimedium grandiflorum</i>	313	Guinea pig	280
Crude extract	515	ERK1/2	73	Gum acacia	804
<i>Cryptelytrops purpureomaculatus</i>	1063	Estrous cycle	235	<i>Haberlea rhodopensis</i>	29
Culture filtrate	531	ESTs	522	Haemagglutination inhibition	984
Cup shaped leaf	421	Etazolate	444	HDL	885
<i>Curcuma longa</i>	797	Ethanol	249,292	Head twitches	435
<i>Curcuma vamana</i>	81	Ethyl-methane-sulfonate	531	Hedgehog interacting protein	201
Curd	910	Exoelectrogenic activity	860	Hemodynamics	694
Cyanobacteria	393	Exploration	732	Hemostatic	804
Cytokines	256,352	Expression pattern	1130	Hepatoprotection	165
Cytokinin	739	Extracts	458	Hexadecanoic acid methyl ester	979
Cytotoxicity	615,804	FACS	107	High fat diet	292,363
Cytotoxicity study	709	FAME analysis	322	High fructose diet	129
Definitive endoderm	201	Fermentation	556	High-fructose-fat diet	1101
Dehairing	336	Ferritin	165	Hippocampus	218, 1070
Dendritic cells	352	Fibroadenoma	208	HMF	1012
Dendritic spines	685	Fibronectin	789	Hole board	450
<i>Dendrocalamus membranaceus</i>	88	Flavonoids	715,910,1109	Honey	303
Diabetes mellitus	702,1101	Flaxseed oil	646	hUCBC	228
Diabetes	139, 646, 811	Fluoride	249	Hyaline membrane disease	5
Diabetic nephropathy	139,464	FMD virus	124	Hydrogen gas	860
Diagnostics	777	Foliar spray	548	Hyperbaric pressure	960
Dimethyl sulphide	1018	Follicle Stimulating hormone binding-inhibitor	1055	Hypercholesterolemia	241
<i>Diplazium esculentum</i>	919	Food	905	Hyperglycemic memory	56
Disease tolerances	531	<i>Fragaria × ananassa</i>	739	Hyperin	65
Dithizone	201	Free radical scavenging activity	174	Hyperlipidemia	1101
Diuretic	833	Free radicals	157	Hypertension	661
DNA protection	165	Fruit pulp	157	Hypertriglyceridemia	288
Docosahexaenoic acid	241	Functional food	924	Hypocholesterolemic	924
Doxorubicin	149,635	Fungal lectins	984	Hypolipidemic effect	458
Drug resistance	709	Fungi	840	Hypolipidemic	139
Drug resistant bacterial pathogen	1038	Furfural	1012	Icariin	313
Drugs interfering with RCT	885	<i>Fusarium oxysporum</i> f. sp. <i>Cubense</i>	531	Immature cotyledon	849
Dryopteridaceae	919	Gamma-delta T cells	597	Immature isoform	218
Duloxetine	732	Garlic extract	139	Immunophenotyping	107
<i>E. coli</i>	997	Garlic	1094	Immunotherapy	597
ECG	228	Gastrointestinal tract	303	<i>In vitro</i> expression	116
Efflux pumps inhibitors	764	GC-MS	979	<i>In vitro</i> fertilization	347
Egg-yolk extract	411	Gel electrophoresis	954	<i>In vitro</i> shooting	919
Eicosapentaenoic acid	241	Gene ontology	522	<i>In vitro</i>	1120
Electrocardiography	653	Gene specific marker	1125	India	573
Electron microscopy	670	Genetic markers	273	Inducible nitric oxide synthase	73
Elevated plus maze	450,510	Genotype	849	Indulin resistance	129
ELISA	1063	Germination	88	Infant respiratory distress syndrome	5
Embryo	347	Gestation	1070	Infections	606
Encapsulation efficiency	1055	Gibberellic acid	88	Infiltrating duct carcinoma	208
Endocrine profile	235	Glass transition	895	Inflammation	292
Endotoxin	797	Glucose transporter 4	129	Insulin	65
Environmental bioremediation	973	Glucose uptake	363	Interleukin-4	352
Enzymatic hydrolysis	556	Glycation	129	Intestinal microflora	960
Enzymatic pre-treatment	944	Green fluorescent protein	502	Iron overload	165
Enzymes	573,777	Growing rats	303		

Isoproterenol	228,653	Malondialdehyde	29	Neurotransmitter amino acids	241
Isozyme	670	<i>Marrubium vulgare</i>	653	Neutrophils	73
ITBHU02	322	Maximal electroshock	715	Newcastle disease virus	116
<i>Jasada bhasma</i>	811	MCF-7	485	NF- $\kappa$ B (P65)	313
JMJD2A	208	Medicinal plant	515	Nicotine	732
Kaolin clay	1004	Mediolateral polarity	421	Nitregic signaling	1086
<i>Klebsiella pneumoniae</i>	764	Memory	1094	Nitric oxide	73,352,357,1086
Kunitz trypsin inhibitor	1125	Mercury sulphide nanoparticle	973	N-nitrosodimethylamine	73
Laccase	944	Mercury	973	nNOS	1086
Lactic acid bacteria	910	Mesenchymal stroma cells	502	Non-structural protein 2B	124
<i>Lactobacillus ingluvieii</i>		Mesendoderm	201	Nude mice	485
ADK10	174	Metabolic syndrome	129	Nutrition	885
Lamellar bodies	5	Metagenomics	960	<i>Ocimum sanctum</i>	515
Langmuir adsorption isotherm	954	Metal	758	Ocular tissue	23
L-arginine	256	MgSO <sub>4</sub>	37	OGTT model	702
L-asparaginase	322	Mice	477,828	Oleaginous fungus	979
Latex agglutination test	124	Microbial Electrolytic Cell	860	Olfactory bulbectomy	435
Lawson	256	Microbial Fuel Cell	860	Open field test	450,510
LEA	746	<i>Microchaete</i>	388	Optimization	556
Lead toxicity	623	<i>Microcoleus sp</i>	393	Osome	522
Leaf development mechanism	421	Microglia	606	Osteoarthritis	313
Leaf vein network	421	Micronuclei	29	Osteoconduction	375
Learning	1094	Microsatellite	273	Osteoperiosteal gap	375
LED photobioreactor	262	Microvascular complications	56	Osteosarcoma	789
Left ventricular dynamics	694	Microwave pretreatment	992	Oviduct specific proteins	347
Left ventricular hypertrophy	48	Minimum inhibitory concentration	764	Oxazaphosphorines	615
LHR	218	Mitochondrial membrane potential	615	Oxidative stress	37,174,623,646,694,721,924,1109
Light and dark	510	Mobile phone exposures	1079	P gene	116
Light/dark exploration	450	Mobile phone	187	Pamidronate	597
Lignocellulosic biomass	1012	Molecular detection	470	Pancreatitis	292
Lipid peroxidation	37,56,249,694,721,823,1109	Monopole probe	1079	Parkinson's disease	357
Lipid profile	241,288	Monovalent liquid formulations	1038	Pb	1004
Lipid	262,979	<i>Morcophomina phaseolina</i>	1024	PCR-DGGE	960
Lipofectamine	502	<i>Moringa seed polymer</i>	804	<i>Pediococcus acidilactici</i>	935
Lipopolysaccharide	357,606	Mouse embryonic stem cell	201	<i>Penicillium corylophilum</i>	984
Lipovitellin	411	MS medium	919	<i>Penicillium expansum</i>	984
Liquid-shear	997	Mucosal	280	<i>Penicillium</i>	
Liver	477,623,721	Multi-drug resistance	764	<i>purpurogenum</i>	984
Loading	1018	Multilayered structures	400	Pentylentetrazole	715
Locomotion	732	Murrel	411	Peroxisome proliferators activated receptor $\gamma$	129
Locomotor activity	450	Myeloperoxidase	157	Phantom material Specific absorption rate	1079
Low viability	88	Myocardial infarction	653	Pharmacokinetics	811
<i>Luffa acutangula</i>	149	Myocardial injury	694	Phenotypic variability	905
Lungs	5	<i>Naja naja</i>	235	Phosphate solubilization	840
Luteinizing hormone	218	Nanoparticles	969	Phosphatidylcholine	5
Lycopene	635	Natriuretic peptide receptor-A	48	Phosphodiesterase 4	444
<i>Lyngbya sp.</i>	262	Natriuretic	823	Phosvitin	411
Macroparasitoidia	81	Nephroprotectant	139	<i>Physarum polycephalum</i>	81
MACS	107	Nephroprotective activity	149	Phytomere regulation	492
Magnesium	721	Nephrotoxicity	635	Phytomodulation	635
Malaria	273			Plant food	895
				Plant growth promoting rhizobacteria	1024

Plasmon band	543	Seed yield	548	Testis	37
Poly I:C	606	Seed Zn	548	Thiols	823
Poly urethane foam	1018	Seeds	88	Thymoquinone	292
Polyherbal formulation	702	Seizures	450	TNF- $\alpha$	357
Poly lactide	1055	Self-assembly	400	TNF- $\alpha$	797
Polymerization	400	Serotype specific		Tolerance	1004
Polyphenol	910	peptides	124	Total phenolics	709
Polysaccharides	804	Serum lipids	646	Toxicity	811
Population genetics	273	<i>Sesamum orientale</i>	670	Transfection	502
Pre-exposure to TST	732	Shed snake skin	235	Transmission electron	
Prenatal stress Offspring	1070	Shrimp-shells		microscopy	543
Pretreatment liquor	1012	hydrolysate	924	Tricalcium phosphate	375
Protease	1024	Silver nanoparticles	393,543	<i>Trichoderma</i>	543
Protease	336	Simple stipule	492	Trientine	646
Protease-deficient	322	Single-step purification	954	<i>Trimeresurus</i> complex	1063
Protein banding	670	Skeletal muscle cells	363	Triphala components	709
Proximodistal growth	421	Skin stem cells	107	Tumor formation	187
<i>Pseudomonas aeruginosa</i>	1024	Snake venom		Tumor related protein	208
<i>Pseudomonas aeruginosa</i>	336	hemorrhagiN	1063	Type IV collagen	789
<i>Pterocarpus marsupium</i>		Soil kinetic	840	U937 cells	615
heart wood	363	<i>Solanum xanthocarpum</i>	823	Ultraviolet-C	388
Purkinje neurons	685	Solid-shear	997	<i>UNIFOLIATA</i>	492
Pyramid	1070	Somatic embryogenesis	739,849	uPA	313
Pyramidal neurons	685	Sonication	997	Uropathogens	709
		Soybean oil	400	Uveitis	797
Radioprotection	29	Soybean	849,1125	Vaccine	280
Rapid-Golgi fixative	685	Sperm count	37	Vanadate	721
Rat brain	249	Spore	905	Vanillin	288,935
Rats	811	Stability	895	Vasorelaxation	661
Reactive oxygen species	187	Statistical optimization	935	Viral gene oncotherapy	116
Reduced glutathione	823	Steam explosion	944	Vitamin A	23
Regeneration	1120	Steroidogenic enzymes	37	Water activity	895
Regulation	218	Steroids	218	Water hyacinth	556
Removal efficiency	1018	Sterol esters	241	Water stress	746
Reprogramming	23	Stimulant	828	Wheat	746
Reserpine induced		Streptomyces	969	Wound healing	804
hypothermia	435	Streptozotocin	702,811,10	XAD	1012
Resistance	393		96	<i>Xanthomonas</i>	
Response surface		Stress related genes	522	<i>axonopodis</i> pv.	
methodology	336	Stress	758	<i>commiphorae</i> (Xac)	470
Response surface		Sub-acute toxicity	381	Xylanase	875,944
methodology	556	Sucrose transporter	1130	<i>Zanthoxylum rhoifolium</i>	661
Rhizome	828	Sugarcane top	992	Zinc ash	811
Rhizosphere	1024	Superoxide anion	73	Zymogram	954
<i>Rhododendron</i>		Superoxide dismutase	29	$\alpha$ -Tocopherol	823
<i>arboreum</i>	65	Supramolecular structures	400	$\beta$ -tubulin gene	840
Rice bran	935	Surfactant associated		$\Delta$ aroA	280
RNA editing	116	proteins	5	$\Delta$ htrA	280
Rodents	623	<i>Synechococcus</i> sp.	262		
RSM	935,944,97	Synergy	1032		
	9	Synthetic peptides	1055		
Saccharification	992	T7-like	1038		
Salinity	262,758	Tail suspension test	435		
<i>Salmonella</i> Abortusequi	280	Taxonomy	1063		
Salt stress	746	TEM	1055		
Saluretic	823	Terpenes	1032		