

RESEARCH PUBLICATION BY INSTITUTIONS IN THAILAND (in 190 Subject Areas)

From 1 January 2009 to 31 December 2009*

No.	Subject Area	Record Count	Major Contributing Institutions (> 2 Record Counts)
1	PHARMACOLOGY & PHARMACY	385	MU(111),CU(65),KKU(53),PSU(45),CMU(39)
2	INFECTIOUS DISEASES	352	MU(126),CU(44),CMU(37),MPH(36),KKU(30)
3	PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH	340	MU(116), CU(38), AFRIMS(29),MPH(26),KKU(24)
4	TROPICAL MEDICINE	276	MU(115),AFRIMS(28),KKU(26),CU(24),MPH(19),
5	MATERIALS SCIENCE, MULTIDISCIPLINARY	268	CMU(75),CU(43),KKU(30),SUT(24),KMITL(19), KMUTT(19)
6	BIOCHEMISTRY & MOLECULAR BIOLOGY	243	MU(87),CU(46), KU(27)=KKU(27),CMU(23),PSU(18)
7	FOOD SCIENCE & TECHNOLOGY	232	PSU(57),KU(40),CU(26),MU(21),CMU(18)
8	IMMUNOLOGY	223	MU(96), CU(39),CMU(19),KKU(17),MPH(16)
9	PLANT SCIENCES	216	MU(35),CMU(33)=PSU(33),KU(26),CU(19),KKU(14)
10	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	215	MU(52),CU(35),KU(32),PSU(22),CMU(14),
11	CHEMISTRY, MEDICINAL	148	MU(30),PSU(27),CU(22),KKU(18),CMU(12)=SWU(12)=TU(12)
12	MULTIDISCIPLINARY SCIENCES	146	CMU(47),MU(22),CU(19),KU(13),MJU(12)
13	POLYMER SCIENCE	141	CU(56),MU(33),PSU(20), NMMTC(9),NU(8)=SU(8)
14	ENERGY & FUELS	138	CU(38)=KMUTT(38),AIT(11),CMU(9),KU(8)=TU(8),SU(7)
15	ONCOLOGY	134	CMU(36),MU(35), KKU(24),CU(21),NCI(8)
16	VIROLOGY	129	MU(47),CU(24),CMU(15),MPH(12),AFRIMS(11)
17	CHEMISTRY, MULTIDISCIPLINARY	119	CU(46),MU(13)=PSU(13),KU(12),KKU(11),CMU(8)
18	MEDICINE, RESEARCH & EXPERIMENTAL	116	CU(64),MU(24),KKU(11), NU(7),CMU(5)

*Derived from the ISI Databases: Science Citation Index Expanded (SCI-EXPANDED), Social Sciences Citation Index (SSCI) and Arts & Humanities Citation Index (A&HCI) as at 10 February 2010 by Mongkon Rayanakorn (มงคล ราชะนาคร), E-mail: m.rayanakorn@gmail.com

No.	Subject Area	Record Count	Major Contributing Institutions (> 2 Record Counts)
19	CHEMISTRY, APPLIED	115	CU(24),PSU(23),KU(14),SU(12), MU(11)
20	PHYSICS, CONDENSED MATTER	108	CMU(45),SUT(21),KKU(13)=NU(13), KMITL(9),CU(8)
21	MEDICINE, GENERAL & INTERNAL	102	MU(27),HCH(21),CU(13),CMU(12), MPH(9)
22	PARASITOLOGY	100	MU(52),KKU(15),CU(8),KU(6)=TU(6), CMU(5)
23	CHEMISTRY, ANALYTICAL	96	CU(26),MU(19),CMU(17),PSU(12), KKKU(6)=NECTC(6)
23	CHEMISTRY, ORGANIC	96	MU(28),CU(26),KU(16),SU(11),CRI(7) =KKU(7)=PSU(7)
25	MARINE & FRESHWATER BIOLOGY	95	CMU(20),KU(15),PSU(13),CU(10), MJU(7)=MU(7)
26	SURGERY	88	MU(36),CU(22),CMU(6), HCH(3)=RAMH(3)=TU(3)
27	CLINICAL NEUROLOGY	86	MU(33),CU(15),KKU(13),CMU(7), PNI(5)
27	ENGINEERING, ENVIRONMENTAL	86	AIT(18)=CU(18),KMUTT(16),KKU(10), CMU(9),KU(5)=MU(5)
29	BIOCHEMICAL RESEARCH METHODS	82	MU(37),CMU(9)=KKU(9),CU(8)=KU(8), PSU(6)
29	NEUROSCIENCES	82	MU(47),CU(11),SWU(8),KKU(7), CMU(3)=WU(3)
31	MATHEMATICS, APPLIED	80	CMU(19),NU(13),KKU(9)=MU(9), SUT(8)=CU(8), TU(6)
32	GENETICS & HEREDITY	79	MU(25),CU(18),KKU(11),CMU(6), KU(5)
32	OBSTETRICS & GYNECOLOGY	79	CMU(19),CU(15),MU(14),PSU(12), KKKU(10)
34	CRYSTALLOGRAPHY	77	PSU(43),CU(16),CMU(6)=TU(6), KKKU(5),KU(4)
35	MECHANICS	74	KMUTT(20),CU(10)=MUT(10),SUT(8) =SWU(8),AIT(7)=KMITL(7),CMU(5)
36	DENTISTRY, ORAL SURGERY & MEDICINE	72	CU(27),PSU(14),KKU(13)=MU(13), CMU(5)=SWU(5),NU(3)
36	HEMATOLOGY	72	MU(33),CU(15),CMU(8), KKKU(5)=KCMH(5),SIRH(4)
38	ENGINEERING, CIVIL	71	KMUTT(20), AIT(16),CU(10), KKKU(8),TU(6)
39	PEDIATRICS	70	MU(32),CU(14),CMU(8),PSU(4), KKKU(3)=SWU(3)
40	GASTROENTEROLOGY & HEPATOLOGY	66	CU(17),MU(16),PSU(8),HCH(7), CMU(6)
41	CARDIAC & CARDIOVASCULAR SYSTEMS	64	KCMH(23)=SIRH(23),CDI(22),MU(12), CMU(8),CU(5)

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No.	Subject Area	Record Count	Major Contributing Institutions (> 2 Record Counts)
42	COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS	63	KU(13),CU(10),TU(8),MU(6),KKU(5)=KMITL(5)
42	THERMODYNAMICS	63	KMUTT(26),MUT(10),KMITL(7)=SWU(7),CMU(5),TU(4)
44	ZOOLOGY	62	CU(21), NSTDA(10),MU(8),CMU(5)=KU(5), KMUTT(4)=PSU(5)
45	ENGINEERING, MECHANICAL	59	KMUTT(22),CU(11),AIT(5)=TU(5),KMUTNB(4)=MUT(4),CMU(3)
46	FISHERIES	58	CU(12),KU(10)=MU(10),PSU(9),NSTDA(8),BU(6)
47	CELL BIOLOGY	57	MU(27),KKU(12),PSU(5)=TU(5),KU(4)=NCGEB(4),BRU(3)=CMU(3)=MSU(3)
48	NUTRITION & DIETETICS	55	PSU(13),MU(11), CMU(9),KKU(3)=NSTDA(3)=SUT(3)
48	WATER RESOURCES	55	AIT(12),KMUTT(7)=KU(7),CMU(4)=CU(4)= MU(4),KKU(3)
50	ENDOCRINOLOGY & METABOLISM	54	MU(31),CU(9),PSU(6),CMU(4)
50	OPTICS	54	KMITL(24),RMUTI(6), CU(5)= NECTC(5),KKU(4),MUT(3)
52	MATHEMATICS	53	CMU(19),NU(15),CU(5)= KMUTT(5),MU(4), KKU(3)
53	MYCOLOGY	52	MFU(18),CMU(15), NCGEB(9),KU(4)=MU(4),CU(3)=NSTDA(3)
54	NANOSCIENCE & NANOTECHNOLOGY	49	CU(13),KKU(8),MU(5)=NSTDA(5),KU(4)=NECTC(4)=PSU(4),CMU(3)
55	UROLOGY & NEPHROLOGY	48	CU(14)=MU(14),KCMH(5)=PSU(5),HCH(3)=RAMH(3)
56	ECOLOGY	46	CU(7),KU(6),AIT(5),CMU(4),MU(3)
56	ECONOMICS	46	CU(10),MU(6), KKU(4)=MPH(4)=TDRI(4),CMU(3)
58	AGRICULTURE, DAIRY & ANIMAL SCIENCE	45	CU(14),KKU(7),CMU(6),KU(5),MSU(3)=MAC(3)=RMUTI(3)=SUT(3)
59	PATHOLOGY	44	CU(14),MU(13),KKU(5),PSU(4)=SIRH(4),CMU(3)=TU(3)
59	TELECOMMUNICATIONS	44	KMITL(17),CU(8),AIT(5),KMUTNB(4)=TU(4),AU(3)
61	AGRONOMY	43	KU(11),KKU(8),CMU(3)
62	GEOSCIENCES, MULTIDISCIPLINARY	41	AIT(9),CU(7),KU(5),DMR(3)=SUT(3)
62	INSTRUMENTS & INSTRUMENTATION	41	CMU(9),CU(7),NECTC(6),MU(5),PSU(3)=TU(3)
64	ALLERGY	40	MU(26),CU(10),KKU(2)=SSH(2)
64	MATERIALS SCIENCE, CERAMICS	40	CMU(29),CU(4)= NMMTC(4),MU(3)
66	BIOPHYSICS	38	CU(15),MU(12),KU(4)=MSU(4) =PSU(4)

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66	RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING	38	MU(10),CMU(8),CU(7)
66	REPRODUCTIVE BIOLOGY	38	CU(16),MU(8),SUT(5),CMU(4), FIO(3)=KU(3)
69	METALLURGY & METALLURGICAL ENGINEERING	36	CMU(7),KMUTT(6),CU(5)=KKU(5)=KMITL(5),MJU(4),KU(3)=PSU(3)
69	RESPIRATORY SYSTEM	36	CMU(7)=MU(7),MNCH(4),CU(3)
71	DERMATOLOGY	35	MU(12),CU(7), INSTD(4)=SIRH(4)
71	ENTOMOLOGY	35	KU(13),MU(9),CMU(8),MPH(6)
71	TOXICOLOGY	35	MU(11),CMU(5),CU(4)=KKU(4)=MPH(4),CRI(3)=KU(3)=SU(3)
74	AGRICULTURAL ENGINEERING	34	KU(9),CU(8),AIT(4),CMU(3)=KKU(3)
74	CONSTRUCTION & BUILDING TECHNOLOGY	34	AIT(9)=KMUTT(9),KKU(5)=TU(5),CU(3)
74	HEALTH POLICY & SERVICES	34	CU(9),MU(8),KKU(6),MPH(5),PSU(3)
77	ELECTROCHEMISTRY	33	CU(15),CMU(4)=MU(4)=NECTC(4)=PSU(4),KMUTNB(3)
77	HEALTH CARE SCIENCES & SERVICES	33	CU(9),MU(7)=MPH(7),KKU(4),PSU(3)
79	BIOLOGY	31	MU(16),CRI(3)=SWU(3)
79	ENVIRONMENTAL STUDIES	31	AIT(11),CMU(6)
79	PSYCHOLOGY, MULTIDISCIPLINARY	31	MSU(6),CMU(4),MU(3)=TU(3)
82	PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	30	CU(12),CMU(5)=KMUTT(5),KU(4), PSU(3)
83	AGRICULTURE, MULTIDISCIPLINARY	28	KU(6),KKU(5),PSU(5)
83	MATERIALS SCIENCE, COATINGS & FILMS	28	CMU(11),CU(6),KKU(3)
83	OPHTHALMOLOGY	28	MU(10),CU(5),KKU(4),CMU(3)
86	ENGINEERING, MULTIDISCIPLINARY	27	CU(7),TU(5),KMUTT(4)=SUT(4)
87	PHYSICS, MATHEMATICAL	26	SUT(7),CMU(4)=KKU(4)=KMUTT(4), SWU(3)
88	COMPUTER SCIENCE, INFORMATION SYSTEMS	25	KU(6),KMITL(5)=TU(5),TU(3)
88	PERIPHERAL VASCULAR DISEASE	25	MU(8),CU(6), CDI(4)=CMH(4),CMU(3)
90	ENGINEERING, INDUSTRIAL	24	CU(7),KU(6),AIT(5),TU(4)
91	PHYSICS, MULTIDISCIPLINARY	23	SUT(6),CMU(4),MU(4),CU(3),NU(3)
92	METEOROLOGY & ATMOSPHERIC SCIENCES	22	AIT(5)=KMUTT(5)
92	NURSING	22	CMU(7),MU(6)
94	AUTOMATION & CONTROL SYSTEMS	21	CU(5),KMITL(3)
94	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE	21	CU(6),KMITL(4),AIT(3)
94	ENGINEERING, BIOMEDICAL	21	MU(7),CU(4),KMITL(3)
94	MATHEMATICS, INTERDISCIPLINARY APPLICATIONS	21	SUT(5),CU(4),TU(3)
98	EVOLUTIONARY BIOLOGY	20	CU(5),KU(4),CMU(3)=MU(3)
98	ORTHOPEDICS	20	MU(7),CMU(6)

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98	PHYSICS, FLUIDS & PLASMAS	20	CU(6),SUT(5),KU(3)=KMUTT(3)
98	PHYSIOLOGY	20	MU(13),CU(3)
98	RHEUMATOLOGY	20	MU(11),CMU(4)=CU(4)
103	FORESTRY	19	KU(7),MU(3)
103	MANAGEMENT	19	CU(4)=TU(4),AIT(3)
103	MEDICAL LABORATORY TECHNOLOGY	19	MU(6),NU(3)=PSU(3)
106	ASTRONOMY & ASTROPHYSICS	18	NU(9),MU(3)
106	CHEMISTRY, INORGANIC & NUCLEAR	18	PSU(8),KKU(4),CU(3)
106	COMPUTER SCIENCE, SOFTWARE ENGINEERING	18	TU(5),MU(3)
109	TRANSPLANTATION	17	CU(4)=MU(4),TU(3)
109	ACOUSTICS	17	CMU(4)
109	PSYCHIATRY	17	MU(7),CU(4)
112	CRITICAL CARE MEDICINE	16	MU(7),CU(4),CMU(3)
112	HORTICULTURE	16	CMU(4),KU(3)
112	MATERIALS SCIENCE, BIOMATERIALS	16	CU(8)
112	MATERIALS SCIENCE, COMPOSITES	16	CU(8),KMUTT(4),SUT(3)
112	REHABILITATION	16	MU(7),CU(6),CMU(5)
112	SOCIAL SCIENCES, BIOMEDICAL	16	CMU(5),CU(3)=MU(3)
112	SPORT SCIENCES	16	MU(8),CMU(7),CU(3)=KKU(3)
119	ENGINEERING, GEOLOGICAL	15	AIT(6),KU(3)
119	INTEGRATIVE & COMPLEMENTARY MEDICINE	15	MU(4)=PSU(4),CU(3)=KKU(3)
119	PHYSICS, NUCLEAR	15	CMU(5),SUT(4),KMUTT(3)
122	LINGUISTICS	14	CU(5)
122	NUCLEAR SCIENCE & TECHNOLOGY	14	CMU(4)=CU(4),KMUTT(3)= TI NT(3)
122	SPECTROSCOPY	14	CU(5)
125	COMPUTER SCIENCE, HARDWARE & ARCHITECTURE	13	KMITL(9)
125	EDUCATION, SCIENTIFIC DISCIPLINES	13	MU(8),CU(3)
125	OCEANOGRAPHY	13	CU(4)
125	OPERATIONS RESEARCH & MANAGEMENT SCIENCE	13	CU(4)=TU(4)
125	SOIL SCIENCE	13	KKU(4),KU(3)
125	TRANSPORTATION SCIENCE & TECHNOLOGY	13	[NONE > 2 RECORD COUNTS]
131	BUSINESS	12	CU(3)=MU(3)
132	DEVELOPMENTAL BIOLOGY	11	MU(4),CU(3)=SUT(3)
132	ENGINEERING, MANUFACTURING	11	CU(5)
132	MATERIALS SCIENCE, CHARACTERIZATION & TESTING	11	CU(4),MU(3)
132	MATHEMATICAL & COMPUTATIONAL BIOLOGY	11	MU(4)
132	MINERALOGY	11	CU(4),KKU(3)
137	EDUCATION & EDUCATIONAL RESEARCH	10	MU(4)

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137	LANGUAGE & LINGUISTICS	10	CU(3)
137	TRANSPORTATION	10	[NONE > 2 RECORD COUNTS]
140	ANTHROPOLOGY	9	CMU(5),AIT(3)
140	BIODIVERSITY CONSERVATION	9	[NONE > 2 RECORD COUNTS]
140	COMPUTER SCIENCE, THEORY & METHODS	9	[NONE > 2 RECORD COUNTS]
140	OTORHINOLARYNGOLOGY	9	CMU(3)
144	BUSINESS, FINANCE	8	CU(5),MU(3)
144	PALEONTOLOGY	8	DMR(4)
144	PHYSICS, PARTICLES & FIELDS	8	NU(4)=SUT(4)
144	STATISTICS & PROBABILITY	8	MU(3)
144	ANESTHESIOLOGY	8	CU(3)
149	AREA STUDIES	7	CU(3)
149	EMERGENCY MEDICINE	7	CMU(3)
149	MATERIALS SCIENCE, TEXTILES	7	[NONE > 2 RECORD COUNTS]
149	PLANNING & DEVELOPMENT	7	[NONE > 2 RECORD COUNTS]
149	SUBSTANCE ABUSE	7	MU(3)
154	ANATOMY & MORPHOLOGY	6	MU(4)
154	ENGINEERING, PETROLEUM	6	[NONE > 2 RECORD COUNTS]
154	GEOCHEMISTRY & GEOPHYSICS	6	[NONE > 2 RECORD COUNTS]
154	GERIATRICS & GERONTOLOGY	6	CU(4)=MU(4)
154	INTERNATIONAL RELATIONS	6	[NONE > 2 RECORD COUNTS]
154	RELIGION	6	[NONE > 2 RECORD COUNTS]
160	BEHAVIORAL SCIENCES	5	[NONE > 2 RECORD COUNTS]
160	GEOLOGY	5	[NONE > 2 RECORD COUNTS]
160	GERONTOLOGY	5	MU(3)
160	LITERATURE, BRITISH ISLES	5	SUT(4)
160	MEDICAL INFORMATICS	5	[NONE > 2 RECORD COUNTS]
160	MICROSCOPY	5	[NONE > 2 RECORD COUNTS]
160	ROBOTICS	5	[NONE > 2 RECORD COUNTS]
160	SOCIOLOGY	5	CMU(4),AIT(3)
168	AGRICULTURAL ECONOMICS & POLICY	4	[NONE > 2 RECORD COUNTS]
168	COMMUNICATION	4	[NONE > 2 RECORD COUNTS]
168	GEOGRAPHY	4	[NONE > 2 RECORD COUNTS]
168	GEOGRAPHY, PHYSICAL	4	[NONE > 2 RECORD COUNTS]
168	HOSPITALITY, LEISURE, SPORT & TOURISM	4	[NONE > 2 RECORD COUNTS]
168	MATERIALS SCIENCE, PAPER & WOOD	4	[NONE > 2 RECORD COUNTS]
168	MINING & MINERAL PROCESSING	4	KKU(4)
168	PHILOSOPHY	4	[NONE > 2 RECORD COUNTS]
168	PSYCHOLOGY, CLINICAL	4	MU(3)
168	PSYCHOLOGY, DEVELOPMENTAL	4	[NONE > 2 RECORD COUNTS]
168	REMOTE SENSING	4	[NONE > 2 RECORD COUNTS]
168	SOCIAL SCIENCES, INTERDISCIPLINARY	4	[NONE > 2 RECORD COUNTS]
168	URBAN STUDIES	4	[NONE > 2 RECORD COUNTS]

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168	WOMEN'S STUDIES	4	[NONE > 2 RECORD COUNTS]
182	DEMOGRAPHY	3	[NONE > 2 RECORD COUNTS]
182	ERGONOMICS	3	[NONE > 2 RECORD COUNTS]
182	ETHICS	3	[NONE > 2 RECORD COUNTS]
182	FAMILY STUDIES	3	[NONE > 2 RECORD COUNTS]
182	LIMNOLOGY	3	[NONE > 2 RECORD COUNTS]
182	MEDICINE, LEGAL	3	[NONE > 2 RECORD COUNTS]
182	NEUROIMAGING	3	MU(3)
182	PSYCHOLOGY	3	[NONE > 2 RECORD COUNTS]
182	PSYCHOLOGY, EDUCATIONAL	3	[NONE > 2 RECORD COUNTS]
191	ANDROLOGY	2	[NONE > 2 RECORD COUNTS]

Notation for Contributing Institutions :

AFRIMS=ARMED FORCES RES INST MED SCI, AIT=ASIAN INST TECHNOL, AU=ASIAN UNIV, BRU=BURIRAM RAJABHAT UNIV, BU=BURAPHA UNIV, CDI=CHEST DIS INST, CRI=CHULABHORN RES INST, CU=CHULALONGKORN UNIV, CMU=CHIANG MAI UNIV, DMR=DEPT MINERAL RESOURCES, FIO=FOREST IND ORG, HCH=HUA CHIEW HOSP, INSTD=INST DERMATOL, KCMH=KING CHULALONGKORN MEM HOSP, KKU=KHON KAEN UNIV, KMITL=KING MONGKUTS INST TECHNOL LADKRABANG, KMUTNB=KING MONGKUTS UNIV TECHNOL N BANGKOK, KMUTT=KING MONGKUTS UNIV TECHNOL THONBURI, KU=KASETSART UNIV, MAC=MINIST AGR & COOPERAT, MJU=MAEJO UNIV, MNCH=MAHARAJ NAKORN CHIANG MAI HOSP, MPH=MINIST PUBL HLTH, MSU=MAHASARAKHAM UNIV, MU=MAHIDOL UNIV, MUT=MAHANAKORN UNIV TECHNOL, NCGEB=NATL CTR GENET ENGN & BIOTECHNOL, NECTC=NATL ELECT & COMP TECHNOL CTR, NMMTC=NATL MET & MAT TECHNOL CTR, NSTDA=NATL SCI & TECHNOL DEV AGCY, NU=NARESUAN UNIV, PNI=PRASAT NEUROL INST, PSU=PRINCE SONGKLA UNIV, RAMH=RAMATHIBODI HOSP, RMUTI=RAJAMANGALA UNIV TECHNOL ISAN, SIRH=SIRIRAJ HOSP, SSH=SAMUTSAKORN HOSP, SWU=SRINAKHARINWIROT UNIV, SU=SILPAKORN UNIV, SUT=SURANAREE UNIV TECHNOL, TINT=THAILAND INST NUCL TECHNOL, TU=THAMMASAT UNIV, WU=WALAILAK UNIV

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