

Top Universities in Thailand in 100 Research Areas in 2012
Based on Numbers of ISI Research Publications from 1 January 2012 to 31 December 2012*

Research Area	Total Record Count	Top Universities (with No. of Publications)
Chemistry	656	1 CU (175), 2 MU (88), 3 PSU (73), 4 KU (67), 5 CMU=KKU (51)
Engineering	633	1 CU (138), 2 KMUTT (97), 3 KMITL (62), 4 KU (52), 5 TU (46)
Infectious Diseases	506	1 MU (232), 2 CU (71), 3 KKU (50), 4 CMU (38), 5 TU (16)
Materials Science	449	1 CU (87), 2 CMU (79), 3 KMUTT (42), 4 PSU (40), 5 KKU (38)
Pharmacology Pharmacy	385	1 MU (106), 2 CU (71), 3 CMU (48), 4 KKU (43), 5 SU (23)
Science Technology Other Topics	365	1 CMU (78), 2 MU (71), 3 CU (55), 4 KMUTT (23), 5 KU (20)
Biochemistry Molecular Biology	345	1 MU (106), 2 CU (60), 3 KKU (39), 4 CMU (28), 5 KU (26)
Physics	338	1 CMU (69), 2 CU (56), 3 SUT (37), 4 KMITL (35), 5 KU (33)
Public Environmental Occupational Health	274	1 MU (117), 2 CU (44), 3 KKU (24), 4 PSU (17), 5 CMU (16)
Immunology	265	1 MU (118), 2 CU (53), 3 CMU (26), 4 KKU (16), 5 PSU (7)
Food Science Technology	263	1 KU (55), 2 PSU (41), 3 CU (28), 4 CMU (26), 5 MU=KMUTT (24)
Biotechnology Applied Microbiology	252	1 CU (51), 2 MU (47), 3 KU (26), 4 KMUTT (25), 5 PSU (23)
Gastroenterology Hepatology	247	1 MU (106), 2 CU (86), 3 PSU (18), 4 CMU=KU (16), 5 KKU (13)
Agriculture	244	1 KU (54), 2 KKU (44), 3 CU (34), 4 CMU (22), 5 MU (12)
Environmental Sciences Ecology	234	1 CU (32), 2 KU (31), 3 AIT=KMUTT (28), 4 MU (22), 5 CMU (16)
Tropical Medicine	231	1 MU (136), 2 CU=KKU (24), 3 PSU (12), 4 CMU (10), 5 KU=KU (5)
Microbiology	224	1 MU (87), 2 CU (37), 3 CMU (20), 4 KU (16), 5 PSU (14)
Plant Sciences	223	1 MU (87), 2 CU (37), 3 CMU (20), 4 KU (16), 5 PSU (14)
Mathematics	200	1 KMUTT (55), 2 CMU (29), 3 NU (21), 4 CU (18), 5 MU (11)
Veterinary Sciences	194	1 CU (107), 2 KU (25), 3 KKU (21), 4 CMU (14), 5 MSU (6)
Polymer Science	175	1 CU (57), 2 MU (41), 3 PSU (30), 4 KU (19), 5 KMUTT (11)
Parasitology	173	1 MU (76), 2 KKU (48), 3 CMU (14), 4 CU (12), 5 KU (9)
Neurosciences Neurology	168	1 MU (50), 2 CU (45), 3 KKU (18), 4 TU (10), 5 CMU (4)
Oncology	164	1 MU (65), 2 KKU (31), 3 CU (28), 4 CMU (22), 5 PSU (12)
Computer Science	145	1 CU (24), 2 KMITL (21), 3 KU (19), 4 KMUTT (15), 5 MU (11)
Energy Fuels	138	1 CU (33), 2 KMUTT (20), 3 AIT (14), 4 KU=KKU (11), 5 TU (8)

Research Experimental Medicine	124	1 MU (45), 2 CU (41), 3 KKKU (11), 4 CMU (10), 5 SWU (6)
Business Economics	123	1 MU (20), 2 CU (19), 3 AIT (9), 4 CMU=SU (7), 5 UTCC (6)
Cardiovascular System Cardiology	111	1 MU (52), 2 CU (32), 3 CMU (12), 4 KKKU (9), 5 TU (3)
Virology	108	1 MU (37), 2 CU (30), 3 CMU (20), 4 KKKU (4), PSU (2)
Cell Biology	107	1 MU (40), 2 CU (22), 3 KKKU (16), 4 SWU=TU (6), 5 CMU=SUT (5)
Genetics Heredity	106	1 MU (30), 2 CU (21), 3 CMU (14), 4 KKKU (13), 5 KU (8)
Surgery	105	1 MU (45), 2 CU (23), 3 CMU (8), 4 PSU (5), 5 KKKU=TU (5)
Hematology	104	1 MU (50), 2 CU (18), 3 CMU 12, 4 KKKU (10), 5 TU (7)
General Internal Medicine	97	1 MU (37), 2 KKKU (19), 3 CU (17), 4 CMU (13), 5 TU (5)
Health Care Sciences Services	95	1 MU (25), 2 CU (16), 3 CMU (8), 4 SU (7), 5 PSU (5)
Zoology	88	1 CU (18), 2 MU (15), 3 KU (13), 4 CMU (11), 5 PSU (7)
Pediatrics	79	1 MU (25), 2 CU (18), 3 CMU (10), 4 PSU (5), 5 KKKU=RSU (3)
Psychiatry	79	1 CMU (12), 2 PSU (9), 3 KKKU=MU (8), 4 CU (6), 5 TU (4)
Dentistry Oral Surgery Medicine	77	1 CU (23), 2 MU (21), 3 CMU (9), 4 PSU=TU (8), 5 KKKU (6)
Dermatology	77	1 MU (33), 2 CU (21), 3 CMU (14), 4 KKKU (3), 5 MFU (2)
Endocrinology Metabolism	74	1 MU (34), 2 CMU (10), 3 CU (8), 4 KKKU=NU (4), 5 BU=MSU (3)
Mycology	74	1 MFU (32), 2 CMU (13), 3 CU (9), 4 KKKU (4), 5 KU=PSRU (3)
Obstetrics Gynecology	74	1 CMU (18), 2 MU (17), 3 CU (15), 4 PSU (9), 5 KKKU=RSU (3)
Mechanics	72	1 KMUTT (16), 2 MNUT (11), 3 KMITL (8), 4 SUT (7), 5 TU (6)
Geology	69	1 CU (19), 2 AIT (9), 3 KU=MSU=SUT (4), 4 NU=PSU (3), 5 CMU=KKU=MU (2)
Nutrition Dietetics	68	1 PSU (18), 2 MU (12), 3 CMU (9), 4 KKKU (5), 5 CU=KU=MSU (4)
Radiology Nuclear Medicine Medical Imaging	65	1 MU (20), 2 CMU (15), 3 CU (13), 4 PSU (2)
Electrochemistry	61	1 CU (20), 2 KKKU=KMUTT (7), 3 PSU (6), 4 KU (5), 5 AIT=CMU=TSU (4)
Water Resources	61	1 AIT (12), 2 CU=KU (10), 3 KMUTT (7), 4 KKKU=PSU (3), 5 CMU (2)
Medical Laboratory Technology	58	1 CU (16), 2 MU (14), 3 KKKU (11), 4 CMU=PSU (8), 5 SU=SWU (2)
Thermodynamics	57	1 KMUTT (17), 2 MNUT (12), 3 KMITL (9), 4 TU (7), 5 PSU (5)
Toxicology	56	1 MU (12), 2 CU=CMU (9), 3 KKKU (8), 4 KU=NU (4), 5 BU (2)
Life Sciences Biomedicine Other Topics	55	1 MU (22), 2 CMU (8), 3 CU (6), 4 SWU (5), 5 KU=KKU (4)

Integrative Complementary Medicine	54	1 CU (13), 2 CMU=MU=PSU (11), 3 KKU (10), 4 TU (6), 5 BU=NU (3)
Optics	54	1 KMITL (20), 2 KKU (4), 3 BKU=CMU=CU=KU=KMUTT=SU=SDRU=SUT (3)
Pathology	54	1 MU (21), 2 CU (16), 3 KKU (10), 4 CMU=PSU (4)
Instruments Instrumentation	53	1 CMU (12), 2 CU (10), 3 KMITL=PSU (8), 4 KMUTT=SUT (3), 5 KU=TU (2)
Urology Nephrology	52	1 CU=MU (13), 2 CMU (6), 3 PSU (4)
Biophysics	47	1 MU (22), 2 CU (11), 3 KU=KMUTT (4), 4 KKU (3), 5 CMU=MSU=RSU=SWU=SUT (2)
Psychology	47	1 CMU (11), 2 CU (10), 3 MU (4), 4 MSU (3), 5 SWU (2)
Nursing	46	1 MU (15), 2 KKU (5), 3 CU (4), 4 BU=CMU=PU=PSU (3), 5 SUT (2)
Marine Freshwater Biology	45	1 KU (15), 2 PSU (6), 3 CU (3), 4 AIT=BU=CMU=KKU=RMUTS (2)
Entomology	44	1 CMU (10), 2 KU=MU (9), 3 CU (8), 4 PSU (4), 5 KKU (2)
Allergy	43	1 MU (17), 2 CU (12), 3 PSU (3), 4 CMU (2)
Ophthalmology	41	1 CMU (16), 2 MU (10), 3 PSU (6), 4 KKU (3)
Meteorology Atmospheric Sciences	40	1 CU (14), 2 KMUTT (6), 3 AIT (5), 4 TU (3), 5 KU=MU (2)
Fisheries	39	1 KU (16), 2 MU (7), 3 CU=PSU (5), 4 RMUTS=SWU (4), 5 KKU (2)
Nuclear Science Technology	38	1 CMU (15), 2 KMUTT (8), 3 KU=PSU (4), 4 CU=UBRU (3)
Orthopedics	37	1 MU (15), 2 CU (9), 3 CMU (5), 4 SWU (4)
Astronomy Astrophysics	34	1 NU (13), 2 CU (3), 3 CMU (2)
Automation Control Systems	33	1 KMITL (11), 2 CU (6), 3 KMUTT (4), 4 AIT=BKU (2)
Construction Building Technology	33	1 KMUTT (8), 2 KKU (7), 3 CU (6), 4 AIT (5), 5 KMUTNB=TU (3)
Operations Research Management Science	33	1 CMU (6), 2 CU=KMITL (4), 3 AIT=TU (3), 4 KU=KKU=KMUTT=NU=PSU (2)
Reproductive Biology	33	1 CU (17), 2 KU (5), 3 MSU (4), 4 KKU=MU (3), 5 CMU=SUT (2)
Respiratory System	33	1 MU (17), 2 CU (9), 3 NU (2)
Substance Abuse	32	1 PSU (7), 2 CMU (5), 3 MU (3), 4 MU (3), 5 CU (2)
Telecommunications	31	1 KMITL (8), 2 AIT=CU (4), 3 KMUTNB=SUT (3), 4 KMUTT (2)
Physiology	30	1 MU (15), 2 CMU (6), 3 BU=CU=KKU (4), 4 SUT (2)
Transplantation	30	1 MU (20), 2 CU (5), 3 SWU (2)
Metallurgy Metallurgical Engineering	28	1 CU (9), 2 PSU (6), 3 CMU=KKU=MSU (3), 4 BU=KU=KMUTT (2)
Geriatrics Gerontology	27	1 KKU=MU (6), 2 CMU=CU=TU (3)
Rheumatology	25	1 MU (11), 2 KKU (7), 3 CMU (4)
Crystallography	23	1 PSU (6), 2 CMU=CU (5), 3 MSU (3), 4 KKU=MJU=WU (2)
Education Educational	23	1 MU (8), 2 KU (4), 3 SU (3), 4 KKU=KMUTT (2)

Research		
Otorhinolaryngology	22	1 CU (6), 2 MU (5), 3 CMU (4), 4 PSU (2)
Spectroscopy	22	1 KKU (4), 2 CMU (3), 3 CU=KU=MU=PSU=RUTI=UBRU (2)
Forestry	21	1 KU (6), 2 WU (5), 3 CMU (3)
Sport Sciences	21	1 CU (7), 2 CMU (4), 3 KKU (3)
Anesthesiology	20	1 MU (11), 2 CMU=PSU (3), 3 KKU (2)
Mathematical Computational Biology	20	1 MU (5), 2 KMUTT (3), 3 CMU=CU=KU (2)
Evolutionary Biology	18	1 KKU (3), 2 KU=KMUTT=MU=UBRU (2)
Transportation	18	1 AIT (3), 2 CU (3), 3 KMUTT (2)
Social Sciences Other Topics	17	1 CMU (4), 2 STOU (2)
Rehabilitation	15	1 MU (9), 2 CU (3), 3 CMU (2)
Area Studies	14	1 STOU (3), 2 CMU=CU (2)
Biomedical Social Sciences	13	1 CU=MU (4),
Biodiversity Conservation	12	1 KU (3), 2 KMUTT (2)
Urban Studies	12	1 AIT (2)
Public Administration	11	1 AIT=CMU=TU (2)
<p>Notation for Universities Listed Above AIT: Asian Institute of Technology, BKU: Bangkok University, BU: Burapha University, CMU: Chiang Mai University, CU: Chulalongkorn University, KKU: Khon Kaen University, KMITL: King Mongkut's Institute of Technology Ladkrabang, KMUTNB: King Mongkut's University of Technology North Bangkok, KMUTT: King Mongkut's University of Technology Thonburi, KU: Kasetsart University, MFU: Mae Fah Luang University, MJU: Maejo University, MNUT: Mahanakorn University of Technology, MSU: Maharakham University, MU: Mahidol University, NU: Naresuan University, PSRU: Pibulsongkram Rajabhat University, PSU: Prince of Songkla University, PU: Payap University, RMUTI: Rajamangala University of Technology Isan, RMUTS: Rajamangala University of Technology Srivjaya, RSU: Rangsit University, SDRU: Suan Dusit Rajabhat University, STOU: Sukhothai Thammathirat Open University, SU: Silpakorn University, SWU: Srinakharinwirot University, SUT: Suranaree University of Technology, TSU: Thaksin University, TU: Thammasat University, UBRU: Ubon Ratchathani University, UTCC: University of Thai Chamber of Commerce, WU: Walailak University</p>		
<p>*Derived from Science Citation Index, Social Sciences Citation Index and Arts and Humanities Citation Index databases through ISI Web of Knowledge as at 1 March 2013 by Mongkon Rayanakorn, Ph.D. , Adjunct Associate Professor, CMU Faculty of Science (email: m.rayanakorn@gmail.com).</p>		