

Taif University

Vice Presidency for Graduate Studies and Scientific Research

Deanship of Scientific Research

2021

Scientific Research,

Ambition and Targets

قصة نجاح

البحث العلمي - طموح واهداف



TU

جامعة الطائف
TAIF UNIVERSITY

قصة نجاح



الرؤية

البحث العلمي هو أساس التقدم المعرفي ومحور الارتكاز للتطور التقني والمساهمة الفعالة في تحقيق أهداف التنمية المستدامة.

الرسالة

تحقيق التميز في البحث العلمي والتطبيقات العملية، من خلال تطوير البنية الأساسية المحفزة للبحث العلمي، وتكوين كوادر متميزة من الباحثين ومساعدتهم، وتحقيق شراكة فعالة مع مختلف قطاعات المجتمع تمكن من المساهمة في إنجاح جهود التنمية في إطار الالتزام بالقيم الإسلامية الأصيلة، والانطلاق من حيث انتهى الآخرون.

الأهداف

- إنشاء، وتطوير البنية التحتية للبحث العلمي بالجامعة بما يفي بمتطلبات البحث العلمي، ويساهم في التطوير، والتحسين المستمر لجهود البحث العلمي. ويتحقق هذا الهدف من خلال تحقيق الأهداف الفرعية التالية
- تنمية، وتطوير مهارات البحث، ومملكة الإبداع، والابتكار لدى أعضاء هيئة التدريس، وتحفيزهم على إجراء البحوث المتميزة في ضوء الموضوعات المحددة وفقاً لاحتياجات المجتمع، ويتحقق هذا الهدف من خلال تحقيق الأهداف الفرعية التالية:
- تحديد موضوعات، ومجالات البحث العلمي في ضوء الاحتياجات الحالية، والمستقبلية للمجتمع، وبما يساهم في حل مشاكله، وتطويره. ويتحقق هذا الهدف من خلال تحقيق تنمية ودعم الشراكة الفعالة مع مختلف قطاعات المجتمع

قصة نجاح

Taif University

Numbers and Indicators

2021

1



ACADEMIC
RANKING OF
WORLD
UNIVERSITIES

SINCE
2003

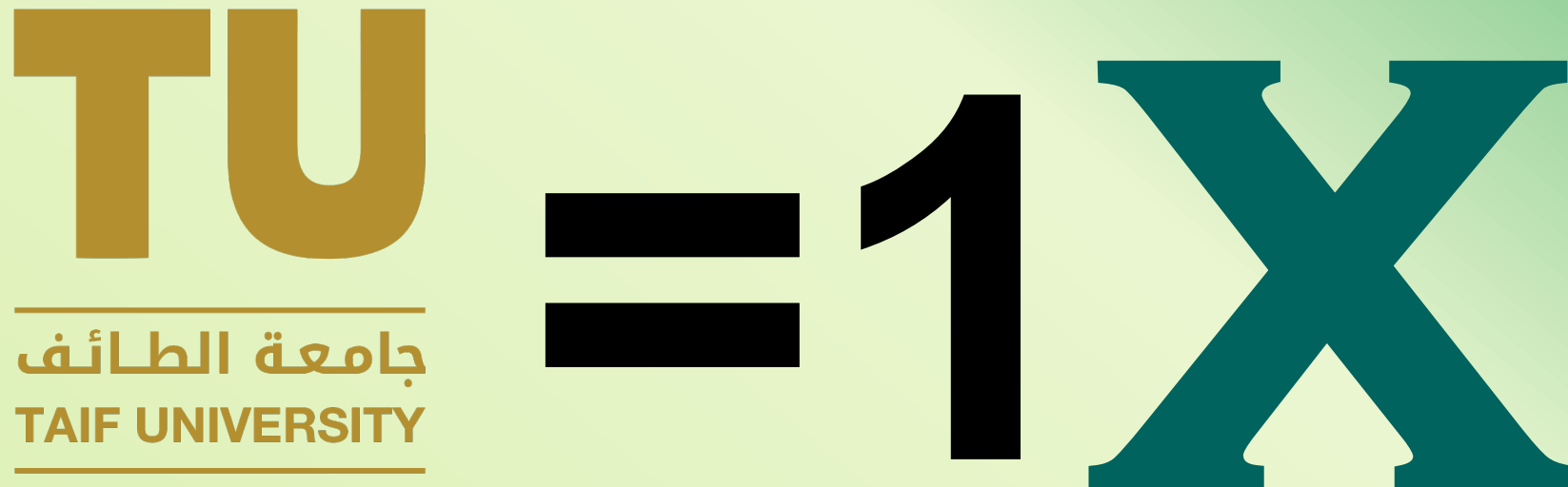
2

THE ARAB
UNIVERSITY
RANKINGS
2021

3



Number of Publications in WOS = Number of Academic staff

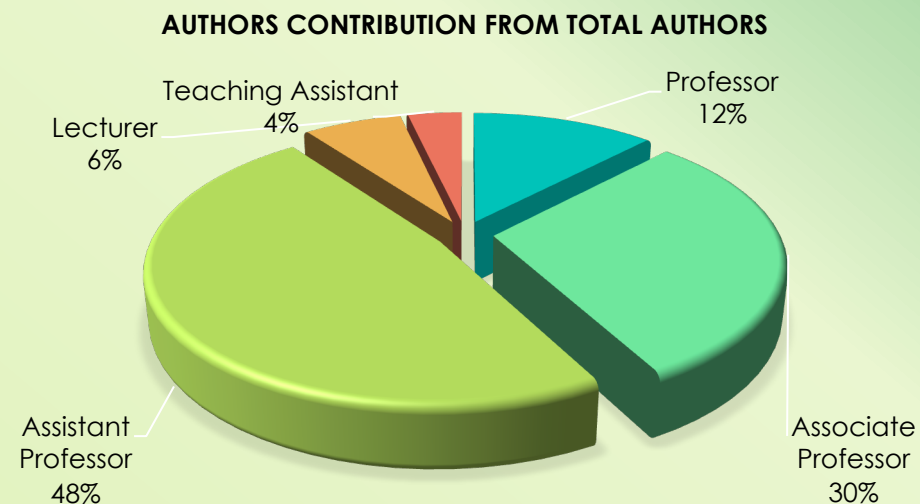
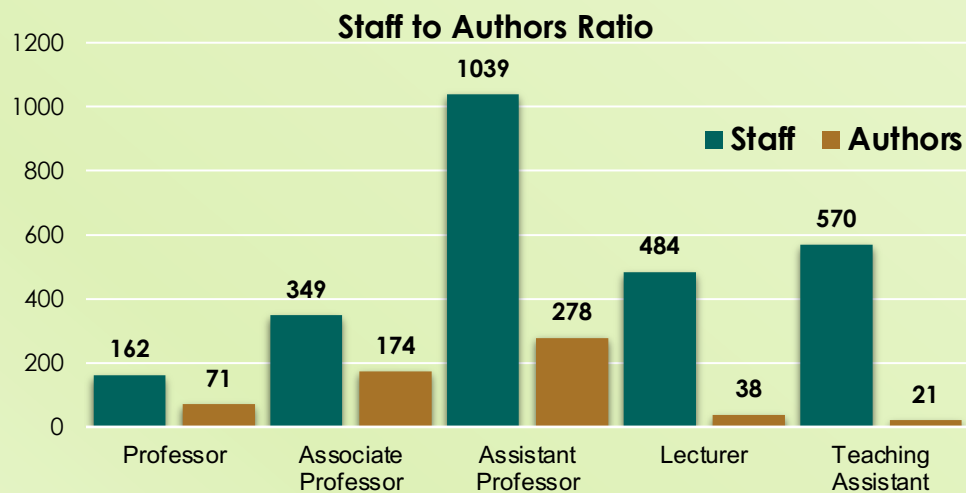


The graphic shows the TU logo (with Arabic and English text) followed by an equals sign, the number 1, and a large X, representing the equation: Number of Publications in WOS = Number of Academic staff.

Number of staff publish at least one paper is **610** academics

Staff Analysis

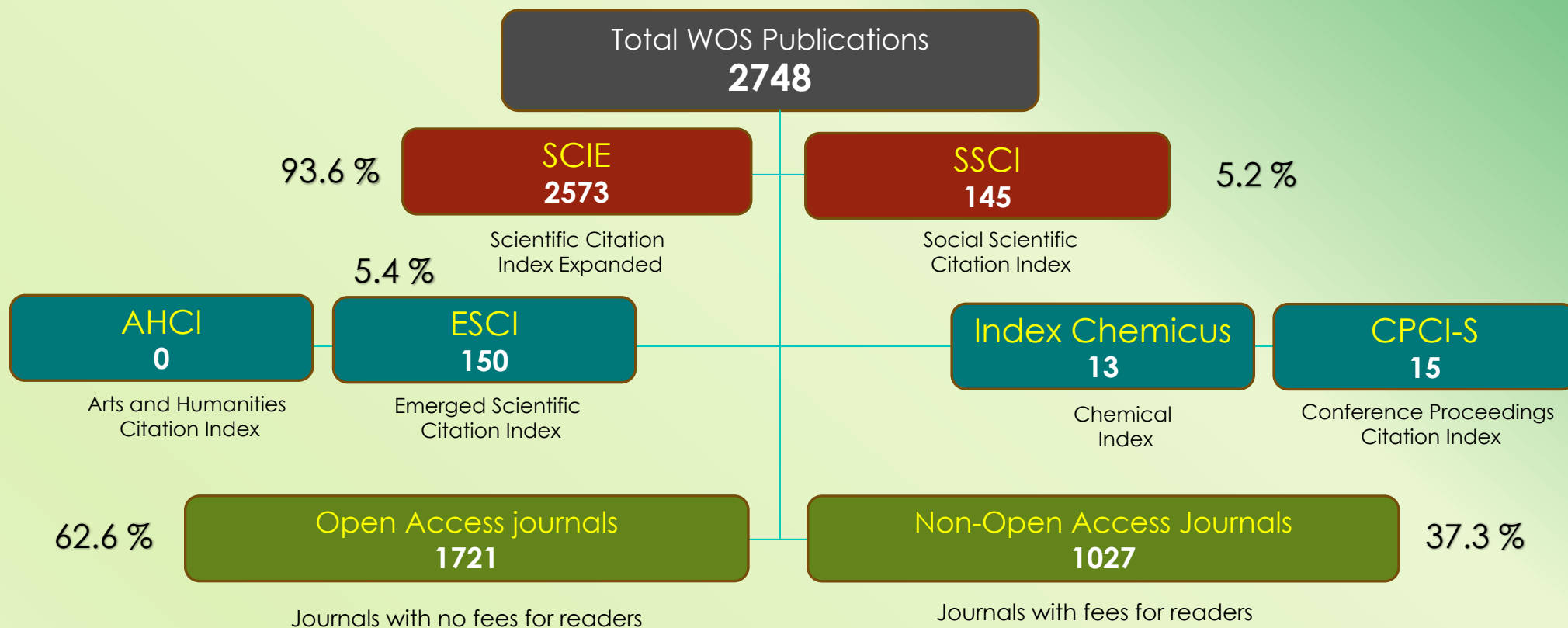
	Staff	%	Authors	Authors : Staff	Authors Contribution	Publications	Citations	Citations : Publications
Professor	162	6.2 %	71	43.8 %	12 %	688	340	0.49
Associate Professor	349	13.4 %	174	49.8 %	30 %	1341	575	0.42
Assistant Professor	1039	39.9 %	278	26.7 %	48 %	1136	532	0.46
Lecturer	484	18.5 %	38	7.8%	6 %	58	38	0.65
Teaching Assistant	570	21.8 %	21	3.9 %	4 %	26	23	0.88
Other	-	-	28	-		35	100.28	
Total	2604		610	22.3 %		3284	1508	0.15



Data based on WOS & TOP Academia

OCT-15-2021

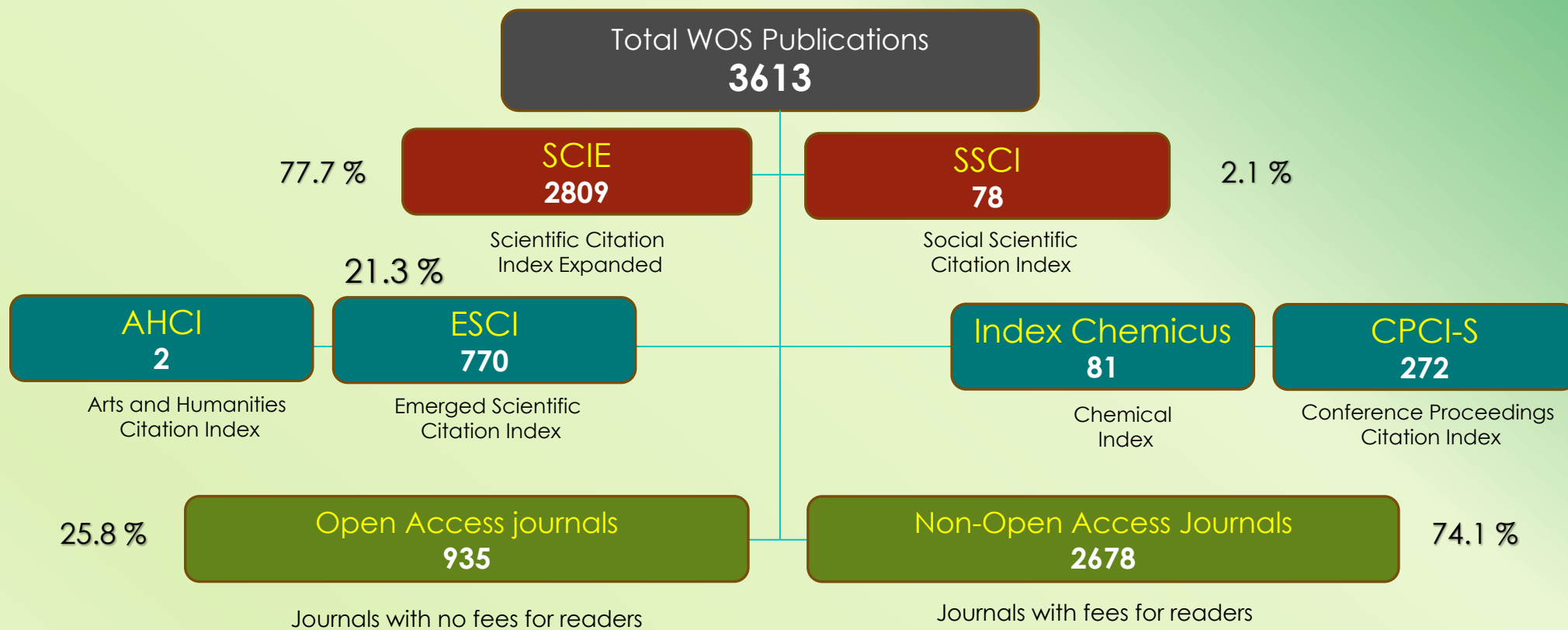
2021
Categories



Data based on WOS & TOP Academia

OCT-15-2021

2011 - 2020
Categories

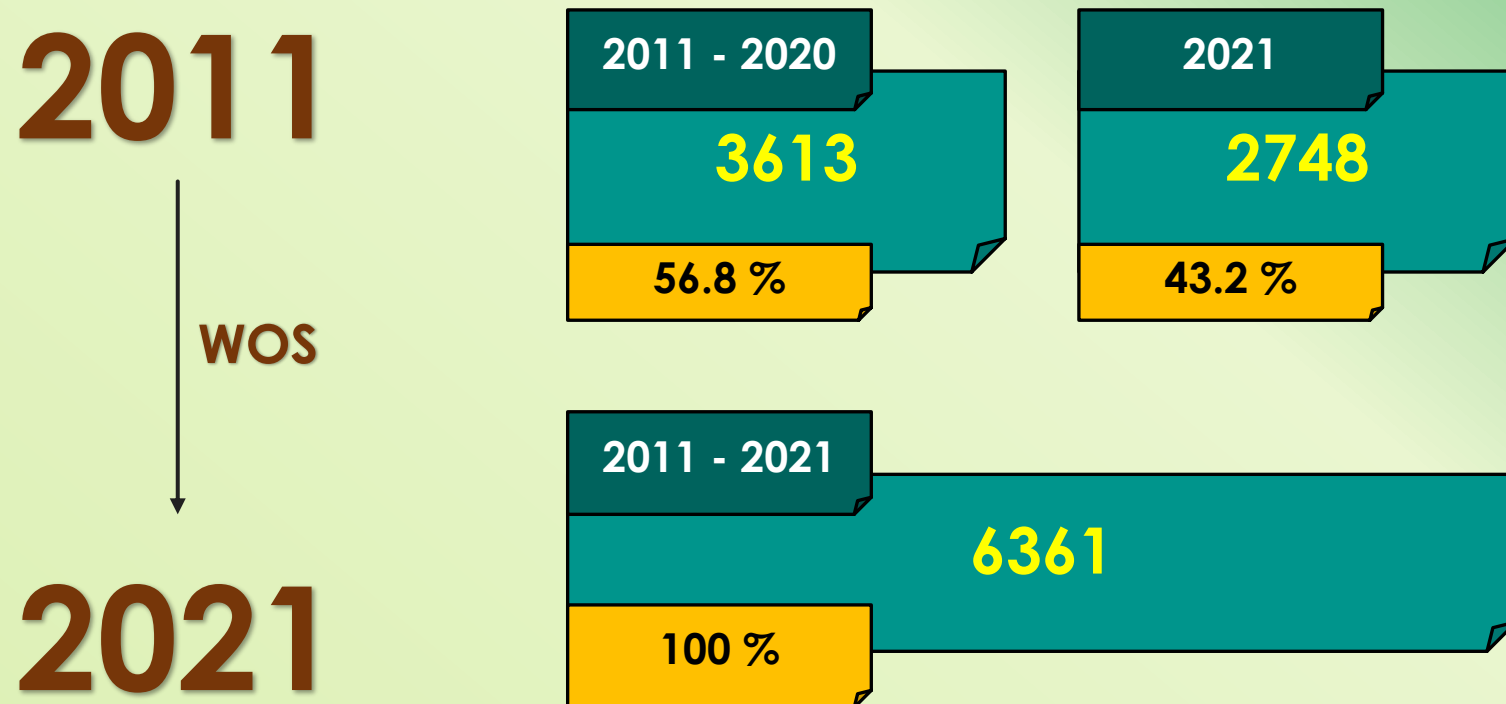


2011-2020 Publications quality as compared to 2021 indicators

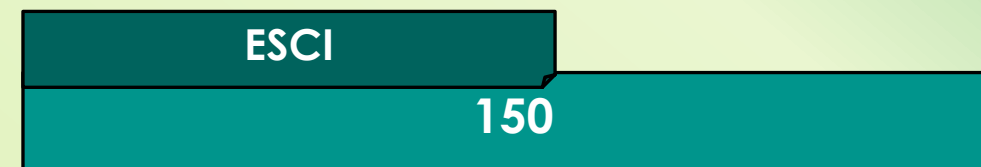
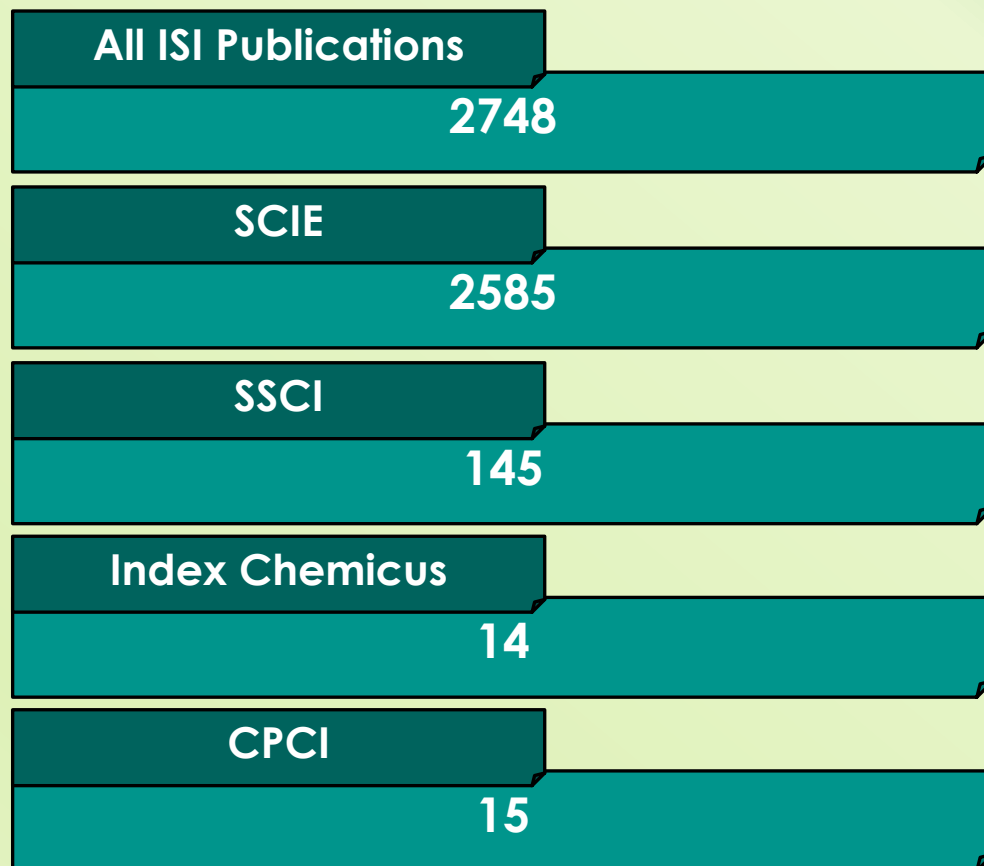
مقارنه بين مؤشرات الجامعة في آخر عشر سنوات بالعام الحالي

	Item	2011-2020	%	2021	%	Total
1	Total WOS	3613	56.8 %	2748	43.2 %	6361
2	SCIE	2809	77.7 %	2573	93.7 %	5382
3	SSCI	78	2.1 %	145	5.3 %	223
4	ESCI	770	21.3 %	150	5.4 %	920
5	Open Access	935	25.8 %	1721	62.6 %	2656
6	Non-Open Access	2678	74.1 %	1027	37.4 %	3705

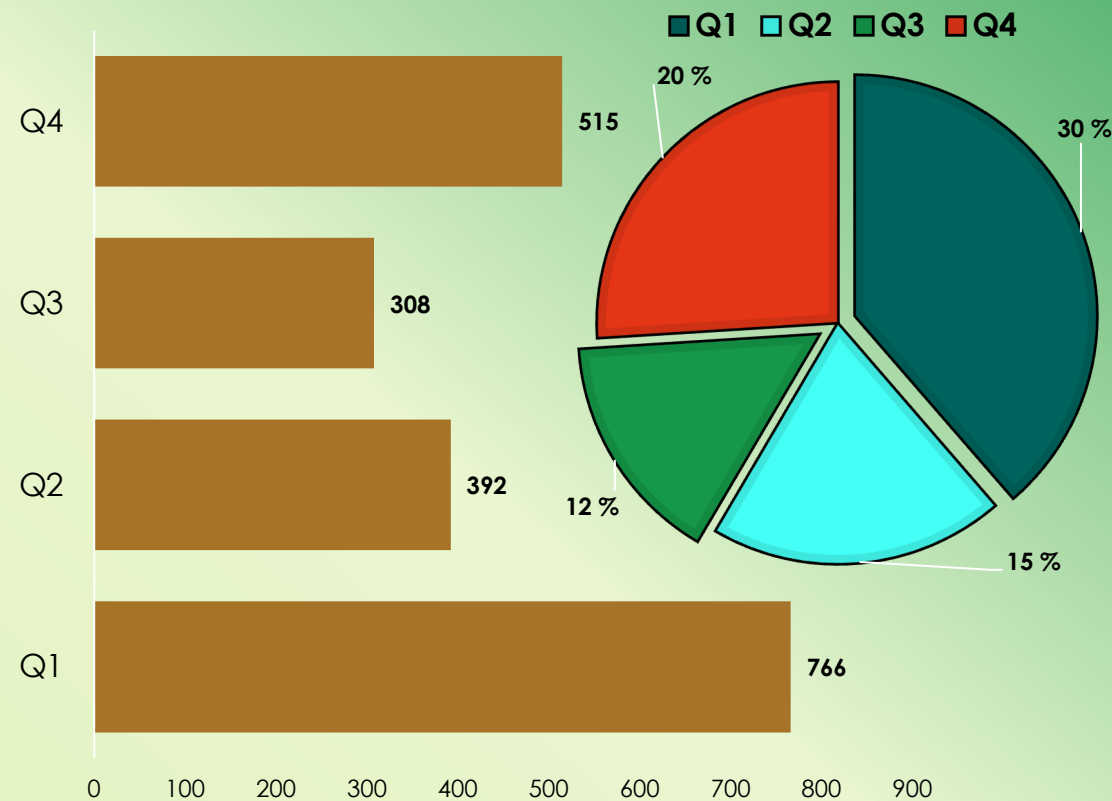
2011-2020 Publications quality as compared
to **2021** indicators



2021 Publications Quality



2021 Publications Quality

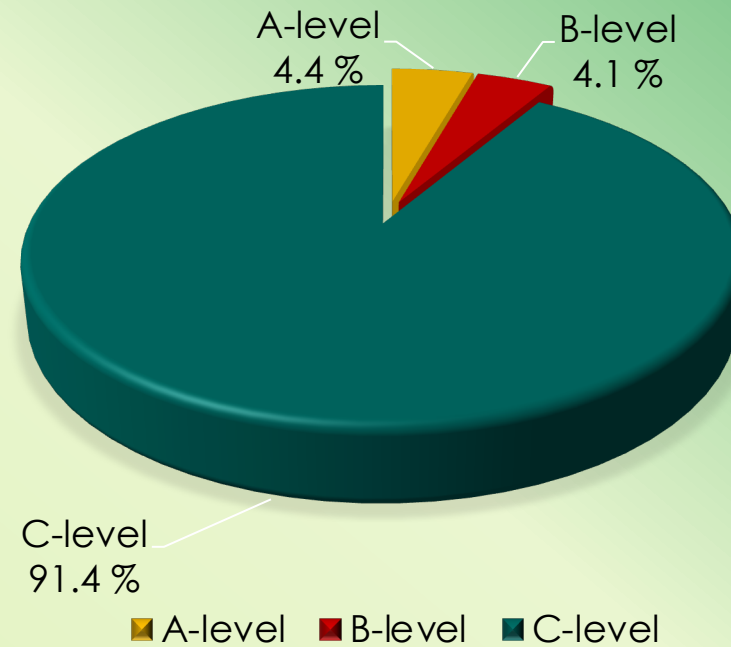
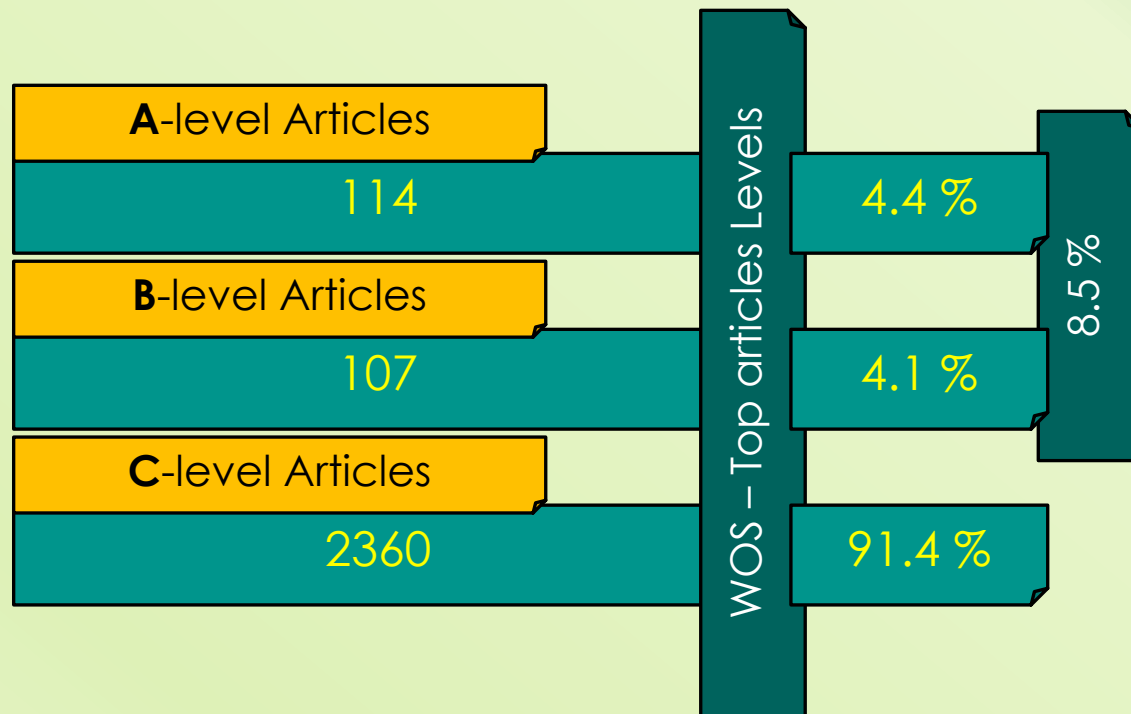


2021 Publications Quality

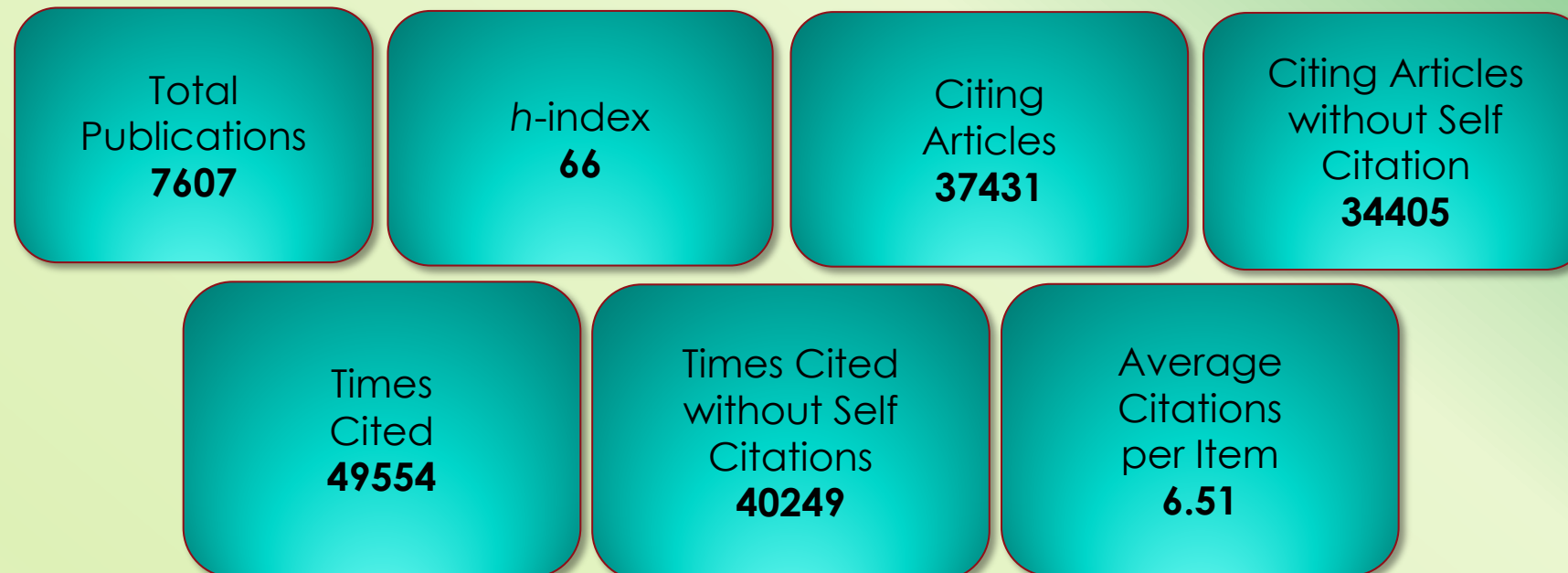
Q	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Q1	0	0	8	31	43	39	43	70	80	81	86	95	100	217	766
Q2	0	0	13	24	48	45	57	66	66	67	51	79	86	131	392
Q3	0	0	14	21	50	43	63	67	94	76	74	93	83	133	308
Q4	0	21	16	15	66	80	106	116	117	103	77	109	117	224	515

Q	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Q1	0%	0%	14%	32%	19%	17%	15%	20%	17%	17%	21%	18%	18%	23%	30%
Q2	0%	0%	22%	25%	22%	20%	20%	19%	14%	14%	12%	15%	15%	14%	15%
Q3	0%	0%	24%	22%	23%	19%	22%	20%	20%	16%	18%	17%	15%	14%	12%
Q4	0%	95%	27%	15%	30%	35%	37%	34%	25%	21%	19%	20%	21%	24%	20%

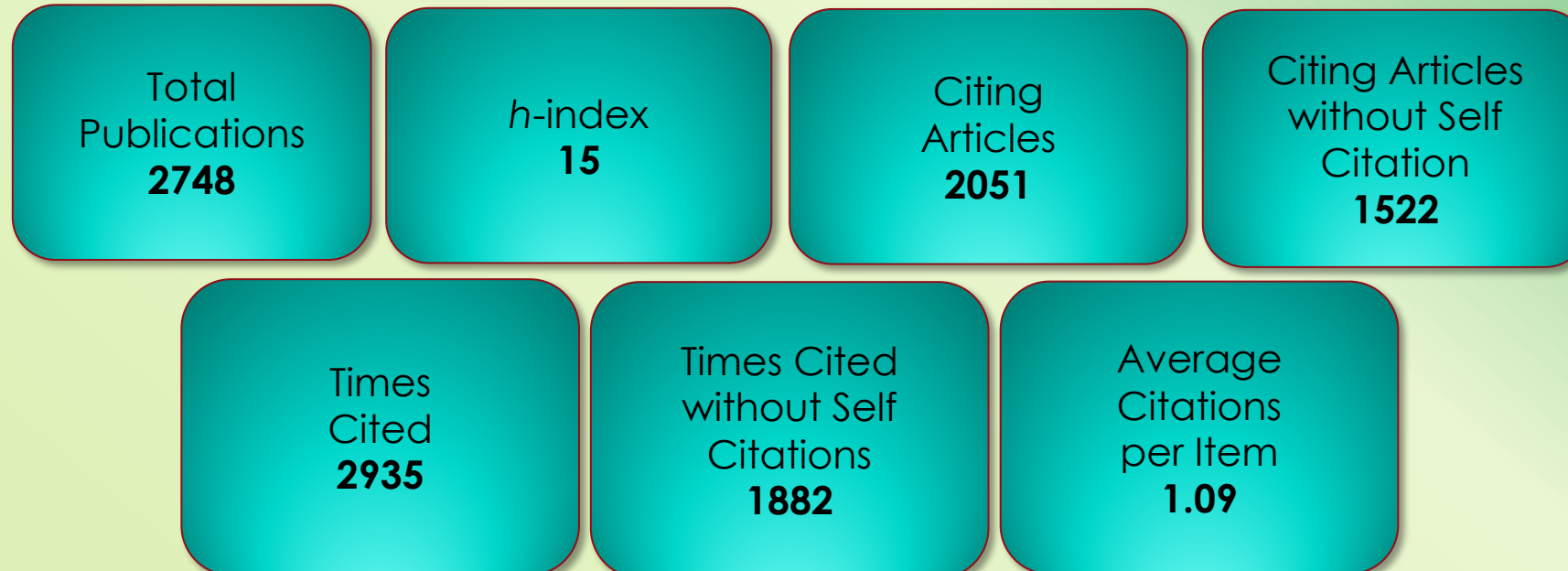
2021 Publications Quality



TU Over-all Indicators

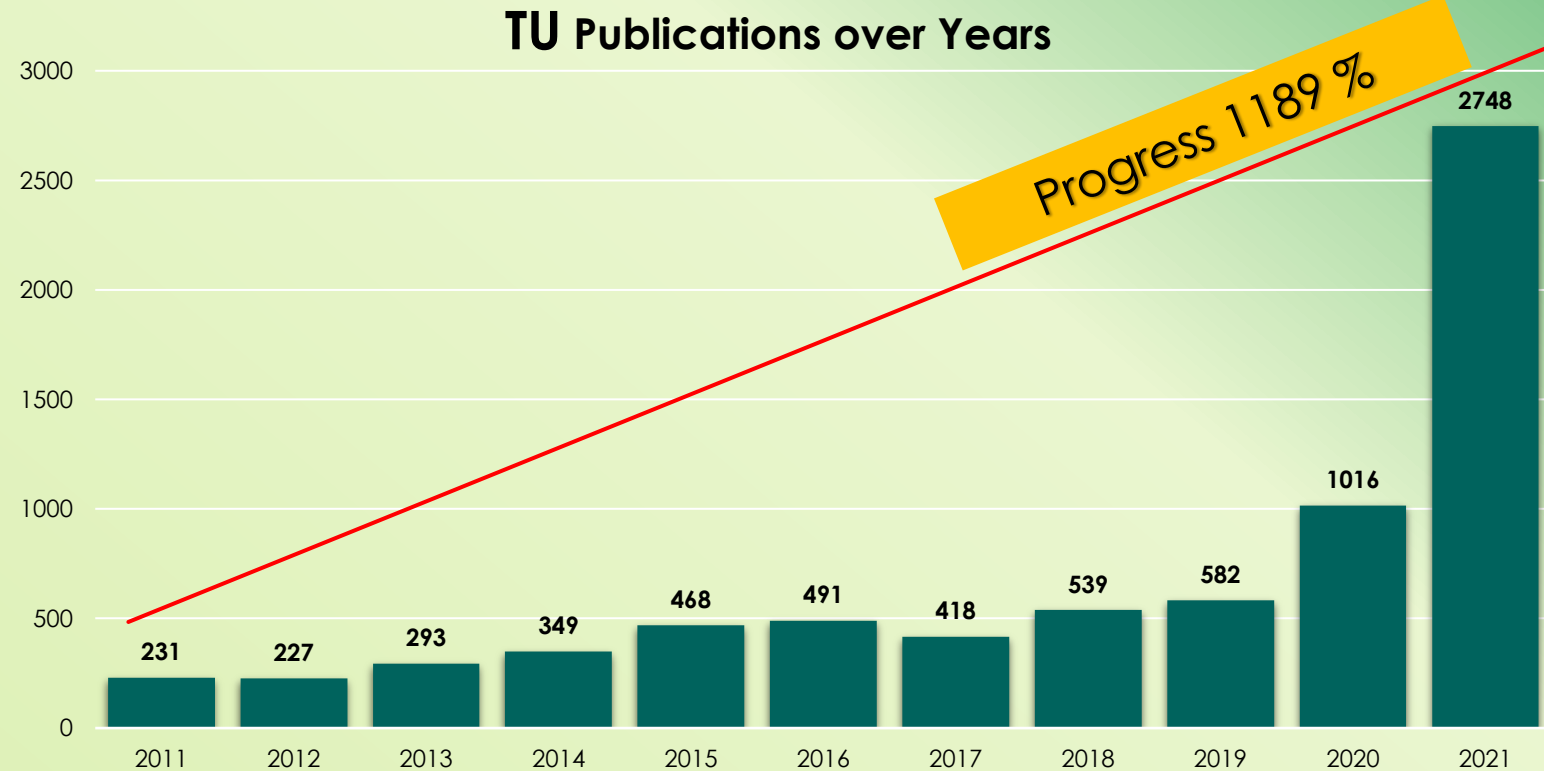


TU 2021 Indicators



Publications 2011 - 2021

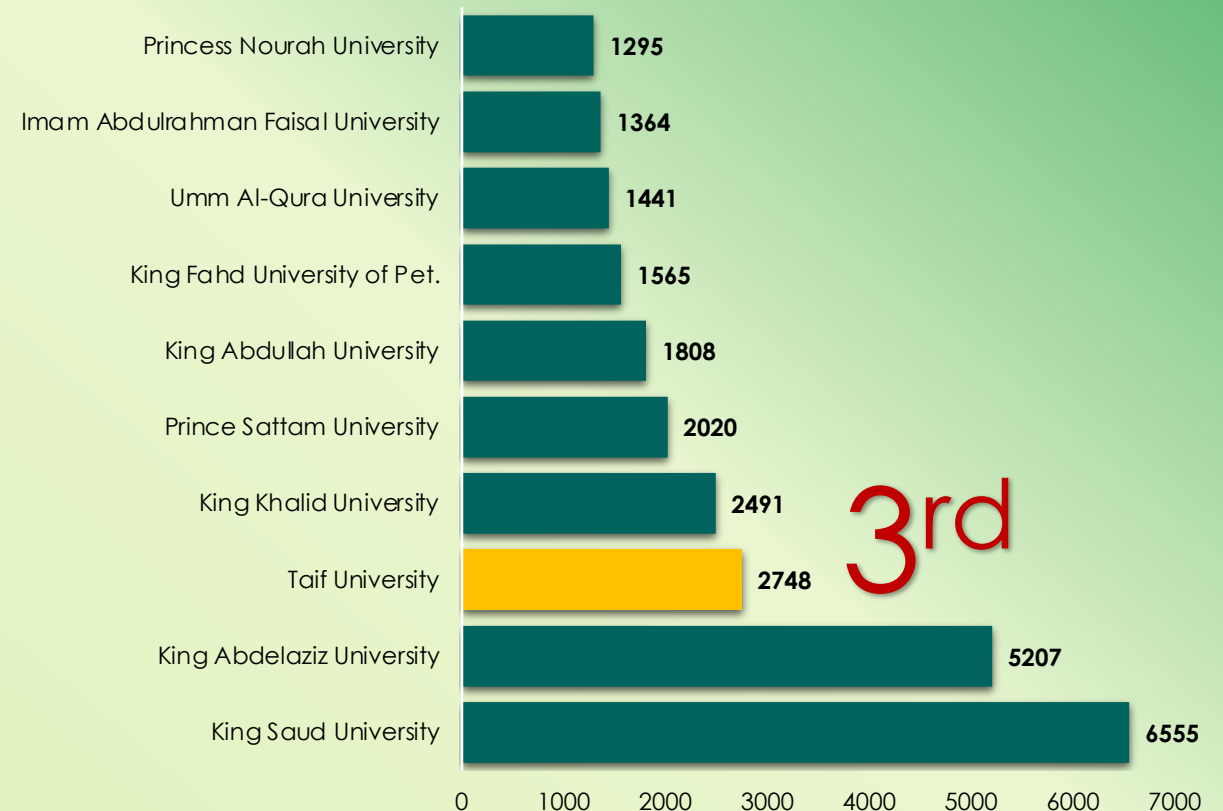
Year	No
2011	231
2012	227
2013	293
2014	349
2015	468
2016	491
2017	418
2018	539
2019	582
2020	1016
2021	2748



TOP-10

Total ISI

	University	Publications
1	King Saud University	6555
2	King Abdelaziz University	5207
3	Taif University	2748
4	King Khalid University	2491
5	Prince Sattam University	2020
6	King Abdullah University	1808
7	King Fahd University of Pet.	1565
8	Umm Al-Qura University	1441
9	Imam Abdulrahman Faisal University	1364
10	Princess Nourah University	1295



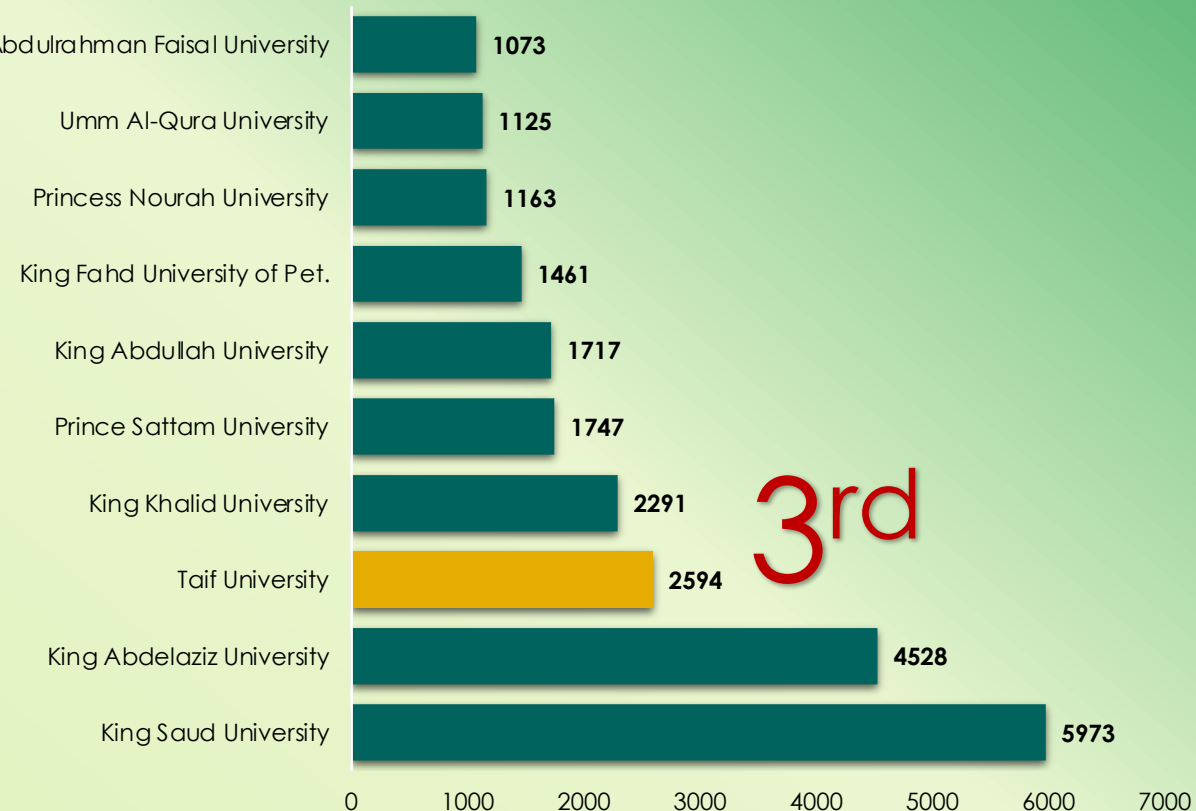
SCIE - SSCI
Saudi Arabia WOS Ranking

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TOP-10

SCIE – SSCI

	University	Publications
1	King Saud University	5973
2	King Abdelaziz University	4528
3	Taif University	2594
4	King Khalid University	2291
5	Prince Sattam University	1747
6	King Abdullah University	1717
7	King Fahd University of Pet.	1461
8	Princess Nourah University	1163
9	Umm Al-Qura University	1125
10	Imam Abdulrahman Faisal University	1073

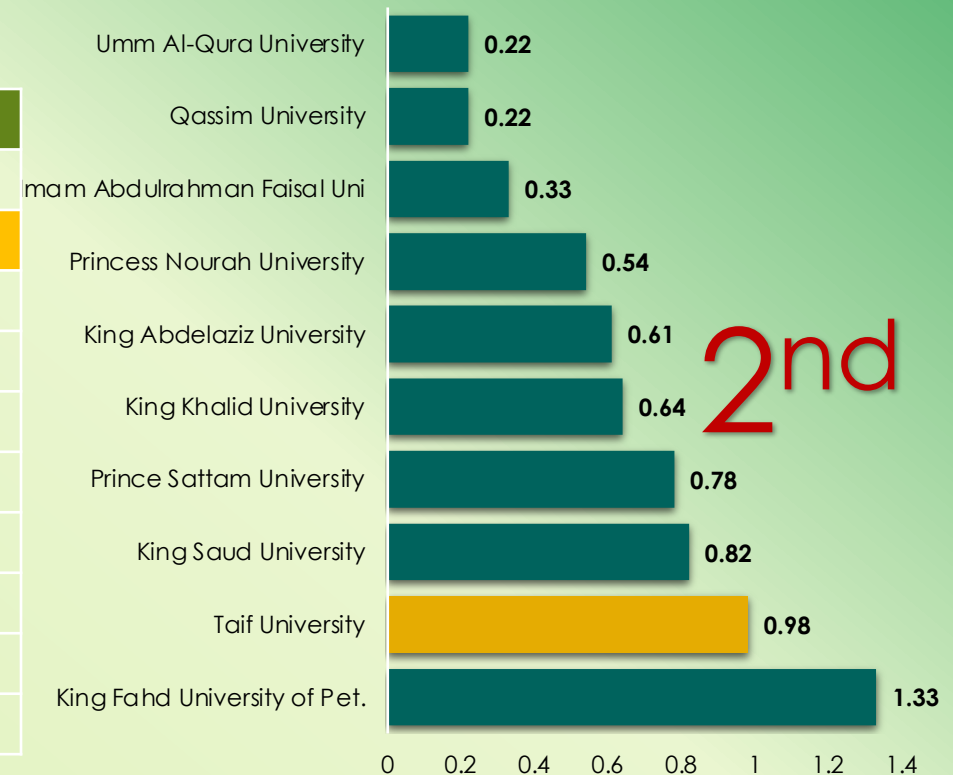


TOP-10

SCIE – SSCI

	University	Publications	Staff	Productivity Factor
1	King Fahd University of Pet.	1461	1095	1.33
2	Taif University	2594	2640	0.98
3	King Saud University	5973	7211	0.82
4	Prince Sattam University	1747	2234	0.78
5	King Khalid University	2291	3526	0.64
6	King Abdelaziz University	4528	7382	0.61
7	Princess Nourah University	1163	2149	0.54
8	Imam Abdulrahman Faisal Uni	1073	3248	0.33
9	Qassim University	949	4174	0.22
10	Umm Al-Qura University	1125	5008	0.22

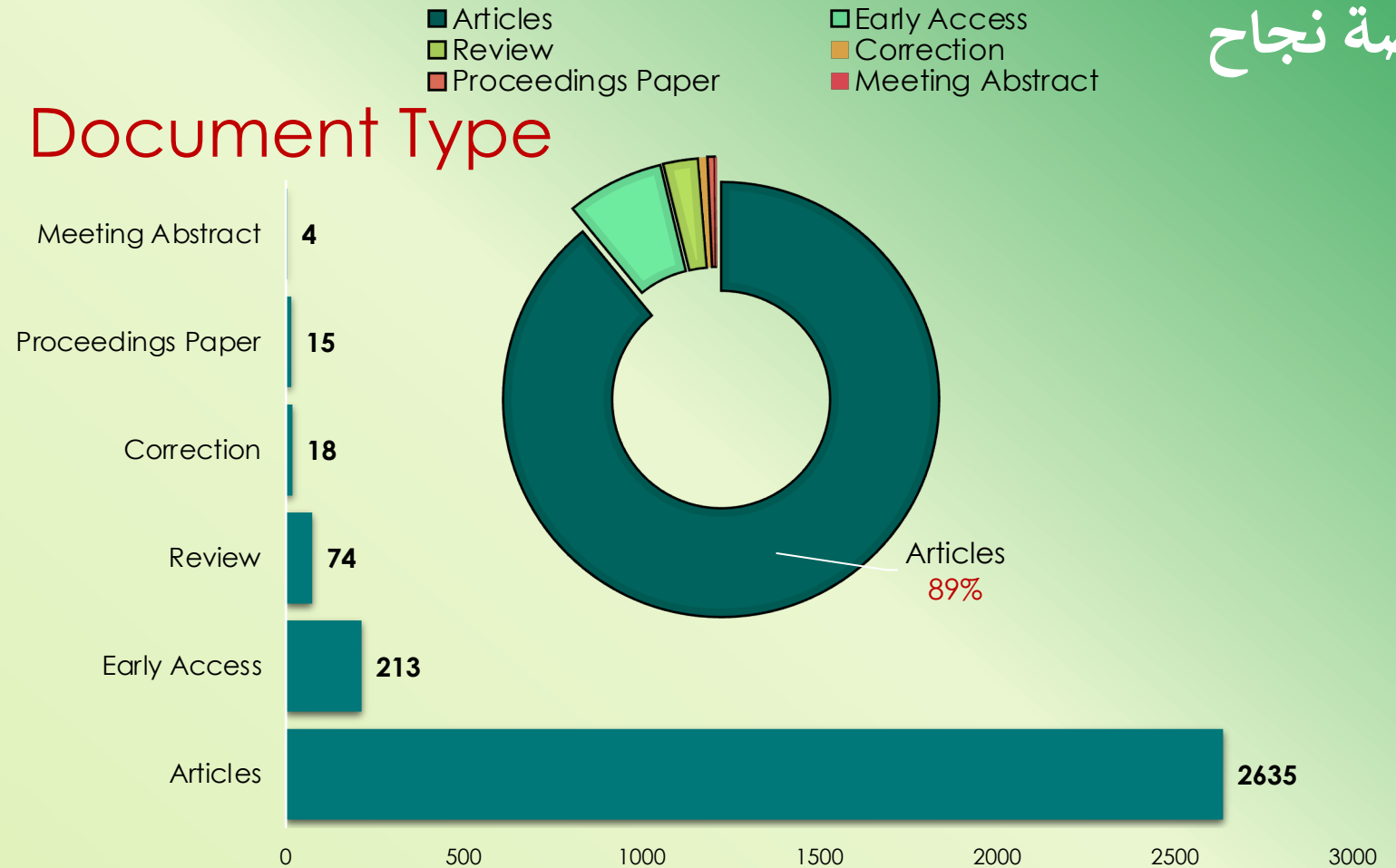
Productivity Factor



2nd

Item	Pub
Articles	2635
Early Access	213
Review	74
Correction	18
Proceedings Paper	15
Meeting Abstract	4

Document Type





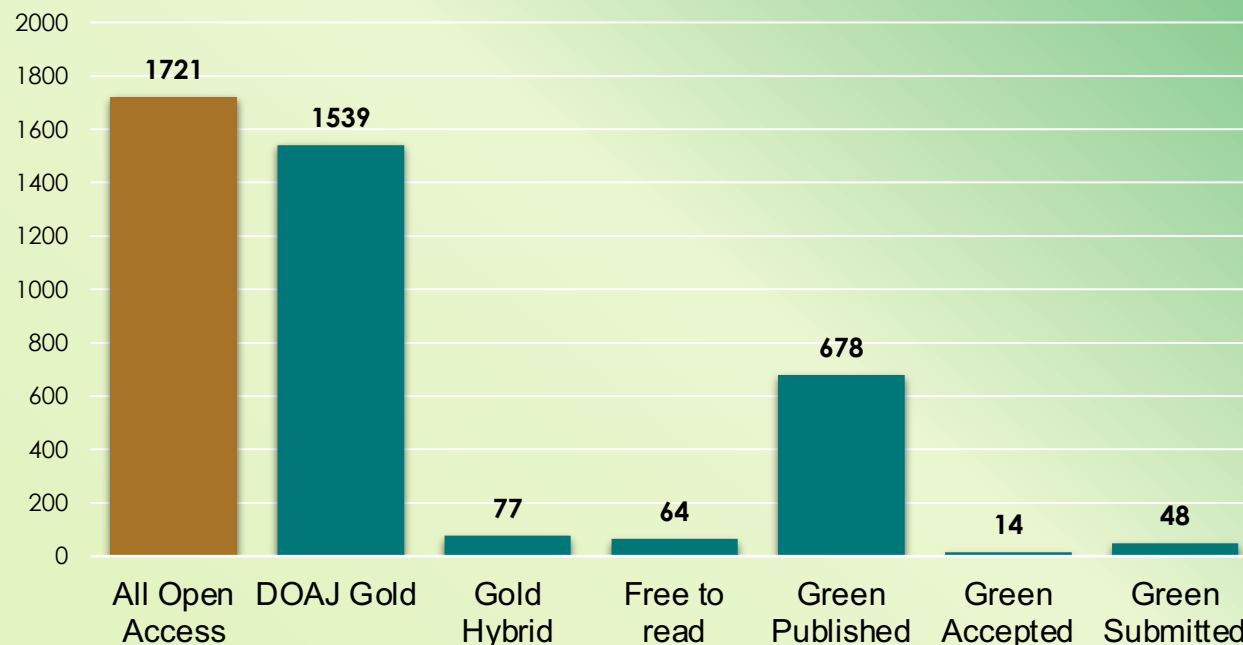
Web of Science™

Open Access Categories

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Total ISI	Open Access	%	Non-Open Access	%
2746	1721	62.6 %	1027	37.4 %

Open Access Categories	Publication
All Open Access	1721
DOAJ Gold <small>Articles free immediately on the internet</small>	1539
Gold Hybrid <small>Some articles are free and others are subscribed</small>	77
Free to read	64
Green Published <small>Self-archiving of an article in a publicly-accessible institutional or subject repository</small>	678
Green Accepted	14
Green Submitted	48





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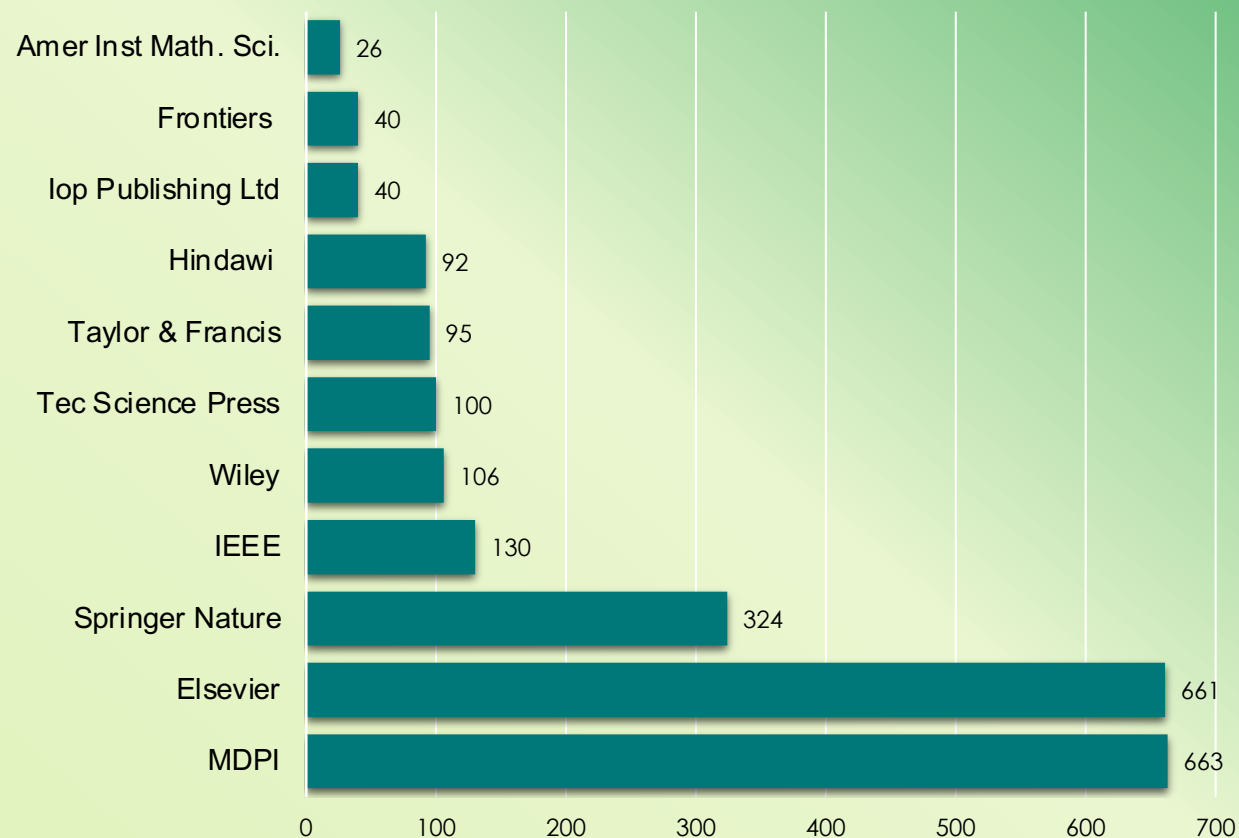
Research Area

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	Research Area	Pub	%		Research Area	Pub	%		Research Area	Pub	%
1	Engineering	483	17.5	6	Science Technology	276	10.0	11	Agriculture	132	4.8
2	Physics	423	15.4	7	Environmental Science	209	7.6	12	Pharmacology	131	4.7
3	Material Science	404	14.7	8	Mathematics	177	6.4	13	Plant Science	120	4.3
4	Chemistry	392	14.2	9	Telecommunication	163	5.9	14	Life Science	95	3.4
5	Computer Science	376	13.6	10	Biochemistry	141	5.1	15	Energy	69	2.5

Clarivate
Web of Science™ Publishers Contribution

Publisher	Publication
MDPI	663
Elsevier	661
Springer Nature	324
IEEE	130
Wiley	106
Tec Science Press	100
Taylor & Francis	95
Hindawi	92
Iop Publishing Ltd	40
Frontiers	40
Amer Inst Math. Sci.	26





Web of Science™

TOP Collaborating Countries

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Country	Pub	Country	Pub	Country	Pub
Egypt	1359	Taiwan	78	Germany	35
India	466	Canada	75	Czech Rep.	34
Pakistan	364	South Korea	72	Spain	27
China	295	Thailand	64	Sudan	25
Tunisia	135	England	56	Slovakia	24
USA	130	Russia	56	Plaestine	23
Malaysia	113	South Africa	47	Algeria	22
Bangladesh	102	Jordan	46	Japan	22
Turkey	99	Nigeria	45	Portugal	22
Australia	81	Yemen	44	Scotland	20
UAE	81	Iraq	43	Sweden	20
Italy	79	France	40	Romania	18

TOP Used Journals

Journal	Pub	Journal	Pub
IEEE ACCESS	109	J OF MAT SCI MATERIALS IN ELECTRONICS	31
SUSTAINABILITY	76	PLANTS BASEL	31
SAUDI JOURNAL OF BIOLOGICAL SCIENCES	66	SCIENTIFIC REPORTS	31
RESULTS IN PHYSICS	62	ELECTRONICS	29
CMC COMPUTERS MATERIALS CONTINUA	47	JOURNAL OF MOLECULAR STRUCT	28
AGRONOMY BASEL	45	PHYSICA SCRIPTA	28
ANIMALS	44	EXANDRIA ENGINEERING JOURNAL	25
MOLECULES	43	ENERGIES	24
INTELLIGENT AUTOMATION AND SOFT COMPUTING	36	MATHEMATICAL PROBLEMS IN ENGINEERING	24
SYMMETRY BASEL	34	AIMS MATHEMATICS	22
APPLIED SCIENCES BASEL	33	CERAMICS INTERNATIONAL	22
JOURNAL OF MOLECULAR LIQUIDS	32	COMPLEXITY	22

Data based on WOS & TOP Academia

OCT-15-2021

TU

جامعة الطائف
TAIF UNIVERSITY

New Era of Scientific Publication

Taif University

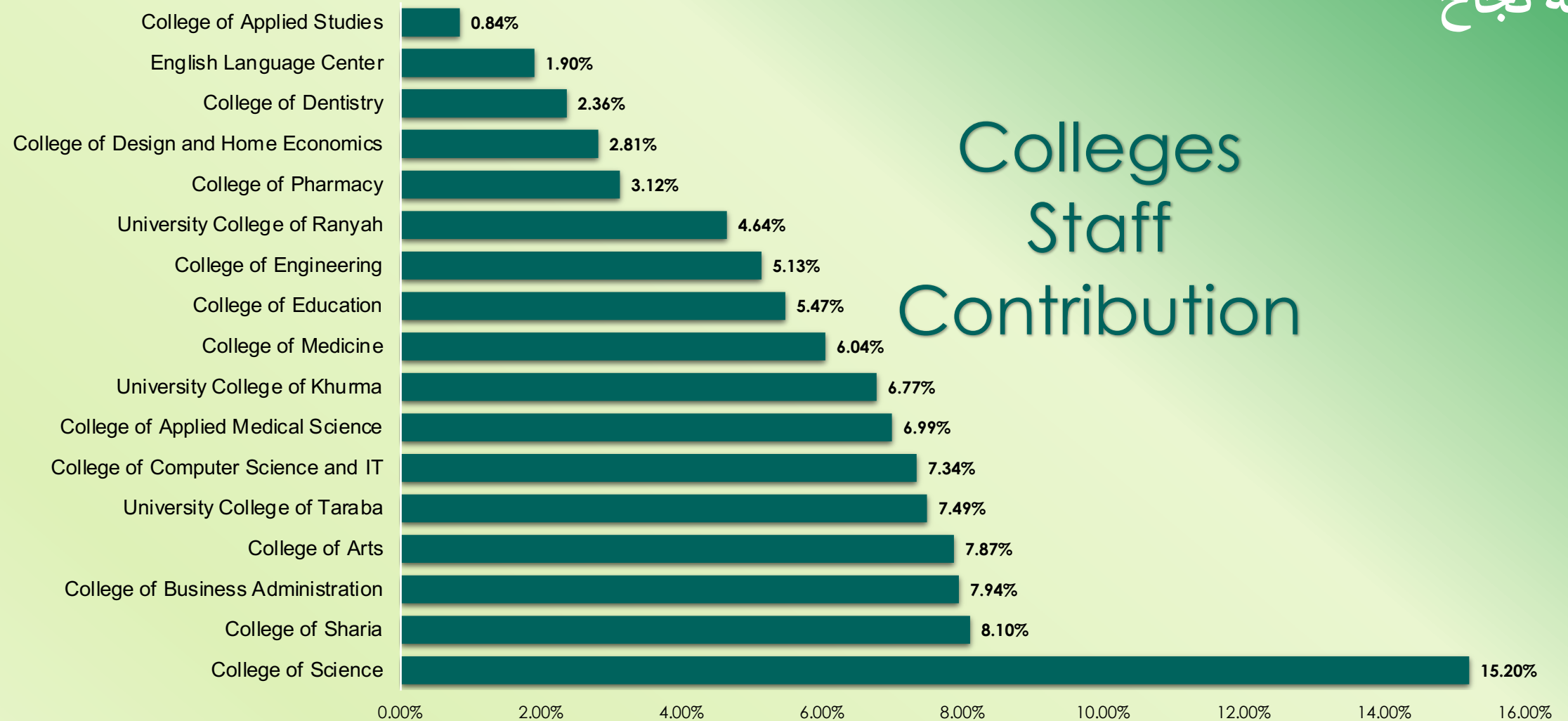
Internal Analysis

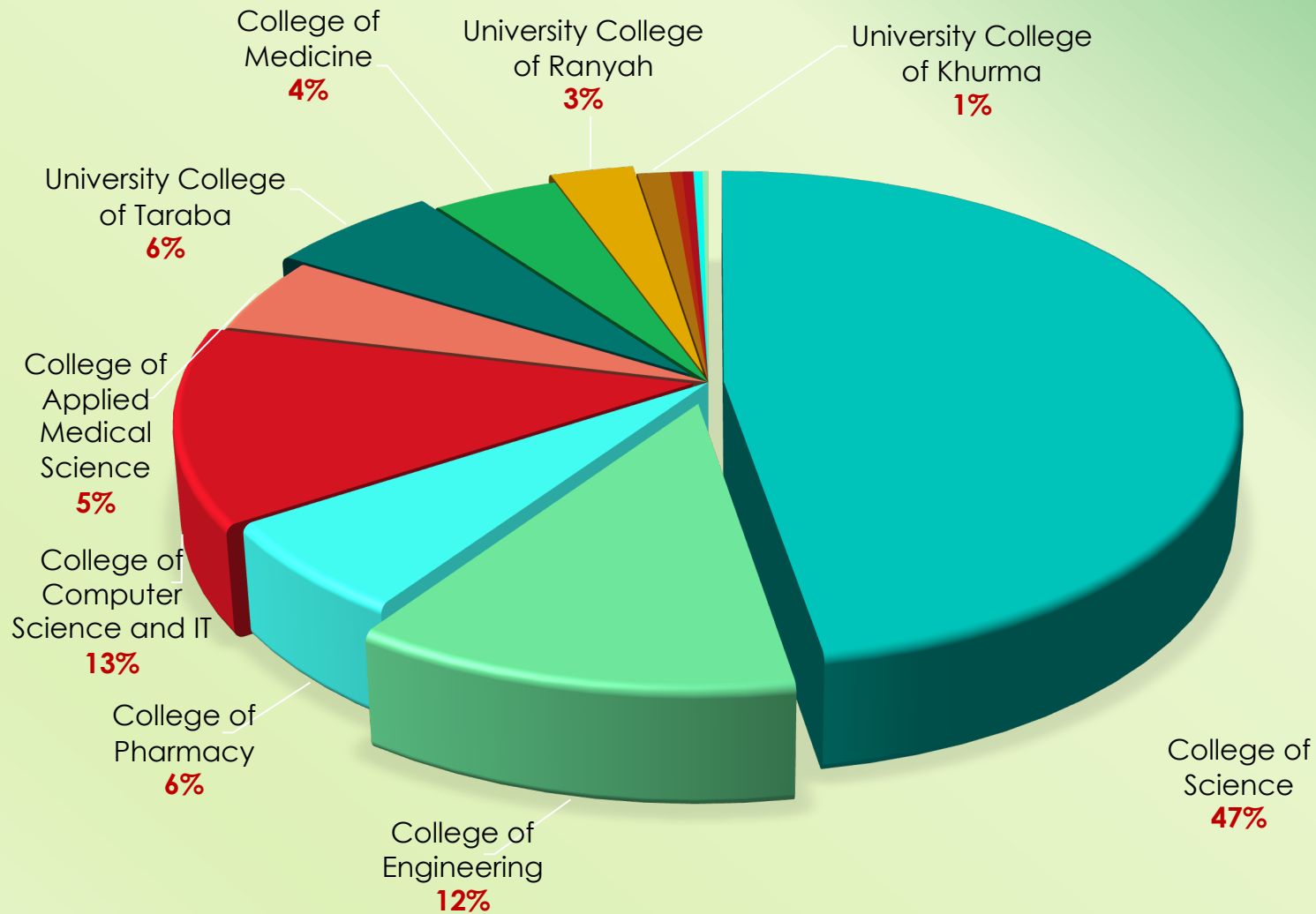
Colleges Staff Analysis

	College	Prof.	Asc. Prof.	Ass. Prof.	Lect	Teach Ass	Total
1	College of Science	48	70	171	84	68	400
2	College of Sharia	21	49	85	27	30	213
3	College of Business Administration	4	16	79	55	56	207
4	College of Arts	15	34	83	49	28	209
5	University College of Taraba	2	24	93	33	36	193
6	College of Computer Science and IT	5	18	60	57	48	184
7	College of Applied Medical Science	4	22	63	47	36	197
8	University College of Khurma	5	13	72	26	53	178
9	College of Medicine	31	26	58	20	31	159
10	College of Education	8	30	52	29	34	144
11	College of Engineering	9	17	69	16	27	135
12	University College of Ranyah	2	6	52	10	40	122
13	College of Pharmacy	6	6	28	15	30	82
14	College of Design and Home Economics	1	5	24	12	33	74
15	College of Dentistry	1	9	33	3	18	62
16	English Language Center	1	4	7	18	20	50
17	Applied College	0	2	8	0	3	22

Colleges Staff Contribution

	College	Total Academic Staff	Contribution
1	College of Science	400	15.20 %
2	College of Sharia	213	8.10 %
3	College of Business Administration	207	7.94 %
4	College of Arts	209	7.87 %
5	University College of Taraba	193	7.49 %
6	College of Computer Science and IT	184	7.34 %
7	College of Applied Medical Science	197	6.99 %
8	University College of Khurma	178	6.77 %
9	College of Medicine	159	6.04 %
10	College of Education	144	5.47 %
11	College of Engineering	135	5.13 %
12	University College of Ranyah	122	4.64 %
13	College of Pharmacy	82	3.12 %
14	College of Design and Home Economics	74	2.81 %
15	College of Dentistry	62	2.36 %
16	English Language Center	50	1.90 %
17	Applied College	22	0.84 %





Colleges' Publication Contribution

Colleges Staff Productivity

College	Total Academic Staff	Staff Contribution	2021 Publications	Pub. Contribution	Productivity
1 College of Science	400	15.20%	1300	47.27%	3.25
2 College of Engineering	135	5.10%	336	12.21%	2.49
3 College of Pharmacy	82	3.11%	171	6.21%	2.09
4 College of Computer Science and IT	184	6.99%	357	12.98%	1.94
5 College of Applied Medical Science	197	7.49%	190	5.00%	0.96
6 University College of Taraba	193	7.34%	170	6.18%	0.88
7 College of Medicine	159	6.99%	123	4.47%	0.77
8 University College of Ranyah	122	6.77%	82	2.98%	0.67
9 College of Dentistry	62	2.35%	12	0.43%	0.19
10 University College of Khurma	178	6.04%	32	1.16%	0.18
11 College of Education	144	5.47%	9	0.32%	0.06
12 College of Business Administration	207	7.86%	11	0.40%	0.05
13 College of Arts	209	7.94%	5	0.18%	0.02
14 College of Sharia	213	8.10%	1	0.03%	0.00
15 College of Design and Home Economics	74	2.81%	0	0.00%	0.00
16 English Language Center	50	1.90%	0	0.00%	0.00
17 Applied Studies	22	0.84%	0	0.00%	0.00

Data based on WOS & TOP Academia

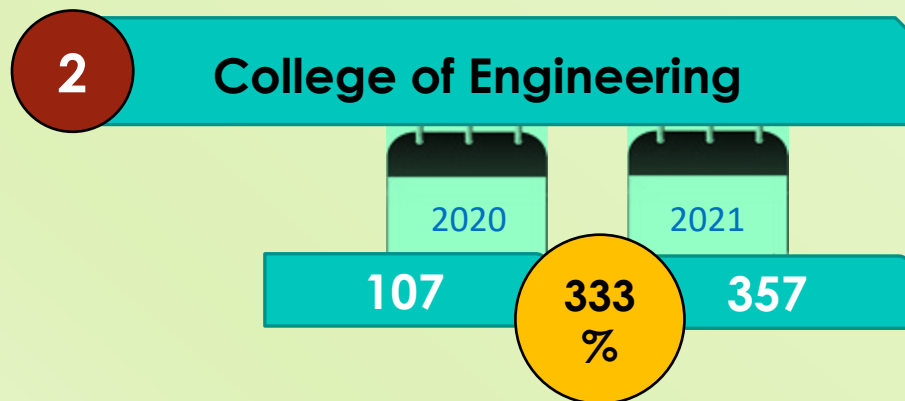
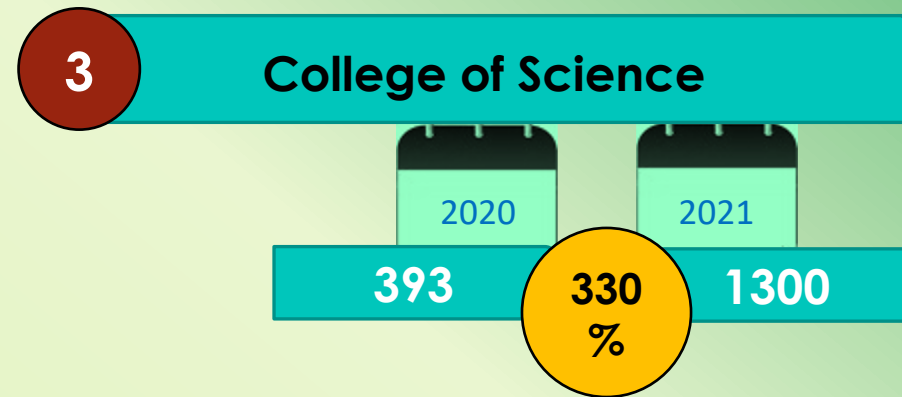
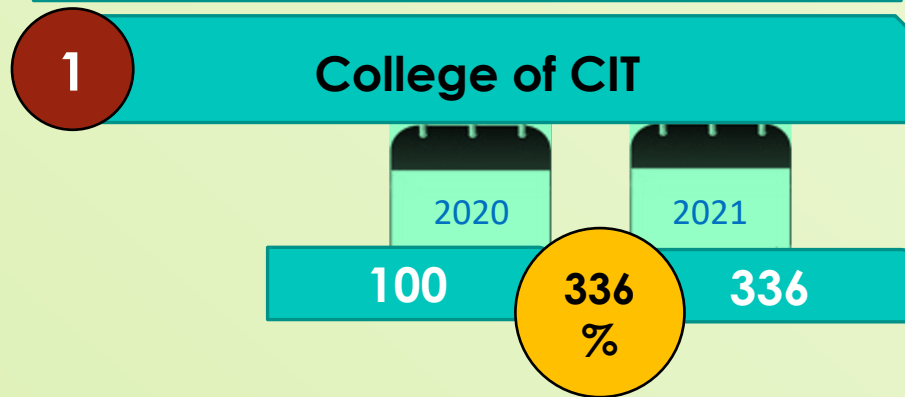
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2020 : 2021

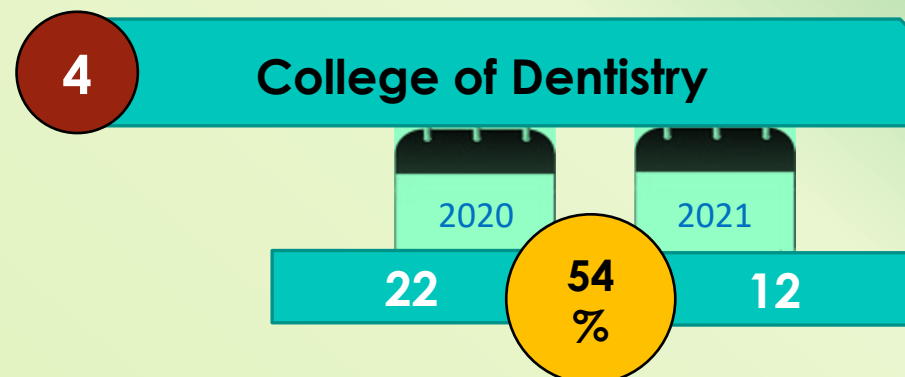
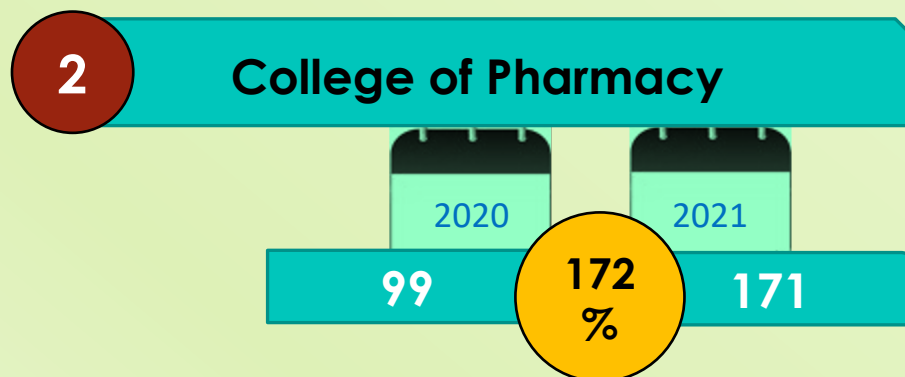
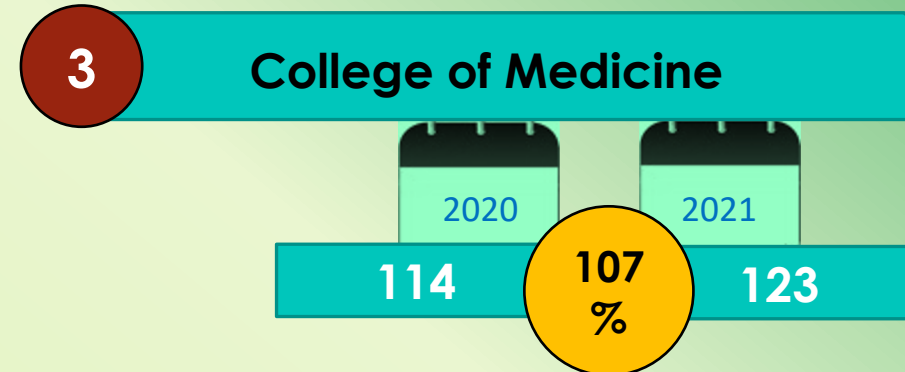
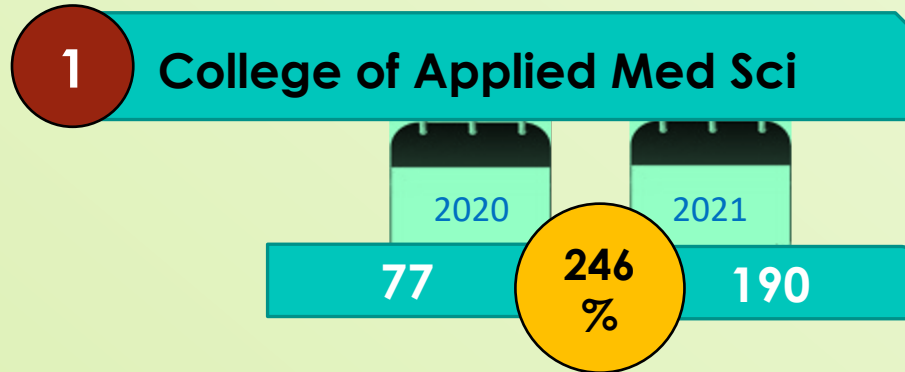
Improvement Rate

Colleges - Sectors

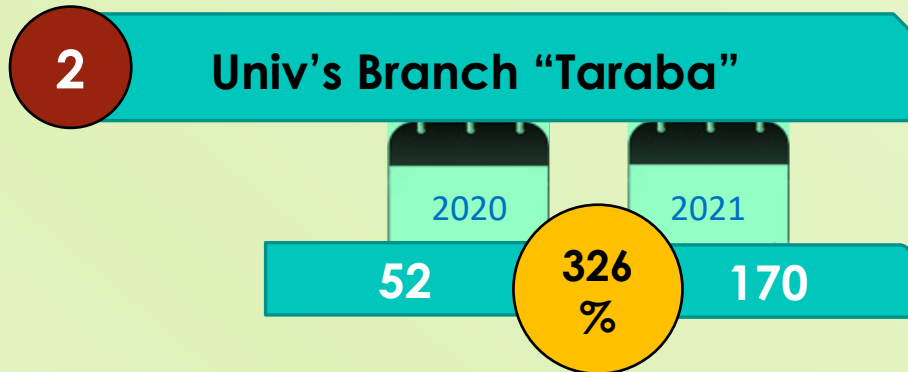
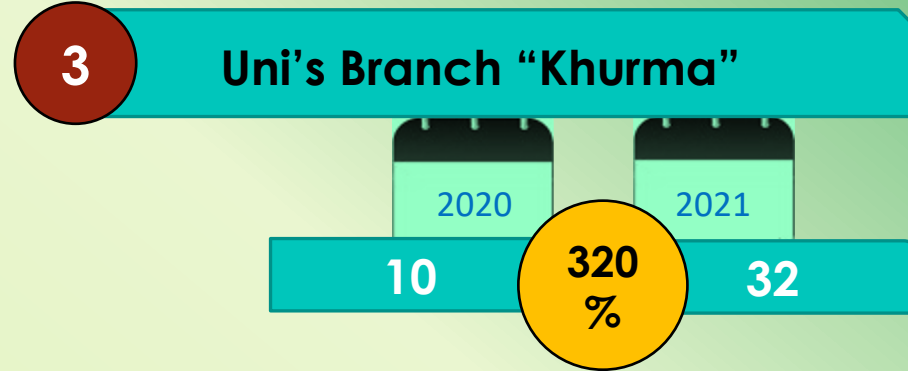
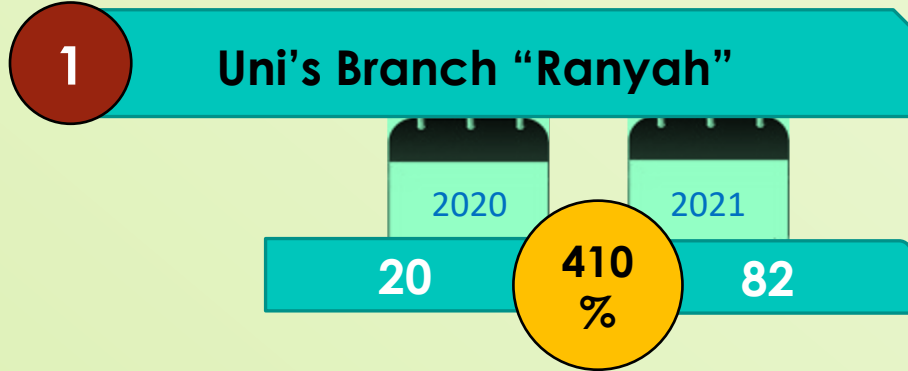
Scientific Sector



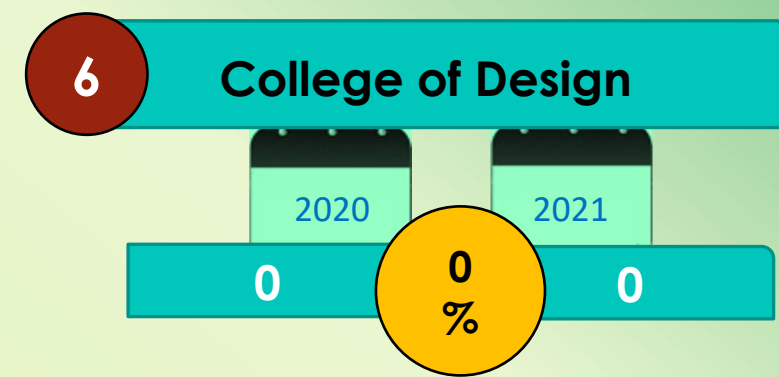
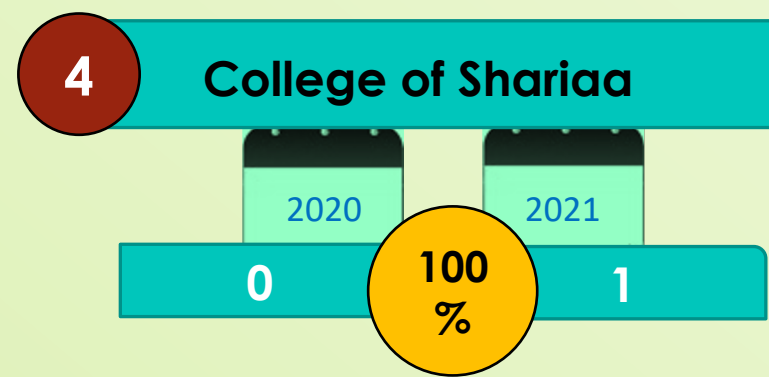
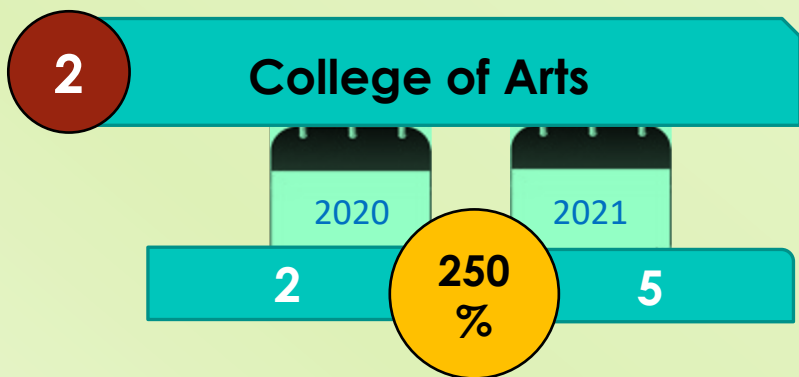
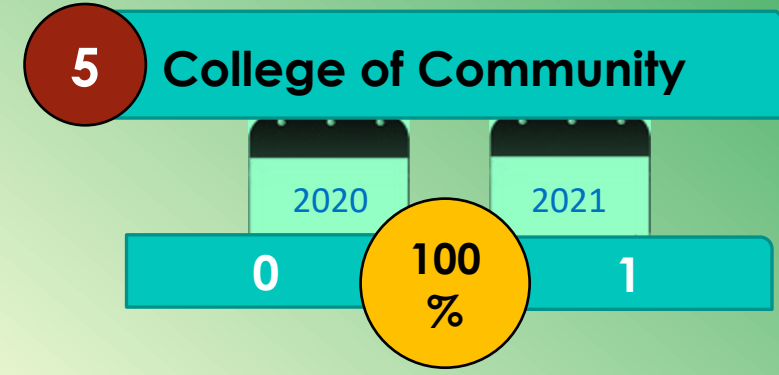
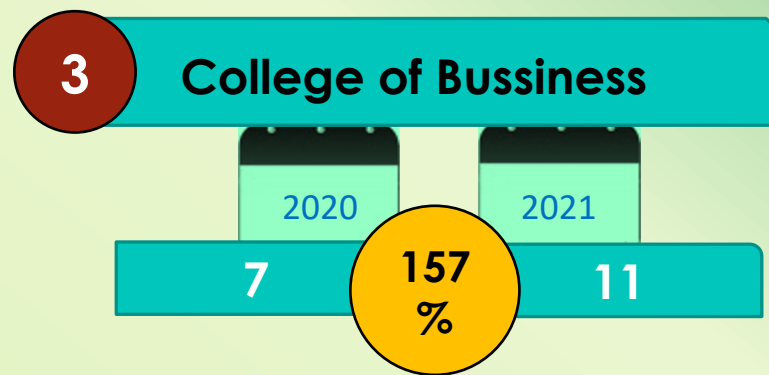
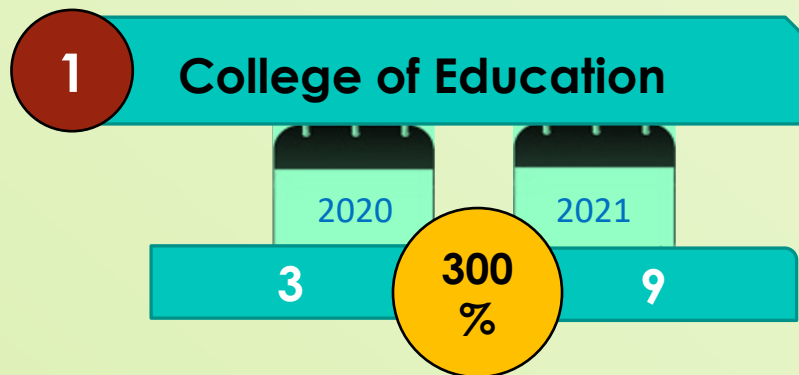
MEDICAL Sector



Branches



Social Sector



Data based on WOS & TOP Academia

OCT-15-2021

2021

Department Productivity

Productivity = Publications : Staff No.

Departments Order $\approx 50\%$

	Department	College	Sector	Staff	Pub	Productivity
1	Pharmaceutical Chemistry	Pharmacy	Medical	11	57	5.18
2	Mechanical Engineering	Engineering	Scientific	31	128	4.13
3	Chemistry	Science	Scientific	90	358	3.98
4	Mathematics	Science	Scientific	97	367	3.78
5	Electrical Engineering	Engineering	Scientific	49	177	3.61
6	Physics	Taraba	Branches	10	32	3.20
7	Biotechnology	Science	Scientific	57	175	3.07
8	Clinical Lab sci	Taraba	Branches	23	70	3.04
9	Information Technology	CIT	Scientific	56	166	2.96
10	Anatomy	Medicine	Medical	7	19	2.71
11	Pharmacognosy	Pharmacy	Medical	5	13	2.60
12	Biology	Science	Scientific	118	305	2.58
13	Scientific programs	DSS	DSS	4	9	2.25
14	Physics	Science	Scientific	62	130	2.10
15	Clinical Lab. Sciences	Appl Med Sci	Medical	66	136	2.06
16	Computer Engineering	CIT	Scientific	40	72	1.80
17	Clinical Pharmacy	Pharmacy	Medical	13	23	1.77
18	Pharmacology	Pharmacy	Medical	20	34	1.70
19	Food Sci & Nutrition	Science	Scientific	30	50	1.67
20	Pharmaceutical Chemistry	Pharmacy	Medical	11	57	5.18

Departments Order ≈50 %

	Department	College	Sector	Staff	Pub	Productivity
21	Pharmaceutics	Pharmacy	Medical	38	57	1.50
22	Physiology	Medicine	Medical	4	6	1.50
23	Science and Technology	Ranyah	Branches	53	77	1.45
24	Computer Science	CIT	Scientific	116	165	1.42
25	Industrial Engineering Program	Engineering	Scientific	12	17	1.42
26	Chemistry	Taraba	Branches	19	24	1.26
27	Architectural Engineering Program	Engineering	Scientific	9	11	1.22
28	Microbiology	Medicine	Medical	12	13	1.08
29	Physics	Khurma	Branches	15	16	1.07
30	Computer	Community	Social	1	1	1.00
31	Civil Engineering	Engineering	Scientific	38	26	0.68
32	Radiology	Medical Applied Science	Medical	30	20	0.67
33	Basic Oral Med and Alli Dental Sci	Dentistry	Medical	6	4	0.67
34	Pathology	Medicine	Medical	17	11	0.65
35	Internal Medicine	Medicine	Medical	32	15	0.47
36	Physiotherapy	Medical Applied Science	Medical	39	18	0.46
37	Sport Science	Education	Social	16	6	0.38
38	Chemistry	Khurma	Branches	19	6	0.32
39	Restorative Dental Sci	Dentistry	Medical	16	5	0.31
40	Biology	Khurma	Branches	17	5	0.29

Departments Order $\approx 50\%$

	Department	College	Sector	Staff	Pub	Productivity
41	Early Childhood	Taraba	Branches	16	4	0.25
42	Medical Education	Medicine	Medical	4	1	0.25
43	Pharmacology	Medicine	Medical	9	2	0.22
44	Mathematics	Taraba	Branches	41	9	0.22
45	Oral & Maxillofacial Surgery	Dentistry	Medical	14	3	0.21
46	Economics and Finance	Business	Social	15	3	0.20
47	Surgery	Medicine	Medical	32	6	0.19
48	Community Med	Medicine	Medical	12	2	0.17
49	Nursing	Medical Applied Science	Medical	43	7	0.16
50	Obs-Gynecology	Medicine	Medical	7	1	0.14
51	Biochemistry	Medicine	Medical	9	1	0.11
52	Mathematics	Khurma	Branches	28	3	0.11
53	Psychology	Arts	Social	25	2	0.08
54	Management Inf Sys	Business	Social	32	2	0.06
55	Admin and Finance Sci	Ranyah	Branches	28	1	0.04
56	English Language Centre	Arts	Social	109	2	0.02
57	Marketing	Business	Social	67	1	0.01
58	Early Childhood	Taraba	Branches	16	4	0.25

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