



REPORT

Engi rank

PILOT EDITION

*European Ranking
of Engineering Programs*
engirank.eu

Perspektywy
Perspektywy Education Foundation

frse
Foundation for the Development
of the Education System



European Ranking of Engineering Programs

pilot edition

Project executed by
Perspektywy Education Foundation
(Poland)

in partnership with
**Foundation for the Development
of the Education System FRSE**
(Poland's National Agency of the Erasmus+)



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Introduction



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The world of international rankings is in the stage of rapid transformation. More and more rankings are appearing, they cover ever larger number of higher education institutions, they analyze higher education systems deeper, and they are becoming regional.

Perspektywy Education Foundation has a long tradition in academic ranking. It has been publishing ranking of Polish universities for over 20 years; Perspektywy has also been involved in the field of international academic ranking through its involvement in activities of IREG Observatory on Academic Ranking and Excellence. The knowledge and experience thus acquired made us aware that something has been missing in the so-called rankings of engineering programs or engineering disciplines. We realized that engineering rankings that rely mostly, if not solely, on publications and citations do not give a true picture of what engineering education is about.

*But of course, what sounds good in theory must be checked in practice. Seeking a better way to do the ranking of engineering, Perspektywy in cooperation with IREG Observatory organized a series of seminars (in Bremen, Moscow and Warsaw) where representatives of academia, industry and ranking experts discussed possible indicators that can make ranking of engineering reflect the nature of this field. The hosts of these seminars were: **Prof. Axel Herrmann** (Bremen University), and **Prof. Mikhail Strikhanov** (Rector of Moscow National Research Nuclear University MEPhI). I wish to thank them for their support.*

Realizing a need for practical implementation Perspektywy, with the support of Foundation for the Development of the Education System – FRSE, and in collaboration with IREG Observatory, launched a pilot project taking under the loop engineering studies in 13 countries of the so called “New Europe”.

EngiRank represents the first ranking of engineering studies that instead of being an “extract” of the overall ranking uses indicators especially important for engineering such as patents and accreditations by engineering organizations in addition to the traditional publications and citations.

*My special thanks go to **Pawel Poszytek**, Director General, Foundation for the Development of the Education System FRSE; without his engagement and support the project would not have come to fruition.*

*Let me also express my thanks for valuable advice to the members of the International Advisory Council and especially to **Dirk Bochar**, FEANI (Belgium), **Bernard Remaud**, ENAEE (France), **Lothar Kroll**, Chemnitz UT (Germany), **Gyorgy Fabri**, ELTE University (Hungary), **Radu-Mircea Damian**, Romanian Agency for Quality Assurance in Higher Education and **Rait Toompere**, Archimedes Foundation (Estonia).*

I hope the experience gathered in the EngiRank project and closer cooperation with the industry will allow us, in the future, to undertake a more ambitious project of ranking engineering studies in all countries of the European Union.

WS

European Ranking of Engineering Programs 2019

Table of Contents

1. Assumptions and Methodology

• General assumptions	5
• Entry requirements	6
• Methodology – criteria and indicators	7
• EngiRank „by subject” - methodology	9
• Methodology – method of calculation	10
• Final remarks	11

2. EngiRank 2019 – Institutional Ranking 13

3. Institutional Ranking - Sub-rankings by Criteria

• Innovation	20
• Research Effectiveness	22
• Quality of Teaching	24
• Internationalization	26

4. EngiRank 2019 – Rankings by Subject

• Chemical Engineering	30
• Civil Engineering	33
• Electrical, Electronic & Information Engineering	34
• Environmental Engineering	36
• Materials Engineering	37
• Mechanical Engineering	40
• Medical Engineering	43

Appendix 1 – EngiRank International Council	44
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Appendix 2 – Partners	45
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European Ranking of Engineering Programs

Pilot version

1. Assumption and Methodology

Engineering education plays a key role in securing sustainable development of Europe, it is vital in creating innovative technologies and educating creative engineers capable of using science to solve problems but also aware of the social consequences of their actions. To meet these challenges in the age of growing internationalization of the industry, labor market and education, we need a tool to compare the quality of engineering and technology programs offered by the European universities. Rankings of universities and programs have become such an accepted form of comparing and assessment understood by a broad range of stakeholders.

General assumptions

The mission of the European Ranking of Engineering Programs – **EngiRank** is to fill in a gap regarding a current and trustworthy information on engineering studies in Europe. EngiRank will assess and classify European universities of technology. It will also compare the main disciplines of engineering education (rankings “by subject”). This will contribute to popularization of the new teaching methods and help meet the needs of ranking’s main stakeholders.

The EngiRank has been initiated and prepared by Warsaw based “Perspektywy” Education Foundation. The main partner of the project is the Foundation for the Development of the Education System – FRSE (Poland’s national agency of the Erasmus +), its supporting partner is IREG Observatory on Academic Ranking and Excellence – an international organization of rankers and analysts academic rankings.

The EngiRank is primarily addressed to the following groups:

- **Prospective students and their parents** – it will help in choosing a field of study and institution in Europe that, after graduation, will give best chances of finding a satisfactory job. It will also be helpful in study abroad and finding internship under the Erasmus + program,
- **Employers, including European Hi Tech industry** – it will help in looking for talented graduates of technology institutions,
- **University management** – ranking will help to monitor reforms and improve the quality of teaching.

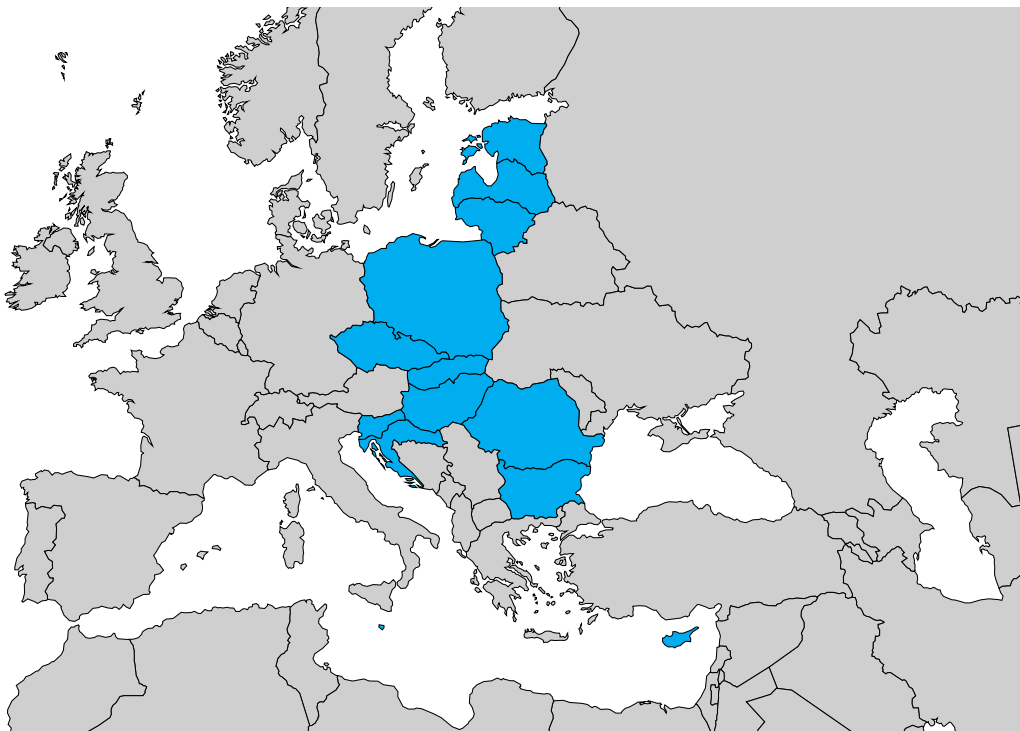
European Ranking of Engineering Studies (EngiRank) uses the results of the earlier research and reports prepared by the project's partner, and in particular:

- *"IREG Report: Engineering & Technology Rankings"* – a report prepared in 2017 and 2018 by "Perspektywy" Education Foundation with the support of IREG Observatory on Academic Ranking and Excellence,
- *"Index of Higher Education – Business Engagement (HEBE Index) - New indicators measuring the scope and quality of university-business cooperation in technical universities"* – a report on research carried by the Foundation for the Development of the Education System (FRSE) in 2018.

The analysis over 200 institutions based on the above indicate a need to introduce into the European education area rankings specializing in particular fields of research and education where *"Engineering & Technology"* and *"Medicine"* should be given priority.

Entry requirements

The results presented are a pilot version of the European ranking. It is a result of analysis of higher education institutions with the strong *"Engineering & Technology"* profile in 13 European countries: Bulgaria, Croatia, Cyprus, Czechia, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Romania, Slovakia and Slovenia. These countries with fairly similar systems of education joined the European Union after 2004 – and are commonly called the *"New Europe"* group.



The over all EngiRank 2019 includes 81 schools:

- 8 schools in Bulgaria
- 2 schools in Croatia
- 5 schools in Cyprus
- 10 schools in Czechia
- 1 schools in Estonia
- 3 schools in Hungary
- 3 schools in Lotvia
- 2 schools in Lithuania
- 27 schools in Poland
- 13 schools in Romania
- 5 schools in Slovakia
- 2 schools in Slovenia

Besides the general “institutional” ranking, seven “Engineering & Technology” rankings “by subject” have been prepared. Selected disciplines follow FOS classification approved by OECD.

The main, overall European Ranking of Engineering Programs include higher education institutions that met three criteria:

- publications by researchers of the institution are indexed in the Scopus database;
- at least 30% of all publications of researchers of the institutions in the Scopus database in the period 2014-2018 fall into the Engineering and Technology category (Scopus data as of 24 September 2019);
- an institution has at least 1.000 students.

From over 200 schools considered, 81 met the above criteria for the “institutional” over all Ranking.

The criterion in the EngiRank “by subject” required at least 50 indexed publications in the Scopus database in the given discipline between 2014 and 2018 (Scopus database as of 24 September 2019).

The number of institutions in the EngiRank “by subject” varied. Below the number of institutions classified in various disciplines:

- Civil Engineering – 47 institutions,
- Electrical Engineering, Electronic Engineering & Information Engineering – 101 institutions,
- Mechanical Engineering – 106 institutions,
- Chemical Engineering – 117 institutions,
- Materials Engineering – 139 institutions,
- Medical Engineering – 44 institutions,
- Environmental Engineering – 49 institutions.

Methodology – criteria and indicators

The *European Ranking of Engineering Programs* takes into consideration 15 indicators grouped into five criteria: research effectiveness, innovation, quality of teaching, prestige and internationalization. The criteria were selected according to the best knowledge, the 20-years old experience of the “Perspektywy” Education Foundation in constructing ranking of higher institutions in Poland and analysis of international university rankings within the framework of IREG Observatory on Academic Ranking and Excellence. The general rule of construction of every criterion and indicator is the ability to obtain data for indicators for all ranked subjects from the one source.

In the main overall (“institutional”) EngiRank the following criteria and indicators were taken into account (there are their percentage weights in brackets):

RESEARCH EFFECTIVENESS (20%)

- **Publications [PUB]:** number of publications in the SCOPUS database 2014 – 2018 in relation to the total number of authors affiliated with the institution. *Source: SciVal (5%)*
- **Citations [CIT]:** number of citations in the SCOPUS database 2014 – 2018. *Source: SciVal (5%)*
- **Field-Weighted Citation Impact (FWCI):** relation of citations attributed to a publication to the average number of citations by similar publication in the SCOPUS database 2014 – 2018. *Source: SciVal (5%)*
- **Top 10 (Publications in Top 10 Journal Percentiles) [TOP-10]:** number of publications in 10% of most cited journals in relation to all publications of given institution. *Source: SciVal (5%)*

INNOVATION (35%)

- **External funding for research [FUND]:** value of projects done within Horizon 2020 EU Research & Innovation Programme 2014 – 2018 in relation to all academic staff employed by the institution: *Source: Horizon 2020 data base (7%)*
- **Patents (PAT):** the number of patents registered and granted to the institution by the European Patent Office: *Source: EPO-PATSTAT. (13%)*
- **Collaboration with environment (COL):** the ratio of publications in the Scopus database 2014-2018 that are co-authored by the academic staff and authors affiliated outside academia to all publications. *Source: SciVal (15%)*

QUALITY OF TEACHING (20%)

- **Availability of teaching staff (SSR):** ratio of students to academic staff in academic year 2017-2018 *Source: data provided by institutions. (10%)*
- **Accreditations (ACCRE):** number of accreditations granted to school by selected accrediting organizations. *Source: Accreditation Board for Engineering and Technology (ABET), European Network for Accreditation of Engineering Education (ENAE), The Royal Institute of British Architects Certificate (RIBA), Institutional Evaluation Programme (EUA-IEP) databases. (10%)*

PRESTIGE (5%)

- **National recognition (PREST)** – measured by institution's position in national rankings (if there are no rankings published in a country, the data of the Webometrics will be used instead). In the case of Poland the Perspektywy University Ranking (Poland) was the source. *Source: Webometrics database; Perspektywy database (5%)*

INTERNATIONALIZATION (20%)

- **International students [INTS]:** measured by the ratio of foreign students to the total number of students. *Source: data provided by institutions (4%)*
- **Student mobility (outbound) [E-OUTS]:** measured by the ratio of outbound students of the Erasmus+ program to the total number of students in the academic year 2017/18. *Source: Erasmus+ database (2%)*
- **Student mobility (inbound) [E-INS]:** measured by the ratio of inbound students of the Erasmus+ program to the total number of students in the academic year 2017/18. *Source: Erasmus+ database (2%)*
- **Student internships [E-INTERNS]:** ratio of number of student going abroad for internships to total number of students in academic year 2017/18. *Source: Erasmus+ database (2%)*
- **ICI (International Collaboration Impact) [ICI]:** indicator measured by the average number of publications co-authored by foreign author in 2014-2018 in the Scopus database. *Source: SciVal (10%)*

EngiRank „by subject”

Due to the limited availability of data in the EngiRank “by subject” six indicators grouped into two criteria were used.

RESEARCH EFFECTIVENESS (80%)

- **Publications [PUB]:** ratio of publications in the SCOPUS database 2014 – 2018 to the total number of authors affiliated with the institution. *Source: SciVal (15%)*
- **Citations:** ratio of the number of citations in the SCOPUS database 2014 – 2018 to the number of publications in the relevant discipline. *Source: SciVal (15%)*
- **Field-Weighted Citation Impact) [FWCI]:** the number of citations in the relevant discipline in the Scopus database normalized for the given discipline; ratio of citations to average number of citations in the given discipline. *Source: SciVal database. (15%)*
- **Top 10 (Publications in Top 10 Journal Percentiles) [TOP-10]:** the ratio of publications in 10% of the most cited journals to the total publications attributed to the institution. *Source: SciVal database. (15%)*
- **Collaboration with the environment [COLLAB]:** the ratio of publications in a given discipline in 2014-2018 in Scopus database co-authored by the academic staff and authors affiliated outside HE sector to the total number of publications. *Source: SciVal database. (20%)*

QUALITY OF TEACHING (20%)

- **Accreditations (ACCREDIT):** number of accreditations granted to school by selected accrediting organizations. *Source: Accreditation Board for Engineering and Technology (ABET), European Network for Accreditation of Engineering Education (ENAE), The Royal Institute of British Architects Certificate (RIBA), Institutional Evaluation Programme (EUA-IEP) databases. (20%)*

The rankings „by subject” include a total of **149 schools**:

EngiRank - Chemical Engineering includes **117 schools**:

- | | | |
|-------------------------|--------------------------|-------------------------|
| • 3 schools in Bulgaria | • 11 schools in Hungary | • 12 schools in Romania |
| • 4 schools in Croatia | • 3 schools in Lotvia | • 6 schools in Slovakia |
| • 3 schools in Cyprus | • 3 schools in Lithuania | • 4 schools in Slovenia |
| • 17 schools in Czechia | • 1 uczelnia z Malta | |
| • 2 schools in Estonia | • 48 schools in Poland | |

EngiRank - Civil Engineering includes **47 schools**:

- | | | |
|------------------------|--------------------------|-------------------------|
| • 4 schools in Croatia | • 3 schools in Hungary | • 3 schools in Romania |
| • 3 schools in Cyprus | • 1 schools in Lotvia | • 3 schools in Slovakia |
| • 7 schools in Czechia | • 2 schools in Lithuania | • 2 schools in Slovenia |
| • 1 schools in Estonia | • 18 schools in Poland | |

EngiRank - Electrical Engineering, Electronic Engineering & Information Engineering

includes **101 schools**:

- | | | |
|-------------------------|--------------------------|-------------------------|
| • 5 schools in Bulgaria | • 7 schools in Hungary | • 18 schools in Romania |
| • 4 schools in Croatia | • 2 schools in Lotvia | • 5 schools in Slovakia |
| • 5 schools in Cyprus | • 3 schools in Lithuania | • 3 schools in Slovenia |
| • 12 schools in Czechia | • 1 uczelnia z Malta | |
| • 2 schools in Estonia | • 34 schools in Poland | |

EngiRank - Environmental Engineering includes **49 schools**:

- 1 schools in Bulgaria
- 3 schools in Croatia
- 3 schools in Cyprus
- 5 schools in Czechia
- 2 schools in Estonia
- 2 schools in Hungary
- 1 schools in Lotvia
- 3 schools in Lithuania
- 1 uczelnia z Malta
- 15 schools in Poland
- 9 schools in Romania
- 2 schools in Slovakia
- 2 schools in Slovenia

EngiRank - Materials Engineering includes **139 schools**:

- 7 schools in Bulgaria
- 4 schools in Croatia
- 4 schools in Cyprus
- 17 schools in Czechia
- 2 schools in Estonia
- 10 schools in Hungary
- 2 schools in Lotvia
- 3 schools in Lithuania
- 1 uczelnia z Malta
- 55 schools in Poland
- 24 schools in Romania
- 7 schools in Slovakia
- 3 schools in Slovenia

EngiRank - Mechanical Engineering includes **106 schools**:

- 5 schools in Bulgaria
- 4 schools in Croatia
- 3 schools in Cyprus
- 16 schools in Czechia
- 2 schools in Estonia
- 7 schools in Hungary
- 3 schools in Lotvia
- 3 schools in Lithuania
- 1 uczelnia z Malta
- 39 schools in Poland
- 13 schools in Romania
- 7 schools in Slovakia
- 3 schools in Slovenia

includes **EngiRank - Medical Engineering** includes **44 schools**:

- 1 schools in Croatia
- 1 schools in Cyprus
- 6 schools in Czechia
- 1 schools in Estonia
- 2 schools in Hungary
- 1 schools in Lotvia
- 2 schools in Lithuania
- 16 schools in Poland
- 11 schools in Romania
- 1 schools in Slovakia
- 2 schools in Slovenia

Methodology - method of calculation

The higher value of each indicator in the criterion (except SSR), the higher position of an institution in the ranking. The value of SSR had been transformed. This way all the indicators used in the European Ranking of Engineering Programs meet the criterion of uniform –preference. Criteria that spread asymmetric had undergone logarithmic transformation to ensure comparable set of criteria.

The methodology of the ranking is based on the **Multi-Attribute Utility Theory (MAUT)**. According to the theory, it was assumed – firstly - that it is possible to estimate the utility that expresses the impact of the individual criteria taken into account on the final assessment of the university. Secondly, it was assumed that if the criteria are not equally important, then bringing them to comparability is possible by weighting the criteria using real coefficients. Thirdly, it was assumed that the final rating is the sum of weighted partial utilities.

The methodology for conducting the ranking is as follows. We distinguish between so-called small and large ranking points. For each of the criteria taken into account, in addition to the criterion for recognition in the country (national reputation), a school - the winner is selected who obtains 100 small ranking points. Then, for all other schools, a proportional distance to the winner is calculated, according to the value of the indicator for the given

school, and small ranking points are allocated.

For the criterion regarding recognition (prestige) at the country level - measured by means of an indicator reflecting the position of the university in the national ranking - 100 small ranking points are obtained by the university occupying the highest position in the country in the ranking. The university with the lowest ranking in a given country obtains 20 small ranking points. Other universities in a given country are assigned small ranking points, in proportion to their position in the national ranking. It should be noted that in this indicator the highest maximum number of small points will be obtained by as many universities as countries included in the ranking.

Small ranking points obtained by the university for all criteria are added together and ranked in the ranking from the highest to the lowest number of points obtained in total. The sum of small ranking points is also normalized in such a way that the school which obtained the highest number of small ranking points receives 100 large ranking points and the remaining schools are allocated large ranking points in proportion to the sum of small ranking points from 15 criteria. In this way, a linear order of the set of ranking participants is obtained relative to the number of large ranking points obtained.

In order to determine the position of schools in the ranking, a discrimination threshold of 0.5% of the number of points with a higher total number of large ranking points is introduced. This means that schools that obtained scores that differ by less than 0.5% in the number of points from schools with more points will occupy the same position in the ranking.

Final remarks

In the first, planned for next year, full edition of the European Ranking of Engineering Studies - EngiRank 2020, which will cover all European Union countries, it is necessary to expand the set of indicators prepared jointly with leading European companies in the technology sector, which will reflect the quality of engineering education from the point of view of employers. The set of indicators on patents and intellectual property should also be extended.

2.

EngiRank 2019 – Institutional Ranking

Engi rank European Ranking of Engineering Programs				RESEARCH EFFECTIVENESS 20%			
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10
				5%	5%	5%	5%
1	Warsaw University of Technology	Poland	100,00	52,86	46,71	59,88	52,49
2	AGH University of Science and Technology	Poland	91,66	49,78	51,04	56,29	53,98
3	University of Chemistry and Technology, Prague	Czech Rep.	90,36	34,43	76,95	56,89	74,38
4	Czech Technical University	Czech Rep.	86,76	61,58	38,86	60,48	51,00
4	University of Cyprus	Cyprus	86,40	84,70	100,00	100,00	100,00
6	Lodz University of Technology	Poland	83,91	46,67	44,37	49,70	51,00
6	Wrocław University of Science and Technology	Poland	83,66	41,61	46,46	53,89	47,26
8	Technical University of Kosice	Slovakia	82,18	30,24	25,79	48,50	19,90
8	Military University of Technology Warsaw	Poland	82,09	40,99	38,15	53,89	28,86
10	Budapest University of Technology and Economics	Hungary	80,28	68,04	48,15	61,68	60,45
11	Silesian University of Technology	Poland	79,67	57,17	39,92	65,87	32,59
12	Gdańsk University of Technology	Poland	78,66	41,49	53,97	64,67	50,25
13	Slovak University of Technology	Slovakia	77,02	60,97	30,52	43,71	35,07
14	Poznań University of Technology	Poland	75,81	45,25	55,55	72,46	49,75
15	Tallinn University of Technology	Estonia	74,53	77,26	48,20	71,26	55,22
16	University of Maribor	Slovenia	73,48	15,55	69,07	64,07	59,45
16	Cyprus University of Technology	Cyprus	73,32	57,56	75,54	70,66	81,59
16	Brno University of Technology	Czech Rep.	73,16	94,62	37,62	57,49	49,50
16	West Pomeranian University of Technology	Poland	72,91	32,82	50,38	56,29	35,32
20	University Politehnica of Bucharest	Romania	71,43	40,92	30,31	46,11	34,08
21	VŠB – Technical University of Ostrava	Czech Rep.	70,85	73,73	30,32	53,89	21,14
22	Cracow University of Technology	Poland	68,28	32,79	45,50	62,87	38,81
23	Lublin University of Technology	Poland	67,40	53,11	42,48	67,07	23,38
24	Riga Technical University	Latvia	66,96	100,00	29,33	61,08	49,50
25	University of Latvia	Latvia	66,05	49,30	44,23	50,90	44,03
26	University of Pardubice	Czech Rep.	63,30	40,79	50,91	44,91	41,29
27	University of West Bohemia	Czech Rep.	62,75	50,84	34,51	54,49	41,04
28	University of Pannonia	Hungary	61,24	13,90	71,17	68,86	64,43
29	Technical University of Liberec	Czech Rep.	59,39	47,93	25,23	32,34	29,85
29	Kaunas University of Technology	Lithuania	59,23	43,43	36,16	36,53	47,01
31	Frederick University	Cyprus	58,43	13,70	87,47	83,83	75,62
31	Białystok University of Technology	Poland	58,23	42,17	28,88	49,70	25,12
33	Częstochowa University Of Technology	Poland	57,47	51,33	40,73	53,89	25,12
33	University of Zilina	Slovakia	57,46	78,82	26,09	58,08	14,18
35	University of Nova Gorica	Slovenia	57,09	2,58	98,20	82,04	87,06
36	Jan Długosz University in Czestochowa	Poland	56,80	16,31	81,07	73,05	36,82
37	Technical University of Cluj-Napoca	Romania	56,23	36,35	30,76	52,10	28,86
37	Vilnius Gediminas Technical University	Lithuania	56,14	36,74	46,11	59,88	33,58
37	Transilvania University of Brasov	Romania	55,92	29,20	33,88	50,90	51,49
40	Tomas Bata University in Zlin	Czech Rep.	54,22	53,47	36,19	44,91	33,83
41	Opole University of Technology	Poland	52,87	32,55	49,10	71,26	26,87
42	University of Zielona Gora	Poland	50,04	15,13	43,32	65,27	45,52
43	Maria Curie-Skłodowska University	Poland	48,91	11,05	70,78	53,29	49,25
44	Kielce University Of Technology	Poland	46,87	36,94	31,18	68,86	15,92
45	Rzeszów University of Technology	Poland	46,63	28,46	38,13	57,49	27,61
46	Politehnica University of Timisoara	Romania	45,01	55,35	36,90	56,29	29,10
46	Jan Evangelista Purkyne University in Usti nad Labem	Czech Rep.	44,91	16,41	51,57	64,07	47,01
48	Gh. Asachi Technical University	Romania	44,53	36,68	32,19	47,31	26,62
48	Alexander Dubcek University of Trencin	Slovakia	44,45	11,83	16,36	33,53	10,20
48	University of Chemical Technology and Metallurgy Sofia	Bulgaria	44,29	21,98	38,60	31,74	21,14

INNOVATION 35%			TEACHING 20%		PRESTIGE 5%	INTERNATIONALIZATION 20%				
FUND	PAT	COLLAB	SSR	ACCRE	PREST	INTS	E-OUT	E-IN	E-INTERN	ICI
7%	13%	15%	10%	10%	5%	4%	2%	2%	2%	10%
29,50	82,01	98,27	37,28	100,00	100,00	6,37	24,04	33,93	36,88	98,15
35,14	83,43	80,95	37,90	69,07	96,36	2,47	13,04	36,01	37,61	96,73
36,42	11,75	85,83	100,00	56,00	64,44	21,11	32,41	100,00	100,00	87,34
45,61	100,00	67,33	39,09	0,00	100,00	20,07	27,20	67,70	57,83	100,00
100,00	23,51	62,27	19,30	0,00	100,00	12,04	73,18	60,34	81,66	90,62
19,01	81,60	47,65	34,33	97,95	85,45	3,25	38,11	54,33	32,80	88,89
17,64	87,48	70,54	33,74	59,17	92,73	4,10	16,34	27,16	27,22	93,68
20,21	85,96	50,44	74,33	72,92	80,00	14,49	43,26	13,54	47,70	87,34
15,62	55,25	95,72	54,87	86,68	49,09	0,44	15,15	8,04	35,12	79,20
48,55	35,26	100,00	24,92	0,00	100,00	7,81	40,99	64,14	43,60	95,23
24,46	75,73	40,20	36,67	100,00	81,82	1,13	15,90	12,48	21,95	86,08
21,96	68,26	35,37	35,95	87,73	89,09	4,95	39,01	39,16	28,33	87,01
32,74	74,73	34,86	37,29	64,57	100,00	6,09	52,84	29,37	51,88	90,94
25,54	76,49	39,79	34,70	59,17	78,18	1,90	27,34	25,41	21,86	84,13
72,59	54,58	43,02	19,45	0,00	100,00	15,12	35,44	74,80	57,89	91,09
25,67	50,80	60,69	56,74	0,00	100,00	7,70	36,71	79,18	31,67	86,79
90,52	18,63	74,39	24,29	0,00	80,00	8,87	10,99	15,42	60,76	77,03
53,62	49,01	42,41	21,56	18,67	91,11	22,94	38,70	49,85	44,64	96,96
14,37	86,27	27,89	46,22	69,07	70,91	2,20	16,90	61,57	26,57	77,26
26,94	30,38	52,89	49,99	66,91	100,00	3,06	13,79	19,72	36,52	95,60
42,80	89,24	37,49	28,52	0,00	82,22	14,11	18,04	65,01	51,09	93,34
8,53	65,29	29,39	34,60	81,98	67,27	2,52	17,41	53,26	14,25	76,37
10,13	84,16	9,32	29,65	59,17	63,64	8,26	15,87	88,86	46,31	85,83
48,52	74,09	30,10	10,82	18,67	60,00	9,16	22,70	42,01	24,13	84,07
60,73	54,58	29,55	12,92	29,58	100,00	6,72	34,43	64,57	24,39	82,28
35,64	65,29	52,35	30,52	0,00	46,67	7,81	27,07	53,61	31,20	78,60
0,00	82,28	42,83	27,61	0,00	73,33	5,63	42,42	38,19	27,28	81,68
18,63	11,75	95,80	28,52	0,00	60,00	7,26	4,62	5,19	12,89	73,92
0,00	86,48	31,23	43,38	0,00	37,78	13,09	41,81	83,78	45,65	79,67
52,32	61,23	31,36	28,52	0,00	20,00	6,72	100,00	62,17	30,89	82,61
0,00	0,00	73,44	29,91	0,00	40,00	100,00	8,24	27,82	16,81	60,78
0,00	52,42	7,78	34,02	90,68	45,45	3,84	31,03	81,84	18,32	72,45
20,00	62,97	22,58	46,45	0,00	56,36	4,58	15,68	59,50	41,37	80,07
20,48	67,95	16,36	31,94	0,00	60,00	8,35	29,11	28,77	62,02	90,04
8,50	0,00	61,02	56,74	18,67	20,00	7,70	0,33	1,14	8,71	69,58
0,00	0,00	96,03	41,41	0,00	34,55	3,80	0,00	2,38	37,07	74,76
30,94	30,38	37,64	23,56	37,33	81,54	1,15	10,11	7,89	19,39	85,36
20,00	59,29	8,43	29,69	0,00	100,00	11,00	68,76	45,32	29,32	81,36
23,08	11,75	36,37	18,19	72,92	75,38	3,92	15,07	18,67	11,18	76,45
2,52	73,44	26,85	21,67	0,00	55,56	11,00	36,64	43,05	23,15	76,72
0,00	54,58	10,84	33,38	43,34	41,82	7,76	17,91	49,59	18,02	68,61
10,93	18,63	52,74	40,39	0,00	52,73	0,84	8,04	10,59	16,30	74,39
0,00	44,75	23,39	32,77	0,00	60,00	8,96	12,45	12,47	10,22	77,44
0,00	56,51	4,90	32,61	43,34	30,91	2,35	8,24	18,62	13,34	64,60
3,71	66,34	19,44	29,59	0,00	30,91	1,32	10,69	11,77	12,75	74,16
13,05	11,75	31,76	20,75	0,00	69,23	3,41	14,37	10,44	23,73	82,21
0,00	48,04	17,03	25,26	0,00	28,89	23,06	31,20	39,82	11,58	65,81
6,14	23,51	21,03	29,91	0,00	87,69	3,92	3,81	7,79	23,11	86,12
82,80	0,00	14,17	41,32	59,17	20,00	26,23	44,03	17,31	14,39	54,35
0,00	0,00	42,37	52,43	0,00	88,57	5,09	8,88	3,09	45,30	74,06

EngiRank European Ranking of Engineering Programs				RESEARCH EFFECTIVENESS 20%			
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10
				5%	5%	5%	5%
51	University of Rijeka	Croatia	43,57	11,57	29,84	44,91	38,56
51	Radom University of Technology	Poland	43,54	13,53	29,52	50,90	25,37
51	University of Technology and Agriculture	Poland	43,47	11,43	37,45	46,71	21,14
51	Technical University of Sofia	Bulgaria	43,34	14,67	16,35	35,93	17,41
51	Technical University in Zvolen	Slovakia	43,26	24,46	39,64	49,10	30,10
51	Koszalin University of Technology	Poland	43,06	20,07	45,04	63,47	18,91
57	University of Miskolc	Hungary	42,09	8,89	27,55	49,10	29,35
58	Eastern Mediterranean University	Cyprus	41,64	4,58	74,68	72,46	52,74
59	Latvia University of Life Sciences and Technologies	Latvia	39,32	16,91	12,50	51,50	21,64
60	Gdynia Maritime University	Poland	37,37	31,32	34,81	58,08	30,60
61	Dunarea de Jos University of Galati	Romania	36,43	20,31	40,62	44,31	28,86
62	Bourgas Prof. Assen Zlatarov University	Bulgaria	36,05	3,28	35,01	33,53	22,89
63	University of Dubrovnik	Croatia	34,12	11,42	23,29	62,87	20,15
64	Maritime University Of Szczecin	Poland	32,48	18,36	39,37	68,26	20,15
65	University of Architecture Sofia	Bulgaria	31,91	3,11	29,14	43,11	19,65
66	Military Technical Academy	Romania	31,50	50,54	15,21	29,34	16,42
67	Technical University of Varna	Bulgaria	30,23	19,21	12,62	47,90	14,93
68	Stefan Cel Mare University	Romania	29,35	13,30	36,87	61,08	43,03
69	Angel Kanchev" University of Ruse	Bulgaria	28,18	6,33	16,32	42,51	12,19
70	University of Food Technologies-Plovdiv	Bulgaria	27,59	3,02	32,33	37,13	16,67
71	University of Defence in Brno	Czech Rep.	26,97	16,28	25,27	61,08	23,13
72	University of Oradea	Romania	26,57	7,52	24,17	35,93	20,65
73	Valahia University of Targoviste	Romania	25,88	10,72	29,75	45,51	22,89
74	Cyprus International University	Cyprus	25,26	4,12	40,01	62,28	29,60
75	University of Craiova	Romania	25,07	16,33	18,94	39,52	17,91
75	University of Bielsko-biala	Poland	24,96	18,37	30,71	37,72	17,16
75	Technical University of Gabrovo	Bulgaria	24,94	3,38	29,89	41,92	26,62
78	Polish Naval Academy	Poland	24,61	9,63	12,84	25,75	9,70
79	Lucian Blaga University of Sibiu	Romania	23,94	5,91	14,51	26,95	8,21
80	Main School Of Fire Service	Poland	18,05	14,79	17,24	25,15	12,69
81	Constanta Maritime University	Romania	15,16	38,15	7,14	25,15	1,24

INNOVATION 35%			TEACHING 20%		PRESTIGE 5%	INTERNATIONALIZATION 20%				
FUND	PAT	COLLAB	SSR	ACCRE	PREST	INTS	E-OUT	E-IN	E-INTERN	ICI
7%	13%	15%	10%	10%	5%	4%	2%	2%	2%	10%
5,23	0,00	46,38	29,91	0,00	100,00	0,00	20,87	26,09	8,57	72,92
0,00	53,17	43,74	36,28	0,00	27,27	2,06	9,30	4,80	6,44	50,13
17,56	58,23	19,23	35,10	0,00	38,18	0,88	14,70	67,64	4,38	51,78
19,56	0,00	25,15	29,91	43,34	100,00	1,04	7,61	4,95	10,88	76,09
15,32	56,51	0,00	39,52	0,00	40,00	4,47	33,49	6,91	33,37	65,54
0,00	45,92	20,28	40,17	0,00	30,91	0,54	3,14	27,03	20,87	66,16
22,08	0,00	47,16	59,69	0,00	20,00	4,50	6,81	13,77	11,55	67,87
0,00	0,00	11,96	54,70	0,00	20,00	67,14	0,00	0,00	8,74	72,87
23,32	43,49	5,08	51,80	0,00	20,00	2,58	58,21	29,27	10,77	56,14
0,00	27,29	25,74	30,08	0,00	23,64	1,40	24,95	22,92	6,97	52,04
13,22	11,75	10,72	27,29	0,00	63,08	20,82	7,12	10,23	10,24	70,16
0,00	0,00	64,91	34,11	0,00	42,86	2,50	0,93	1,20	2,56	45,64
1,87	0,00	48,96	25,26	0,00	20,00	0,00	14,18	74,44	7,83	46,44
16,44	18,63	9,39	33,46	0,00	27,27	11,94	10,99	0,00	5,88	45,22
11,00	0,00	0,00	73,85	0,00	65,71	5,09	22,75	23,50	5,09	45,22
10,01	0,00	36,86	27,05	0,00	26,15	0,49	0,00	1,55	23,44	53,24
23,43	18,63	8,62	19,97	0,00	54,29	3,18	2,07	3,63	7,62	55,95
5,42	0,00	0,00	27,18	0,00	56,92	7,92	20,05	8,66	4,62	55,37
1,43	18,63	0,00	33,28	0,00	77,14	2,86	13,81	11,51	4,25	50,98
0,56	0,00	25,24	41,32	0,00	31,43	3,27	3,64	3,15	3,57	46,44
0,00	0,00	3,08	32,59	0,00	20,00	16,60	2,90	13,12	7,14	64,10
1,51	11,75	11,88	20,75	0,00	38,46	5,47	9,62	13,12	2,37	57,21
0,00	0,00	19,31	24,38	0,00	32,31	0,98	6,34	0,00	4,16	51,52
0,00	0,00	0,00	13,42	0,00	60,00	28,10	0,00	0,00	1,57	50,70
5,39	0,00	10,81	14,72	0,00	50,77	2,51	7,18	5,04	2,38	62,02
0,00	0,00	6,45	33,24	0,00	23,64	0,41	6,50	28,26	9,20	55,95
0,00	0,00	27,54	22,36	0,00	20,00	2,13	1,05	1,02	2,10	45,22
10,77	0,00	18,36	48,16	0,00	20,00	0,46	66,25	1,07	3,25	32,72
4,86	0,00	17,03	23,44	0,00	44,62	3,06	12,02	5,19	1,99	57,03
27,78	0,00	0,00	27,32	0,00	20,00	0,72	12,93	0,97	2,14	28,94
0,00	0,00	0,00	11,01	0,00	20,00	8,79	3,92	0,00	3,60	42,39

3.

Institutional Ranking *Sub-rankings by Criteria*

Innovation	20
Research Effectiveness	22
Quality of Teaching	24
Internationalization	26

Engi rank Innovation				FOUND	PAT	COLLAB
2019 Rank	Institution	Country	Overall score	7%	13%	15%
1	Warsaw University of Technology	Poland	100,00	29,50	82,01	98,27
2	Czech Technical University	Czech Republic	95,72	45,61	100,00	67,33
3	AGH University of Science and Technology	Poland	92,65	35,14	83,43	80,95
4	Wrocław University of Science and Technology	Poland	84,42	17,64	87,48	70,54
5	Budapest University of Technology and Economics	Hungary	83,67	48,55	35,26	100,00
6	Military University of Technology Warsaw	Poland	82,41	15,62	55,25	95,72
7	VŠB – Technical University of Ostrava	Czech Republic	73,62	42,80	89,24	37,49
8	Technical University of Kosice	Slovakia	73,38	20,21	85,96	50,44
9	Cyprus University of Technology	Cyprus	72,51	90,52	18,63	74,39
10	University of Cyprus	Cyprus	70,62	100,00	23,51	62,27
11	Lodz University of Technology	Poland	69,49	19,01	81,60	47,65
12	University of Pardubice	Czech Republic	68,57	35,64	65,29	52,35
13	Tallinn University of Technology	Estonia	67,83	72,59	54,58	43,02
14	Poznań University of Technology	Poland	64,44	25,54	76,49	39,79
15	Silesian University of Technology	Poland	64,03	24,46	75,73	40,20
16	Riga Technical University	Latvia	63,87	48,52	74,09	30,10
17	University of Maribor	Slovenia	63,73	25,67	50,80	60,69
18	Slovak University of Technology	Slovakia	62,75	32,74	74,73	34,86
19	University of Pannonia	Hungary	62,63	18,63	11,75	95,80
20	University of West Bohemia	Czech Republic	62,33	0,00	82,28	42,83
21	University of Chemistry and Technology, Prague	Czech Republic	61,72	36,42	11,75	85,83
22	Brno University of Technology	Czech Republic	60,02	53,62	49,01	42,41
23	West Pomeranian University of Technology	Poland	59,73	14,37	86,27	27,89
24	Kaunas University of Technology	Lithuania	59,44	52,32	61,23	31,36
25	Technical University of Liberec	Czech Republic	57,99	0,00	86,48	31,23
26	University of Latvia	Latvia	57,45	60,73	54,58	29,55
27	Gdańsk University of Technology	Poland	57,22	21,96	68,26	35,37
28	Jan Długosz University in Czestochowa	Poland	52,45	0,00	0,00	96,03
29	University Politehnica of Bucharest	Romania	50,13	26,94	30,38	52,89
30	Tomas Bata University in Zlin	Czech Republic	50,06	2,52	73,44	26,85
31	Cracow University of Technology	Poland	49,12	8,53	65,29	29,39
32	Radom University of Technology	Poland	49,05	0,00	53,17	43,74
33	Lublin University of Technology	Poland	47,50	10,13	84,16	9,32
34	Częstochowa University Of Technology	Poland	47,23	20,00	62,97	22,58
35	University of Zilina	Slovakia	46,32	20,48	67,95	16,36
36	Rzeszów University of Technology	Poland	42,96	3,71	66,34	19,44
37	Technical University of Cluj-Napoca	Romania	42,82	30,94	30,38	37,64
38	University of Technology and Agriculture	Poland	42,54	17,56	58,23	19,23
39	University of Zielona Gora	Poland	40,41	10,93	18,63	52,74
40	Frederick University	Cyprus	40,11	0,00	0,00	73,44
41	Vilnius Gediminas Technical University	Lithuania	37,76	20,00	59,29	8,43
42	University of Nova Gorica	Slovenia	35,49	8,50	0,00	61,02
43	Bourgas Prof. Assen Zlatarov University	Bulgaria	35,45	0,00	0,00	64,91
44	Maria Curie-Sklodowska University	Poland	33,96	0,00	44,75	23,39
45	Koszalin University of Technology	Poland	32,81	0,00	45,92	20,28
46	Jan Evangelista Purkyně University in Usti nad Labem	Czech Republic	32,04	0,00	48,04	17,03
47	Opole University of Technology	Poland	31,76	0,00	54,58	10,84
48	University of Miskolc	Hungary	31,38	22,08	0,00	47,16
49	Transilvania University of Brasov	Romania	31,31	23,08	11,75	36,37
50	Technical University in Zvolen	Slovakia	30,65	15,32	56,51	0,00

Engi rank Innovation				FOUND	PAT	COLLAB
2019 Rank	Institution	Country	Overall score	7%	13%	15%
51	Kielce University Of Technology	Poland	29,42	0,00	56,51	4,90
52	Latvia University of Life Sciences and Technologies	Latvia	29,30	23,32	43,49	5,08
53	Białystok University of Technology	Poland	29,06	0,00	52,42	7,78
54	Alexander Dubcek University of Trencin	Slovakia	28,84	82,80	0,00	14,17
55	University of Dubrovnik	Croatia	27,21	1,87	0,00	48,96
56	Gdynia Maritime University	Poland	26,97	0,00	27,29	25,74
57	University of Rijeka	Croatia	26,66	5,23	0,00	46,38
58	Politehnica University of Timisoara	Romania	26,23	13,05	11,75	31,76
59	Gh. Asachi Technical University	Romania	24,17	6,14	23,51	21,03
60	University of Chemical Technology and Metallurgy Sofia	Bulgaria	23,14	0,00	0,00	42,37
61	Military Technical Academy	Romania	22,68	10,01	0,00	36,86
62	Technical University of Varna	Bulgaria	19,50	23,43	18,63	8,62
63	Technical University of Sofia	Bulgaria	18,72	19,56	0,00	25,15
64	Maritime University Of Szczecin	Poland	18,14	16,44	18,63	9,39
65	Technical University of Gabrovo	Bulgaria	15,04	0,00	0,00	27,54
66	Dunarea de Jos University of Galati	Romania	14,79	13,22	11,75	10,72
67	University of Food Technologies-Plovdiv	Bulgaria	13,93	0,56	0,00	25,24
68	Polish Naval Academy	Poland	12,77	10,77	0,00	18,36
69	University of Oradea	Romania	12,44	1,51	11,75	11,88
70	Valahia University of Targoviste	Romania	10,55	0,00	0,00	19,31
71	Lucian Blaga University of Sibiu	Romania	10,54	4,86	0,00	17,03
72	Angel Kanchev" University of Ruse	Bulgaria	9,18	1,43	18,63	0,00
73	University of Craiova	Romania	7,27	5,39	0,00	10,81
74	Main School Of Fire Service	Poland	7,08	27,78	0,00	0,00
75	Eastern Mediterranean University	Cyprus	6,53	0,00	0,00	11,96
76	University of Bielsko-biala	Poland	3,52	0,00	0,00	6,45
77	University of Architecture Sofia	Bulgaria	2,80	11,00	0,00	0,00
78	University of Defence in Brno	Czech Republic	1,68	0,00	0,00	3,08
79	Stefan Cel Mare University	Romania	1,38	5,42	0,00	0,00
80	Cyprus International University	Cyprus	0,00	0,00	0,00	0,00
81	Constanta Maritime University	Romania	0,00	0,00	0,00	0,00

EngiRank Research Effectiveness				PUB	CIT	FWCI	TOP10
2019 Rank	Institution	Country	Overall score	5%	5%	5%	5%
1	University of Cyprus	Cyprus	100,00	84,70	100,00	100,00	100,00
2	Cyprus University of Technology	Cyprus	74,17	57,56	75,54	70,66	81,59
3	University of Nova Gorica	Slovenia	70,15	2,58	98,20	82,04	87,06
4	Frederick University	Cyprus	67,75	13,70	87,47	83,83	75,62
5	Tallinn University of Technology	Estonia	65,49	77,26	48,20	71,26	55,22
6	University of Chemistry and Technology, Prague	Czech Republic	63,07	34,43	76,95	56,89	74,38
7	Riga Technical University	Latvia	62,36	100,00	29,33	61,08	49,50
8	Brno University of Technology	Czech Republic	62,19	94,62	37,62	57,49	49,50
9	Budapest University of Technology and Economics	Hungary	61,95	68,04	48,15	61,68	60,45
10	Poznań University of Technology	Poland	57,97	45,25	55,55	72,46	49,75
11	University of Pannonia	Hungary	56,76	13,90	71,17	68,86	64,43
12	Warsaw University of Technology	Poland	55,09	52,86	46,71	59,88	52,49
13	Czech Technical University	Czech Republic	55,08	61,58	38,86	60,48	51,00
14	AGH University of Science and Technology	Poland	54,87	49,78	51,04	56,29	53,98
15	Gdańsk University of Technology	Poland	54,69	41,49	53,97	64,67	50,25
16	University of Maribor	Slovenia	54,11	15,55	69,07	64,07	59,45
17	Jan Długosz University in Czestochowa	Poland	53,87	16,31	81,07	73,05	36,82
18	Eastern Mediterranean University	Cyprus	53,15	4,58	74,68	72,46	52,74
19	Silesian University of Technology	Poland	50,83	57,17	39,92	65,87	32,59
20	Lodz University of Technology	Poland	49,84	46,67	44,37	49,70	51,00
21	Wrocław University of Science and Technology	Poland	49,19	41,61	46,46	53,89	47,26
22	University of Latvia	Latvia	48,99	49,30	44,23	50,90	44,03
23	Lublin University of Technology	Poland	48,36	53,11	42,48	67,07	23,38
24	Maria Curie-Skłodowska University	Poland	47,93	11,05	70,78	53,29	49,25
25	University of West Bohemia	Czech Republic	47,02	50,84	34,51	54,49	41,04
26	Cracow University of Technology	Poland	46,78	32,79	45,50	62,87	38,81
27	Opole University of Technology	Poland	46,73	32,55	49,10	71,26	26,87
28	VŠB – Technical University of Ostrava	Czech Republic	46,55	73,73	30,32	53,89	21,14
29	Jan Evangelista Purkyně University in Usti nad Labem	Czech Republic	46,55	16,41	51,57	64,07	47,01
30	University of Pardubice	Czech Republic	46,24	40,79	50,91	44,91	41,29
31	Politehnica University of Timisoara	Romania	46,17	55,35	36,90	56,29	29,10
32	University of Zilina	Slovakia	46,05	78,82	26,09	58,08	14,18
33	Vilnius Gediminas Technical University	Lithuania	45,83	36,74	46,11	59,88	33,58
34	West Pomeranian University of Technology	Poland	45,44	32,82	50,38	56,29	35,32
35	Częstochowa University Of Technology	Poland	44,47	51,33	40,73	53,89	25,12
36	Slovak University of Technology	Slovakia	44,26	60,97	30,52	43,71	35,07
37	University of Zielona Gora	Poland	43,99	15,13	43,32	65,27	45,52
38	Tomas Bata University in Zlin	Czech Republic	43,77	53,47	36,19	44,91	33,83
39	Transilvania University of Brasov	Romania	43,01	29,20	33,88	50,90	51,49
40	Kaunas University of Technology	Lithuania	42,41	43,43	36,16	36,53	47,01
41	Military University of Technology Warsaw	Poland	42,08	40,99	38,15	53,89	28,86
42	Gdynia Maritime University	Poland	40,24	31,32	34,81	58,08	30,60
43	Stefan Cel Mare University	Romania	40,10	13,30	36,87	61,08	43,03
44	Kielce University Of Technology	Poland	39,75	36,94	31,18	68,86	15,92
45	Rzeszów University of Technology	Poland	39,43	28,46	38,13	57,49	27,61
46	University Politehnica of Bucharest	Romania	39,36	40,92	30,31	46,11	34,08
47	Technical University of Cluj-Napoca	Romania	38,49	36,35	30,76	52,10	28,86
48	Koszalin University of Technology	Poland	38,34	20,07	45,04	63,47	18,91
49	Maritime University Of Szczecin	Poland	37,99	18,36	39,37	68,26	20,15
50	Białystok University of Technology	Poland	37,92	42,17	28,88	49,70	25,12

EngiRank Research Effectiveness				PUB	CIT	FWCI	TOP10
2019 Rank	Institution	Country	Overall score	5%	5%	5%	5%
51	Technical University in Zvolen	Slovakia	37,25	24,46	39,64	49,10	30,10
52	Gh. Asachi Technical University	Romania	37,12	36,68	32,19	47,31	26,62
53	Cyprus International University	Cyprus	35,35	4,12	40,01	62,28	29,60
54	Technical University of Liberec	Czech Republic	35,18	47,93	25,23	32,34	29,85
55	Dunarea de Jos University of Galati	Romania	34,86	20,31	40,62	44,31	28,86
56	University of Defence in Brno	Czech Republic	32,69	16,28	25,27	61,08	23,13
57	University of Rijeka	Croatia	32,46	11,57	29,84	44,91	38,56
58	Technical University of Kosice	Slovakia	32,34	30,24	25,79	48,50	19,90
59	Radom University of Technology	Poland	31,02	13,53	29,52	50,90	25,37
60	University of Dubrovnik	Croatia	30,60	11,42	23,29	62,87	20,15
61	University of Technology and Agriculture	Poland	30,34	11,43	37,45	46,71	21,14
62	University of Miskolc	Hungary	29,87	8,89	27,55	49,10	29,35
63	University of Chemical Technology and Metallurgy Sofia	Bulgaria	29,49	21,98	38,60	31,74	21,14
64	Military Technical Academy	Romania	28,99	50,54	15,21	29,34	16,42
65	Valahia University of Targoviste	Romania	28,30	10,72	29,75	45,51	22,89
66	University of Bielsko-biala	Poland	27,03	18,37	30,71	37,72	17,16
67	Latvia University of Life Sciences and Technologies	Latvia	26,65	16,91	12,50	51,50	21,64
68	Technical University of Gabrovo	Bulgaria	26,46	3,38	29,89	41,92	26,62
69	University of Architecture Sofia	Bulgaria	24,70	3,11	29,14	43,11	19,65
70	Bourgas Prof. Assen Zlatarov University	Bulgaria	24,62	3,28	35,01	33,53	22,89
71	Technical University of Varna	Bulgaria	24,61	19,21	12,62	47,90	14,93
72	University of Craiova	Romania	24,10	16,33	18,94	39,52	17,91
73	University of Food Technologies-Plovdiv	Bulgaria	23,17	3,02	32,33	37,13	16,67
74	University of Oradea	Romania	22,94	7,52	24,17	35,93	20,65
75	Technical University of Sofia	Bulgaria	21,93	14,67	16,35	35,93	17,41
76	Angel Kanchev" University of Ruse	Bulgaria	20,11	6,33	16,32	42,51	12,19
77	Alexander Dubcek University of Trencin	Slovakia	18,70	11,83	16,36	33,53	10,20
78	Constanta Maritime University	Romania	18,63	38,15	7,14	25,15	1,24
79	Main School Of Fire Service	Poland	18,16	14,79	17,24	25,15	12,69
80	Polish Naval Academy	Poland	15,06	9,63	12,84	25,75	9,70
81	Lucian Blaga University of Sibiu	Romania	14,45	5,91	14,51	26,95	8,21

EngiRank				SSR	ACCREDITATION
Quality of Teaching				10%	10%
2019 Rank	Institution	Country	Overall score	10%	10%
1	University of Chemistry and Technology, Prague	Czech Republic	100,00	100,00	56,00
2	Technical University of Kosice	Slovakia	94,40	74,33	72,92
3	Military University of Technology Warsaw	Poland	90,74	54,87	86,68
4	Warsaw University of Technology	Poland	88,00	37,28	100,00
5	Silesian University of Technology	Poland	87,61	36,67	100,00
6	Lodz University of Technology	Poland	84,80	34,33	97,95
7	Białystok University of Technology	Poland	79,94	34,02	90,68
8	Gdańsk University of Technology	Poland	79,28	35,95	87,73
9	University Politehnica of Bucharest	Romania	74,94	49,99	66,91
10	Cracow University of Technology	Poland	74,73	34,60	81,98
11	West Pomeranian University of Technology	Poland	73,91	46,22	69,07
12	AGH University of Science and Technology	Poland	68,57	37,90	69,07
13	Slovak University of Technology	Slovakia	65,30	37,29	64,57
14	Alexander Dubcek University of Trencin	Slovakia	64,42	41,32	59,17
15	Poznań University of Technology	Poland	60,17	34,70	59,17
16	Wrocław University of Science and Technology	Poland	59,56	33,74	59,17
17	Transilvania University of Brasov	Romania	58,41	18,19	72,92
18	Lublin University of Technology	Poland	56,93	29,65	59,17
19	Opole University of Technology	Poland	49,18	33,38	43,34
20	Kielce University Of Technology	Poland	48,69	32,61	43,34
21	University of Nova Gorica	Slovenia	48,34	56,74	18,67
22	University of Architecture Sofia	Bulgaria	47,34	73,85	0,00
23	Technical University of Sofia	Bulgaria	46,96	29,91	43,34
24	Technical University of Cluj-Napoca	Romania	39,04	23,56	37,33
25	University of Miskolc	Hungary	38,26	59,69	0,00
26	University of Maribor	Slovenia	36,37	56,74	0,00
27	Eastern Mediterranean University	Cyprus	35,06	54,70	0,00
28	University of Chemical Technology and Metallurgy Sofia	Bulgaria	33,61	52,43	0,00
29	Latvia University of Life Sciences and Technologies	Latvia	33,21	51,80	0,00
30	Polish Naval Academy	Poland	30,87	48,16	0,00
31	Częstochowa University Of Technology	Poland	29,78	46,45	0,00
32	Technical University of Liberec	Czech Republic	27,81	43,38	0,00
33	University of Latvia	Latvia	27,24	12,92	29,58
34	Jan Długosz University in Czestochowa	Poland	26,54	41,41	0,00
35	University of Food Technologies-Plovdiv	Bulgaria	26,49	41,32	0,00
36	University of Zielona Gora	Poland	25,89	40,39	0,00
37	Brno University of Technology	Czech Republic	25,79	21,56	18,67
38	Koszalin University of Technology	Poland	25,75	40,17	0,00
39	Technical University in Zvolen	Slovakia	25,33	39,52	0,00
40	Czech Technical University	Czech Republic	25,06	39,09	0,00
41	Radom University of Technology	Poland	23,25	36,28	0,00
42	University of Technology and Agriculture	Poland	22,50	35,10	0,00
43	Bourgas Prof. Assen Zlatarov University	Bulgaria	21,87	34,11	0,00
44	Maritime University Of Szczecin	Poland	21,45	33,46	0,00
45	Angel Kanchev" University of Ruse	Bulgaria	21,33	33,28	0,00
46	University of Bielsko-biala	Poland	21,31	33,24	0,00
47	Maria Curie-Skłodowska University	Poland	21,01	32,77	0,00
48	University of Defence in Brno	Czech Republic	20,89	32,59	0,00
49	University of Zilina	Slovakia	20,48	31,94	0,00
50	University of Pardubice	Czech Republic	19,57	30,52	0,00

EngiRank				SSR	ACCREDITATION
Quality of Teaching				10%	10%
2019 Rank	Institution	Country	Overall score	10%	10%
51	Gdynia Maritime University	Poland	19,28	30,08	0,00
52	Frederick University	Cyprus	19,17	29,91	0,00
53	Gh. Asachi Technical University	Romania	19,17	29,91	0,00
54	University of Rijeka	Croatia	19,17	29,91	0,00
55	Vilnius Gediminas Technical University	Lithuania	19,03	29,69	0,00
56	Rzeszów University of Technology	Poland	18,97	29,59	0,00
57	Riga Technical University	Latvia	18,90	10,82	18,67
58	VŠB – Technical University of Ostrava	Czech Republic	18,28	28,52	0,00
59	University of Pannonia	Hungary	18,28	28,52	0,00
60	Kaunas University of Technology	Lithuania	18,28	28,52	0,00
61	University of West Bohemia	Czech Republic	17,70	27,61	0,00
62	Main School Of Fire Service	Poland	17,51	27,32	0,00
63	Dunarea de Jos University of Galati	Romania	17,50	27,29	0,00
64	Stefan Cel Mare University	Romania	17,42	27,18	0,00
65	Military Technical Academy	Romania	17,34	27,05	0,00
66	Jan Evangelista Purkyně University in Usti nad Labem	Czech Republic	16,19	25,26	0,00
67	University of Dubrovnik	Croatia	16,19	25,26	0,00
68	Budapest University of Technology and Economics	Hungary	15,98	24,92	0,00
69	Valahia University of Targoviste	Romania	15,63	24,38	0,00
70	Cyprus University of Technology	Cyprus	15,57	24,29	0,00
71	Lucian Blaga University of Sibiu	Romania	15,03	23,44	0,00
72	Technical University of Gabrovo	Bulgaria	14,34	22,36	0,00
73	Tomas Bata University in Zlin	Czech Republic	13,89	21,67	0,00
74	Politehnica University of Timisoara	Romania	13,30	20,75	0,00
75	University of Oradea	Romania	13,30	20,75	0,00
76	Technical University of Varna	Bulgaria	12,80	19,97	0,00
77	Tallinn University of Technology	Estonia	12,47	19,45	0,00
78	University of Cyprus	Cyprus	12,37	19,30	0,00
79	University of Craiova	Romania	9,44	14,72	0,00
80	Cyprus International University	Cyprus	8,60	13,42	0,00
81	Constanta Maritime University	Romania	7,06	11,01	0,00

EngiRank Internationalization				INTS	E-OUT	E-IN	E-INTERN	ICI
2019 Rank	Institution	Country	Overall score	4%	2%	2%	2%	10%
1	University of Chemistry and Technology, Prague	Czech Republic	100,00	21,11	32,41	100,00	100,00	87,34
2	Czech Technical University	Czech Republic	97,41	20,07	27,20	67,70	57,83	100,00
3	University of Cyprus	Cyprus	97,34	12,04	73,18	60,34	81,66	90,62
4	Brno University of Technology	Czech Republic	93,33	22,94	38,70	49,85	44,64	96,96
5	Tallinn University of Technology	Estonia	91,92	15,12	35,44	74,80	57,89	91,09
6	Budapest University of Technology and Economics	Hungary	90,04	7,81	40,99	64,14	43,60	95,23
7	VŠB – Technical University of Ostrava	Czech Republic	88,43	14,11	18,04	65,01	51,09	93,34
8	Kaunas University of Technology	Lithuania	87,10	6,72	100,00	62,17	30,89	82,61
9	Slovak University of Technology	Slovakia	84,49	6,09	52,84	29,37	51,88	90,94
10	Warsaw University of Technology	Poland	84,12	6,37	24,04	33,93	36,88	98,15
11	University of Maribor	Slovenia	83,92	7,70	36,71	79,18	31,67	86,79
12	Lublin University of Technology	Poland	83,89	8,26	15,87	88,86	46,31	85,83
13	Technical University of Liberec	Czech Republic	83,76	13,09	41,81	83,78	45,65	79,67
14	University of Zilina	Slovakia	82,50	8,35	29,11	28,77	62,02	90,04
15	Lodz University of Technology	Poland	81,00	3,25	38,11	54,33	32,80	88,89
16	AGH University of Science and Technology	Poland	80,87	2,47	13,04	36,01	37,61	96,73
17	Vilnius Gediminas Technical University	Lithuania	80,44	11,00	68,76	45,32	29,32	81,36
18	Technical University of Kosice	Slovakia	80,16	14,49	43,26	13,54	47,70	87,34
19	Frederick University	Cyprus	78,27	100,00	8,24	27,82	16,81	60,78
20	University Politehnica of Bucharest	Romania	77,90	3,06	13,79	19,72	36,52	95,60
21	Gdańsk University of Technology	Poland	77,52	4,95	39,01	39,16	28,33	87,01
22	University of Latvia	Latvia	77,08	6,72	34,43	64,57	24,39	82,28
23	Wrocław University of Science and Technology	Poland	76,94	4,10	16,34	27,16	27,22	93,68
24	University of West Bohemia	Czech Republic	74,17	5,63	42,42	38,19	27,28	81,68
25	Riga Technical University	Latvia	74,16	9,16	22,70	42,01	24,13	84,07
26	Częstochowa University Of Technology	Poland	73,96	4,58	15,68	59,50	41,37	80,07
27	University of Pardubice	Czech Republic	73,18	7,81	27,07	53,61	31,20	78,60
28	Tomas Bata University in Zlin	Czech Republic	71,48	11,00	36,64	43,05	23,15	76,72
29	Eastern Mediterranean University	Cyprus	71,33	67,14	0,00	0,00	8,74	72,87
30	Białystok University of Technology	Poland	70,45	3,84	31,03	81,84	18,32	72,45
31	Poznań University of Technology	Poland	70,16	1,90	27,34	25,41	21,86	84,13
32	West Pomeranian University of Technology	Poland	69,69	2,20	16,90	61,57	26,57	77,26
33	Cyprus University of Technology	Cyprus	68,90	8,87	10,99	15,42	60,76	77,03
34	Silesian University of Technology	Poland	67,90	1,13	15,90	12,48	21,95	86,08
35	Gh. Asachi Technical University	Romania	66,52	3,92	3,81	7,79	23,11	86,12
36	Cracow University of Technology	Poland	66,33	2,52	17,41	53,26	14,25	76,37
37	Technical University of Cluj-Napoca	Romania	65,58	1,15	10,11	7,89	19,39	85,36
38	Politehnica University of Timisoara	Romania	65,57	3,41	14,37	10,44	23,73	82,21
39	Jan Evangelista Purkyně University in Usti nad Labem	Czech Republic	64,36	23,06	31,20	39,82	11,58	65,81
40	Military University of Technology Warsaw	Poland	63,99	0,44	15,15	8,04	35,12	79,20
41	Opole University of Technology	Poland	62,43	7,76	17,91	49,59	18,02	68,61
42	Maria Curie-Skłodowska University	Poland	61,90	8,96	12,45	12,47	10,22	77,44
43	University of Chemical Technology and Metallurgy Sofia	Bulgaria	61,54	5,09	8,88	3,09	45,30	74,06
44	Transilvania University of Brasov	Romania	61,15	3,92	15,07	18,67	11,18	76,45
45	Jan Długosz University in Czestochowa	Poland	59,17	3,80	0,00	2,38	37,07	74,76
46	University of Rijeka	Croatia	59,07		20,87	26,09	8,57	72,92
47	Dunarea de Jos University of Galati	Romania	59,05	20,82	7,12	10,23	10,24	70,16
48	Technical University in Zvolen	Slovakia	57,70	4,47	33,49	6,91	33,37	65,54

EngiRank Internationalization				INTS	E-OUT	E-IN	E-INTERN	ICI
2019 Rank	Institution	Country	Overall score	4%	2%	2%	2%	10%
49	Rzeszów University of Technology	Poland	57,45	1,32	10,69	11,77	12,75	74,16
50	University of Zielona Gora	Poland	57,44	0,84	8,04	10,59	16,30	74,39
51	University of Pannonia	Hungary	57,20	7,26	4,62	5,19	12,89	73,92
52	Technical University of Sofia	Bulgaria	57,07	1,04	7,61	4,95	10,88	76,09
53	Alexander Dubcek University of Trencin	Slovakia	56,23	26,23	44,03	17,31	14,39	54,35
54	Latvia University of Life Sciences and Technologies	Latvia	54,00	2,58	58,21	29,27	10,77	56,14
55	Koszalin University of Technology	Poland	53,83	0,54	3,14	27,03	20,87	66,16
56	University of Miskolc	Hungary	53,49	4,50	6,81	13,77	11,55	67,87
57	University of Defence in Brno	Czech Republic	52,98	16,60	2,90	13,12	7,14	64,10
58	University of Nova Gorica	Slovenia	52,50	7,70	0,33	1,14	8,71	69,58
59	Kielce University Of Technology	Poland	51,72	2,35	8,24	18,62	13,34	64,60
60	University of Technology and Agriculture	Poland	48,84	0,88	14,70	67,64	4,38	51,78
61	University of Craiova	Romania	46,35	2,51	7,18	5,04	2,38	62,02
62	University of Dubrovnik	Croatia	46,20		14,18	74,44	7,83	46,44
63	Stefan Cel Mare University	Romania	45,83	7,92	20,05	8,66	4,62	55,37
64	University of Bielsko-biala	Poland	45,62	0,41	6,50	28,26	9,20	55,95
65	University of Oradea	Romania	45,28	5,47	9,62	13,12	2,37	57,21
66	Gdynia Maritime University	Poland	44,68	1,40	24,95	22,92	6,97	52,04
67	Cyprus International University	Cyprus	43,76	28,10	0,00	0,00	1,57	50,70
68	Lucian Blaga University of Sibiu	Romania	43,65	3,06	12,02	5,19	1,99	57,03
69	Technical University of Varna	Bulgaria	42,10	3,18	2,07	3,63	7,62	55,95
70	Military Technical Academy	Romania	41,08	0,49	0,00	1,55	23,44	53,24
71	Angel Kanchev" University of Ruse	Bulgaria	40,80	2,86	13,81	11,51	4,25	50,98
72	University of Architecture Sofia	Bulgaria	40,44	5,09	22,75	23,50	5,09	45,22
73	Radom University of Technology	Poland	38,70	2,06	9,30	4,80	6,44	50,13
74	Valahia University of Targoviste	Romania	37,97	0,98	6,34	0,00	4,16	51,52
75	Maritime University Of Szczecin	Poland	37,52	11,94	10,99	0,00	5,88	45,22
76	University of Food Technologies-Plovdiv	Bulgaria	35,02	3,27	3,64	3,15	3,57	46,44
77	Bourgas Prof. Assen Zlatarov University	Bulgaria	33,45	2,50	0,93	1,20	2,56	45,64
78	Constanta Maritime University	Romania	33,33	8,79	3,92	0,00	3,60	42,39
79	Polish Naval Academy	Poland	33,05	0,46	66,25	1,07	3,25	32,72
80	Technical University of Gabrovo	Bulgaria	32,97	2,13	1,05	1,02	2,10	45,22
81	Main School Of Fire Service	Poland	22,80	0,72	12,93	0,97	2,14	28,94


4.

EngiRank 2019 *Rankings by Subject*

Chemical Engineering	30
Civil Engineering	33
Electrical, Electronic & Information Engineering....	34
Environmental Engineering	36
Materials Engineering	37
Mechanical Engineering.....	40
Medical Engineering	43

EngiRank Chemical Engineering				RESEARCH EFFECTIVENESS 20%					TEACHING 20%
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCREDITATION
				15%	15%	15%	15%	20%	20%
1	Peter Pazmany Catholic University	Hungary	100,00	100,00	71,33	100,00	100,00	28,01	0,00
2	University of Chemistry and Technology, Prague	Czech Republic	95,42	53,41	49,97	43,02	58,26	38,99	100,00
3	Jagiellonian University in Kraków	Poland	90,53	43,28	81,34	61,05	62,61	13,87	77,40
4	Warsaw University of Technology	Poland	89,88	49,75	46,67	48,84	42,20	41,33	93,58
5	University of Ljubljana	Slovenia	87,89	46,80	58,21	71,51	80,28	43,46	33,33
6	Adam Mickiewicz University in Poznań	Poland	84,87	51,86	66,02	57,56	48,39	92,26	0,00
7	University of Tartu	Estonia	83,50	36,47	97,00	83,72	99,54	18,38	0,00
7	University of Cyprus	Cyprus	83,37	49,12	100,00	86,05	83,94	16,19	0,00
7	Budapest University of Technology and Economics	Hungary	83,13	50,24	58,12	84,88	62,84	62,72	0,00
10	Palacký University Olomouc	Czech Republic	81,31	46,67	98,76	77,91	87,84	15,84	0,00
10	Eotvos Lorand University	Hungary	81,28	37,45	84,44	68,02	84,86	43,05	0,00
12	Silesian University of Technology	Poland	80,00	53,74	42,63	55,23	68,35	27,41	52,83
13	University of Pannonia	Hungary	77,97	63,40	49,85	71,51	61,01	54,65	0,00
14	Sofia University St. Kliment Ohridski	Bulgaria	77,14	52,97	55,83	41,28	37,61	95,69	0,00
15	Babes-Bolyai University	Romania	74,88	57,66	86,67	84,30	67,43	7,47	0,00
15	University of Maribor	Slovenia	74,78	62,26	61,77	70,35	59,17	39,06	0,00
17	Jan Dlugosz University in Czestochowa	Poland	73,96	55,96	83,34	88,37	39,45	26,34	0,00
18	University of Primorska	Slovenia	72,56	55,24	72,02	65,70	80,28	17,47	0,00
18	University of Warsaw	Poland	72,49	45,51	57,00	51,16	86,47	42,07	0,00
20	University of Nova Gorica	Slovenia	71,54	59,16	63,02	75,58	76,38	13,68	0,00
20	Vilnius University	Lithuania	71,53	39,46	74,83	60,47	85,32	24,18	0,00
22	University of Latvia	Latvia	71,02	45,04	30,96	62,21	57,34	18,19	52,83
23	Cyprus University of Technology	Cyprus	69,84	36,59	66,67	67,44	97,02	13,27	0,00
24	University of Gdańsk	Poland	69,19	40,63	84,60	67,44	69,04	15,80	0,00
25	Gdańsk University of Technology	Poland	68,66	51,39	72,11	76,74	64,22	12,10	0,00
26	University of Malta	Malta	66,51	40,91	52,22	81,40	55,50	31,33	0,00
27	Eastern Mediterranean University	Cyprus	65,54	58,60	78,52	81,40	49,31	0,00	0,00
28	Vilnius Gediminas Technical University	Lithuania	64,25	39,79	62,23	98,84	61,70	0,00	0,00
29	Semmelweis University	Hungary	63,38	24,99	50,60	40,70	9,40	100,00	0,00
30	University of South Bohemia	Czech Republic	62,61	35,39	62,19	65,70	70,18	16,81	0,00
31	Tallinn University of Technology	Estonia	61,71	40,04	51,50	63,95	81,42	11,46	0,00
31	University of Bucharest	Romania	61,42	47,22	73,24	52,91	54,82	17,13	0,00
31	West University of Timisoara	Romania	61,30	48,84	48,34	50,58	50,46	39,22	0,00
31	University of Split	Croatia	61,00	40,99	37,69	51,16	59,63	44,88	0,00
31	Masaryk University	Czech Republic	60,85	38,46	68,60	58,72	69,27	10,24	0,00
31	Opole University of Technology	Poland	60,76	68,99	45,24	78,49	41,51	10,57	0,00
37	University of Szeged	Hungary	60,23	39,15	56,28	76,16	50,23	18,25	0,00
37	University of Zagreb	Croatia	59,98	44,17	40,06	48,84	43,81	51,18	0,00
39	Charles University	Czech Republic	59,50	38,40	68,61	58,72	52,29	18,85	0,00
40	Al. I. Cuza University	Romania	57,79	40,38	64,15	65,12	66,51	0,00	0,00
40	Maria Curie-Sklodowska University	Poland	57,76	65,71	65,71	54,65	43,81	4,63	0,00
40	Kaunas University of Technology	Lithuania	57,70	41,62	44,71	49,42	70,18	22,41	0,00
40	University Politehnica of Bucharest	Romania	57,55	45,52	42,22	50,58	49,77	35,33	0,00
44	Corvinus University of Budapest	Hungary	57,00	39,29	48,17	51,74	73,62	15,08	0,00
44	University of Pardubice	Czech Republic	56,97	47,26	63,27	50,58	47,94	17,83	0,00
44	Poznań University of Technology	Poland	56,75	56,54	48,57	77,91	38,30	7,96	0,00
44	Kielce University Of Technology	Poland	56,56	53,02	49,11	65,70	63,30	0,00	0,00
48	University of Wrocław	Poland	55,87	45,77	68,08	51,16	63,30	0,00	0,00
49	Cracow University of Technology	Poland	54,89	62,28	48,13	50,00	46,56	13,02	0,00
49	Comenius University	Slovakia	54,81	35,01	54,25	46,51	31,19	9,44	33,33

EngiRank Chemical Engineering				RESEARCH EFFECTIVENESS 20%					TEACHING 20%
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCREDITED
				15%	15%	15%	15%	20%	20%
51	University of Silesia in Katowice	Poland	54,25	44,31	58,20	47,67	60,78	8,06	0,00
51	University of West Bohemia	Czech Republic	54,10	49,50	38,30	48,26	54,59	22,85	0,00
51	AGH University of Science and Technology	Poland	54,10	51,96	41,02	51,74	43,35	24,76	0,00
54	University of Zielona Gora	Poland	53,79	60,25	31,68	50,00	40,83	27,79	0,00
55	Transilvania University of Brasov	Romania	53,43	42,85	53,92	67,44	54,13	0,00	0,00
55	Wrocław Medical University	Poland	53,26	37,73	64,96	47,67	34,17	24,86	0,00
55	Josip Juraj Strossmayer University of Osijek	Croatia	53,00	40,32	50,13	56,98	45,18	18,01	0,00
58	Lublin University of Technology	Poland	52,37	57,41	48,27	72,67	24,77	8,17	0,00
59	University of Rijeka	Croatia	51,83	40,41	35,43	54,65	58,26	17,30	0,00
60	Slovak University of Technology	Slovakia	51,45	44,48	35,07	43,02	28,44	11,12	33,33
61	Wrocław University of Science and Technology	Poland	50,94	49,90	49,26	52,33	48,62	6,04	0,00
61	Częstochowa University Of Technology	Poland	50,76	51,11	42,79	53,49	42,89	12,88	0,00
63	Tomas Bata University in Zlin	Czech Republic	50,46	45,71	42,69	46,51	46,79	18,38	0,00
63	Czech Technical University	Czech Republic	50,33	41,81	30,21	47,09	47,94	28,99	0,00
65	Politehnica University of Timisoara	Romania	49,86	41,63	41,72	56,40	46,33	13,27	0,00
66	Military University of Technology Warsaw	Poland	49,53	45,76	36,89	45,93	32,80	30,78	0,00
66	Gh. Asachi Technical University	Romania	49,35	45,97	52,17	58,14	45,41	0,00	0,00
68	Riga Technical University	Latvia	48,97	40,89	26,62	55,81	73,17	2,74	0,00
68	West Pomeranian University of Technology	Poland	48,86	53,17	47,39	57,56	32,57	6,76	0,00
70	Jan Evangelista Purkyně University in Usti nad Labem	Czech Republic	48,57	69,44	34,89	50,00	32,34	8,87	0,00
70	Technical University of Cluj-Napoca	Romania	48,49	42,66	40,15	59,88	31,19	18,19	0,00
70	Koszalin University of Technology	Poland	48,24	54,04	38,79	65,12	39,22	0,00	0,00
70	Nicolaus Copernicus University in Toruń	Poland	48,14	51,56	56,65	47,67	36,93	2,96	0,00
70	P. J. Safarik University	Slovakia	48,02	36,53	62,70	57,56	39,45	0,00	0,00
75	Rzeszów University of Technology	Poland	47,74	55,07	35,89	55,81	33,26	11,31	0,00
76	Jan Kochanowski University in Kielce	Poland	46,78	56,35	44,64	37,21	52,98	0,00	0,00
76	Brno University of Technology	Czech Republic	46,57	46,88	34,27	47,09	46,33	11,82	0,00
76	Lodz University of Technology	Poland	46,37	53,19	36,68	41,28	32,57	19,33	0,00
76	Medical University of Gdańsk	Poland	46,32	30,90	58,07	74,42	25,92	0,00	0,00
76	Jagiellonian University Medical College	Poland	46,24	26,03	59,35	65,70	24,31	10,20	0,00
81	Iuliu Hatieganu University of Medicine and Pharmacy	Romania	45,60	31,32	66,28	56,40	32,34	0,00	0,00
82	University of Łódź	Poland	45,01	43,41	52,35	43,60	32,57	9,00	0,00
82	Medical University of Lublin	Poland	44,78	31,03	43,24	69,77	21,56	13,07	0,00
82	Czech University of Life Sciences Prague	Czech Republic	44,59	55,53	26,37	55,23	41,06	3,02	0,00
82	Wrocław University of Environmental and Life Sciences	Poland	44,52	42,01	50,13	44,77	27,52	13,14	0,00
82	Radom University of Technology	Poland	44,32	56,55	36,56	54,07	33,94	0,00	0,00
87	Mendel University in Brno	Czech Republic	43,44	38,00	54,35	43,02	31,19	8,21	0,00
87	Białystok University of Technology	Poland	43,37	56,71	22,90	51,74	45,87	0,00	0,00
89	Dunarea de Jos University of Galati	Romania	42,71	43,92	43,37	39,53	39,91	5,86	0,00
90	University of Pecs	Hungary	41,92	29,50	42,69	37,21	61,93	0,00	0,00
90	University of Debrecen	Hungary	41,86	27,61	49,79	55,81	37,84	0,00	0,00
92	University of Zilina	Slovakia	41,64	53,32	30,56	40,12	28,67	13,11	0,00
93	Medical University of Warsaw	Poland	40,10	31,43	49,85	42,44	15,37	18,58	0,00
93	Technical University of Sofia	Bulgaria	40,01	41,64	20,84	46,51	42,20	9,24	0,00
95	University of Medical Sciences Poznan	Poland	39,27	29,61	42,00	42,44	25,23	15,90	0,00
95	University of Chemical Technology and Metallurgy Sofia	Bulgaria	39,24	56,73	27,48	26,16	24,54	19,09	0,00
97	VŠB – Technical University of Ostrava	Czech Republic	39,02	44,55	29,10	39,53	32,11	10,62	0,00
98	Latvia University of Life Sciences and Technologies	Latvia	37,53	56,17	8,33	50,58	38,30	0,00	0,00
99	Technical University of Kosice	Slovakia	36,28	47,26	20,99	36,63	13,53	22,39	0,00
100	Szent Istvan University	Hungary	35,97	30,19	21,67	34,88	34,40	19,39	0,00

 Chemical Engineering				RESEARCH EFFECTIVENESS 20%				TEACHING 20%	
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCRE
				15%	15%	15%	15%	20%	20%
100	University of Warmia and Mazury in Olsztyn	Poland	35,96	41,14	36,34	48,84	20,64	0,00	0,00
102	Technical University of Liberec	Czech Republic	35,55	60,41	27,20	32,56	18,12	5,26	0,00
102	University of Bielsko-biala	Poland	35,45	57,58	36,67	29,07	6,19	11,53	0,00
104	University of Defence in Brno	Czech Republic	35,18	45,42	39,86	51,16	7,34	0,00	0,00
105	University of Hradec Kralove	Czech Republic	34,52	56,72	20,37	51,16	12,84	0,00	0,00
105	University of Opole	Poland	34,46	41,78	34,02	24,42	40,60	0,00	0,00
105	Medical University of Łódź	Poland	34,38	34,01	46,53	29,07	16,97	10,44	0,00
108	University of Agriculture in Krakow	Poland	34,17	39,33	27,84	48,84	23,62	0,00	0,00
108	University of Miskolc	Hungary	34,06	52,27	22,36	43,02	21,56	0,00	0,00
110	University of Rzeszów	Poland	33,64	39,22	27,50	50,58	20,18	0,00	0,00
111	Warsaw University of Life Sciences	Poland	33,31	42,70	32,37	34,30	17,89	6,66	0,00
112	Poznań University Of Life Sciences	Poland	32,52	41,75	38,31	40,70	12,16	0,00	0,00
113	Kazimierz Wielki University	Poland	32,28	53,67	24,08	30,81	3,90	14,59	0,00
114	University of Life Sciences in Lublin	Poland	32,11	46,43	25,98	37,21	13,99	5,71	0,00
115	University of Technology and Agriculture	Poland	31,70	48,15	26,22	27,91	27,29	0,00	0,00
115	Technical University in Zvolen	Slovakia	31,61	47,61	20,87	37,79	22,94	0,00	0,00
117	Lucian Blaga University of Sibiu	Romania	20,18	51,89	11,18	16,86	2,52	0,00	0,00

EngiRank Civil Engineering				RESEARCH EFFECTIVENESS 20%					TEACHING 20%
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCRE
				15%	15%	15%	15%	20%	20%
1	Silesian University of Technology	Poland	100,00	59,23	60,55	72,97	64,41	100,00	59,43
2	University of Ljubljana	Slovenia	96,09	62,95	55,06	72,97	86,77	30,23	100,00
3	Lodz University of Technology	Poland	87,47	100,00	52,38	59,46	100,00	14,86	59,43
4	Cyprus University of Technology	Cyprus	86,32	87,30	100,00	90,81	78,74	36,47	0,00
5	Cracow University of Technology	Poland	77,04	88,40	31,93	50,27	47,87	19,01	88,55
6	Riga Technical University	Latvia	75,07	51,56	68,76	74,05	56,38	76,40	0,00
7	Wroclaw University of Science and Technology	Poland	69,22	65,30	49,76	57,84	54,80	32,52	40,57
8	Lublin University of Technology	Poland	68,27	90,92	70,66	77,84	81,26	0,00	0,00
9	West Pomeranian University of Technology	Poland	67,47	68,32	57,96	67,57	68,98	0,00	40,57
10	Poznań University of Technology	Poland	65,65	68,49	46,14	65,95	73,70	0,00	40,57
11	University Politehnica of Bucharest	Romania	64,27	38,75	59,22	90,27	78,74	26,20	0,00
11	University of Zagreb	Croatia	64,27	64,71	40,88	62,70	38,74	30,57	40,57
11	Tallinn University of Technology	Estonia	64,25	63,61	63,68	83,78	77,17	10,18	0,00
14	Gdańsk University of Technology	Poland	62,60	68,61	31,32	69,73	52,76	13,16	40,57
15	Josip Juraj Strossmayer University of Osijek	Croatia	58,95	62,62	48,96	49,19	60,79	41,52	0,00
16	University of Cyprus	Cyprus	57,83	91,90	40,27	58,38	68,98	9,09	0,00
16	Military University of Technology Warsaw	Poland	57,71	60,15	30,04	48,11	52,44	19,70	40,57
18	AGH University of Science and Technology	Poland	57,40	47,62	52,55	55,14	63,31	38,28	0,00
19	Opole University of Technology	Poland	56,67	77,24	44,22	82,70	62,05	0,00	0,00
20	University of Maribor	Slovenia	55,40	56,50	65,18	64,86	73,70	0,00	0,00
21	Rzeszów University of Technology	Poland	53,42	66,42	36,94	100,00	47,56	0,00	0,00
22	Brno University of Technology	Czech Republic	52,78	50,40	38,54	68,11	60,63	22,68	0,00
23	Warsaw University of Technology	Poland	50,86	63,00	45,44	62,16	50,39	13,43	0,00
24	Politehnica University of Timisoara	Romania	49,37	59,61	57,72	58,38	56,22	0,00	0,00
25	University of Zielona Gora	Poland	48,58	92,99	32,30	41,08	37,01	18,61	0,00
26	Technical University of Kosice	Slovakia	48,08	47,73	21,38	28,65	24,88	26,20	51,19
27	University of Split	Croatia	47,40	49,06	41,61	62,70	51,02	13,70	0,00
28	Charles University	Czech Republic	46,20	44,90	40,04	77,84	29,76	18,36	0,00
29	Vilnius Gediminas Technical University	Lithuania	45,93	65,01	47,73	45,41	39,84	13,34	0,00
30	Slovak University of Technology	Slovakia	43,62	45,90	15,65	29,19	39,84	30,16	25,60
31	Eastern Mediterranean University	Cyprus	43,27	65,84	30,36	37,84	34,96	25,70	0,00
31	University of Rijeka	Croatia	43,06	54,83	39,30	39,46	48,82	14,91	0,00
33	Kaunas University of Technology	Lithuania	42,60	43,68	30,72	50,27	75,43	0,00	0,00
34	Białystok University of Technology	Poland	41,94	67,16	38,12	43,24	48,50	0,00	0,00
34	Czech Technical University	Czech Republic	41,89	67,90	18,99	38,38	37,80	25,28	0,00
36	Budapest University of Technology and Economics	Hungary	41,61	71,85	27,23	44,86	33,39	13,59	0,00
37	Technical University of Cluj-Napoca	Romania	41,08	53,60	23,64	28,65	87,09	0,00	0,00
38	Kielce University Of Technology	Poland	39,67	78,21	30,15	35,14	42,83	0,00	0,00
39	Szent Istvan University	Hungary	39,11	65,62	18,33	28,11	71,65	0,00	0,00
40	University of West Bohemia	Czech Republic	35,74	46,54	17,77	38,38	65,20	0,00	0,00
41	Technical University of Liberec	Czech Republic	32,49	46,59	12,89	34,05	59,06	0,00	0,00
42	University of Warmia and Mazury in Olsztyn	Poland	31,82	47,73	35,91	43,78	22,05	0,00	0,00
43	University of Zilina	Slovakia	30,35	44,98	22,63	48,65	26,30	0,00	0,00
44	VŠB - Technical University of Ostrava	Czech Republic	25,27	48,62	16,44	38,38	15,28	0,00	0,00
45	University of Pecs	Hungary	24,95	73,48	15,09	14,59	14,02	0,00	0,00
46	Warsaw University of Life Sciences	Poland	19,41	48,04	15,20	20,54	7,40	0,00	0,00
47	University of Defence in Brno	Czech Republic	16,09	38,90	12,92	17,30	6,46	0,00	0,00

EngiRank Electrical, Electronic & Information Engineering				RESEARCH EFFECTIVENESS 20%					TEACHING 20%
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCREDITED
				15%	15%	15%	15%	20%	20%
1	University of Cyprus	Cyprus	100,00	71,59	100,00	82,36	88,33	36,51	0,00
2	University of Zagreb	Croatia	95,98	53,79	69,18	58,96	77,48	86,88	0,00
3	Lodz University of Technology	Poland	94,43	68,90	56,45	43,62	51,32	11,66	100,00
3	Military University of Technology Warsaw	Poland	94,02	71,80	52,32	48,96	15,23	40,89	93,58
5	Warsaw University of Technology	Poland	93,47	66,26	55,76	44,89	51,86	32,60	77,40
6	Silesian University of Technology	Poland	90,76	58,94	58,64	45,72	58,15	22,63	77,40
6	Gdańsk University of Technology	Poland	90,58	67,80	64,09	49,35	61,39	6,22	77,40
8	University of Warsaw	Poland	89,92	45,13	69,19	42,34	61,57	100,00	0,00
9	Białystok University of Technology	Poland	89,38	80,96	47,75	37,89	42,51	5,25	100,00
10	Wrocław University of Science and Technology	Poland	87,59	64,73	61,64	43,62	56,89	33,83	52,83
10	AGH University of Science and Technology	Poland	87,21	60,62	57,67	41,91	56,89	40,07	52,83
12	University of Nicosia	Cyprus	83,78	94,91	76,67	61,35	84,42	7,65	0,00
13	Lublin University of Technology	Poland	79,92	88,47	48,49	50,53	16,44	4,00	77,40
13	University of Zielona Gora	Poland	79,76	76,21	71,92	60,00	69,73	25,47	0,00
13	Frederick University	Cyprus	79,74	66,45	93,08	69,93	71,77	7,91	0,00
16	University of Tartu	Estonia	77,65	47,00	80,00	58,26	64,40	40,42	0,00
17	Jagiellonian University in Kraków	Poland	76,41	36,86	64,64	50,91	55,56	15,23	52,83
17	University Politehnica of Bucharest	Romania	76,12	59,90	45,42	43,62	39,57	15,15	66,67
17	Tallinn University of Technology	Estonia	75,98	63,30	68,77	62,69	79,97	16,73	0,00
17	Eastern Mediterranean University	Cyprus	75,63	61,65	85,84	62,69	78,28	5,42	0,00
21	Jan Długosz University in Częstochowa	Poland	75,06	85,82	72,65	45,31	20,77	51,69	0,00
22	University of Wrocław	Poland	74,38	45,42	79,79	82,10	58,75	18,55	0,00
22	Budapest University of Technology and Economics	Hungary	74,31	57,05	56,03	53,94	68,17	41,50	0,00
22	University of Pannonia	Hungary	74,24	41,91	76,16	68,72	77,75	19,29	0,00
22	University of Debrecen	Hungary	73,96	38,49	91,54	58,96	70,47	22,26	0,00
26	Cyprus University of Technology	Cyprus	72,55	60,40	66,26	54,31	68,83	25,38	0,00
26	Poznań University of Technology	Poland	72,49	62,90	66,64	49,35	62,10	31,82	0,00
28	University of Ljubljana	Slovenia	68,32	51,55	72,43	47,76	71,54	17,86	0,00
29	Poznań University Of Life Sciences	Poland	67,79	42,69	83,23	100,00	39,11	0,00	0,00
29	Josip Juraj Strossmayer University of Osijek	Croatia	67,61	57,80	47,44	39,70	75,79	32,70	0,00
29	Maria Curie-Skłodowska University	Poland	67,42	64,15	64,49	42,34	58,15	25,84	0,00
32	Technical University of Cluj-Napoca	Romania	67,03	58,50	53,87	48,16	63,61	28,44	0,00
32	Politehnica University of Timisoara	Romania	66,72	54,01	61,58	47,36	64,56	24,99	0,00
34	University of Maribor	Slovenia	65,98	52,23	71,41	46,54	78,80	6,73	0,00
34	Czech Technical University	Czech Republic	65,98	60,65	61,74	48,56	56,67	22,73	0,00
36	Cracow University of Technology	Poland	65,17	59,52	56,60	52,44	58,15	21,04	0,00
37	Riga Technical University	Latvia	64,81	61,08	50,76	56,49	68,17	12,64	0,00
37	University of Maribor - Faculty of Electrical Engineering and Computer Science	Slovenia	64,77	53,81	68,35	41,47	77,30	9,21	0,00
39	Brno University of Technology	Czech Republic	64,37	57,10	62,55	55,04	57,53	14,57	0,00
40	Nicolaus Copernicus University in Toruń	Poland	63,94	51,33	58,72	44,89	42,90	39,11	0,00
41	University of Split	Croatia	63,04	52,35	60,77	41,03	67,63	18,50	0,00
41	Vilnius University	Lithuania	62,76	40,70	70,28	50,14	56,67	20,67	0,00
41	Gdynia Maritime University	Poland	62,62	100,00	51,88	48,16	44,77	0,00	0,00
41	University of Gdańsk	Poland	62,60	40,40	82,22	62,02	60,11	0,00	0,00
41	Comenius University	Slovakia	62,53	41,94	58,20	42,34	74,80	20,38	0,00
46	Technical University of Sofia	Bulgaria	61,75	63,33	31,29	33,64	38,18	3,40	52,83
47	Masaryk University	Czech Republic	61,28	38,87	72,23	51,68	70,95	4,37	0,00
48	Opole University of Technology	Poland	60,87	60,07	68,95	60,68	42,51	4,32	0,00
49	Peter Pazmany Catholic University	Hungary	59,84	58,70	53,01	36,96	65,18	15,07	0,00
49	Transilvania University of Brasov	Romania	59,73	57,54	55,34	44,05	60,48	12,08	0,00

2019 Rank	Institution	Country	Overall score	RESEARCH EFFECTIVENESS 20%					TEACHING 20%
				PUB	CIT	FWCI	TOP10	COL	ACCRE
				15%	15%	15%	15%	20%	20%
51	University of Chemistry and Technology, Prague	Czech Republic	58,50	44,97	57,21	41,03	65,48	15,02	0,00
51	University of Defence in Brno	Czech Republic	58,48	69,07	55,73	53,57	44,77	4,12	0,00
51	Częstochowa University Of Technology	Poland	58,43	81,21	58,03	38,80	30,39	15,01	0,00
51	Koszalin University of Technology	Poland	58,37	71,77	49,49	43,62	40,87	16,82	0,00
51	University of Malta	Malta	58,20	50,91	50,43	47,76	60,30	13,61	0,00
51	Eotvos Lorand University	Hungary	58,15	35,32	58,20	50,53	71,89	8,56	0,00
57	Charles University	Czech Republic	57,80	41,51	61,29	43,62	59,54	15,00	0,00
57	University of West Bohemia	Czech Republic	57,79	65,58	43,07	41,47	63,77	9,04	0,00
59	Gh. Asachi Technical University	Romania	57,32	65,57	42,86	41,03	51,05	17,70	0,00
60	University of Łódź	Poland	56,99	49,32	58,35	37,89	63,77	10,12	0,00
60	University of Rijeka	Croatia	56,77	48,03	50,21	41,91	70,95	8,13	0,00
62	Stefan Cel Mare University	Romania	56,25	68,25	58,30	56,13	37,21	0,00	0,00
63	Dunarea de Jos University of Galati	Romania	55,94	57,11	66,78	44,05	50,77	0,00	0,00
64	Al. I. Cuza University	Romania	55,27	45,49	62,43	37,43	62,61	6,10	0,00
65	Angel Kanchev" University of Ruse	Bulgaria	54,91	51,55	26,63	36,50	100,00	0,00	0,00
66	Babes-Bolyai University	Romania	54,58	37,48	69,26	42,77	54,63	6,92	0,00
66	West Pomeranian University of Technology	Poland	54,43	61,48	59,68	44,47	29,72	13,07	0,00
68	University of Bucharest	Romania	53,94	45,40	51,97	33,16	63,11	12,94	0,00
68	University of Warmia and Mazury in Olsztyn	Poland	53,76	40,86	62,31	42,77	64,25	0,00	0,00
68	University of Pardubice	Czech Republic	53,68	55,91	48,03	39,25	52,13	10,92	0,00
71	Valahia University of Targoviste	Romania	52,78	52,35	51,40	46,13	47,48	6,73	0,00
71	West University of Timisoara	Romania	52,70	40,48	56,98	43,20	53,41	8,99	0,00
71	University of Rzeszów	Poland	52,51	53,74	40,64	28,63	58,15	18,08	0,00
71	VŠB – Technical University of Ostrava	Czech Republic	52,35	58,11	56,76	46,13	34,60	6,79	0,00
75	Palacký University Olomouc	Czech Republic	51,72	43,20	66,37	49,75	42,90	0,00	0,00
76	University of Silesia in Katowice	Poland	51,24	40,09	65,64	41,91	43,29	7,06	0,00
77	Sofia University St. Kliment Ohridski	Bulgaria	50,90	49,56	50,45	48,96	36,71	9,98	0,00
78	University of Latvia	Latvia	49,92	45,26	64,89	43,62	28,32	9,80	0,00
79	Adam Mickiewicz University in Poznań	Poland	48,87	44,56	61,13	37,89	47,48	0,00	0,00
80	Vilnius Gediminas Technical University	Lithuania	48,53	50,03	54,30	36,96	48,43	0,00	0,00
80	Technical University of Kosice	Slovakia	48,32	52,51	52,25	47,36	31,04	4,31	0,00
80	Rzeszów University of Technology	Poland	48,24	65,72	45,50	30,68	33,47	9,91	0,00
83	Technical University of Varna	Bulgaria	47,16	65,41	28,92	33,16	56,89	0,00	0,00
84	Szent Istvan University	Hungary	46,58	45,49	38,74	33,16	64,72	0,00	0,00
84	Kaunas University of Technology	Lithuania	46,44	37,35	49,93	33,64	52,65	5,99	0,00
84	Grigore T. Popa University of Medicine and Pharmacy	Romania	46,44	53,78	49,29	50,53	0,00	20,97	0,00
87	Slovak University of Technology	Slovakia	46,19	49,41	45,33	33,64	46,83	4,02	0,00
88	University of Plovdiv "Paisii Hilendarski"	Bulgaria	45,60	45,71	43,63	37,43	33,47	13,52	0,00
89	Warsaw University of Life Sciences	Poland	44,68	47,62	56,56	46,95	23,56	0,00	0,00
90	University of Szeged	Hungary	43,90	37,93	47,03	29,15	50,49	5,26	0,00
91	P. J. Safarik University	Slovakia	43,60	38,54	56,23	28,63	28,32	14,05	0,00
91	University of Zilina	Slovakia	43,56	67,62	44,65	42,77	0,00	11,44	0,00
93	University of Technology and Agriculture	Poland	42,73	55,53	47,71	32,17	0,00	23,72	0,00
94	Tomas Bata University in Zlin	Czech Republic	38,91	47,15	43,41	24,37	37,21	0,00	0,00
95	Kielce University Of Technology	Poland	37,64	62,39	32,58	28,63	23,56	0,00	0,00
95	Military Technical Academy	Romania	37,56	60,13	36,05	31,18	0,00	14,61	0,00
97	University of Oradea	Romania	33,62	53,23	41,91	30,17	0,00	4,59	0,00
98	University of Craiova	Romania	33,45	62,69	33,00	35,08	0,00	0,00	0,00
99	Technical University of Liberec	Czech Republic	31,53	41,41	28,66	27,06	17,60	6,41	0,00
100	Carol Davila University of Medicine and Pharmacy	Romania	25,54	46,30	31,41	22,14	0,00	0,00	0,00
100	Constanta Maritime University	Romania	25,44	59,01	20,03	20,43	0,00	0,00	0,00

 Environmental Engineering				RESEARCH EFFECTIVENESS 20%					TEACHING 20%
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCRE
				15%	15%	15%	15%	20%	20%
1	AGH University of Science and Technology	Poland	100,00	54,48	42,44	62,43	57,79	34,66	100,00
2	Warsaw University of Technology	Poland	94,90	60,78	39,95	52,98	70,92	13,88	100,00
2	University of Pannonia	Hungary	94,60	60,04	100,00	100,00	55,35	44,90	0,00
4	University of Ljubljana	Slovenia	92,18	53,85	46,32	55,55	40,53	27,06	100,00
4	University of Chemistry and Technology, Prague	Czech Republic	91,82	42,67	67,74	66,60	100,00	65,43	0,00
6	Poznań University of Technology	Poland	91,35	59,67	60,70	77,32	94,75	52,45	0,00
7	University of Zagreb	Croatia	87,83	82,50	29,90	61,77	40,90	100,00	0,00
8	University Politehnica of Bucharest	Romania	76,41	54,36	25,81	58,38	53,66	20,09	63,09
9	University of Warsaw	Poland	73,70	42,86	68,33	64,70	92,31	18,12	0,00
9	Cyprus University of Technology	Cyprus	73,63	76,10	79,49	63,74	48,59	18,12	0,00
11	Brno University of Technology	Czech Republic	70,56	52,94	34,82	71,71	71,48	36,72	0,00
12	University of Tartu	Estonia	66,01	46,37	60,87	72,29	48,41	25,43	0,00
12	Technical University of Cluj-Napoca	Romania	65,78	45,66	34,37	67,83	67,92	33,86	0,00
14	Charles University	Czech Republic	65,38	43,98	57,39	65,02	75,98	12,74	0,00
15	University of Cyprus	Cyprus	64,15	75,98	34,23	59,07	45,59	29,71	0,00
15	Wrocław University of Science and Technology	Poland	63,94	59,54	44,36	52,23	51,97	34,14	0,00
17	Gdynia Maritime University	Poland	63,02	100,00	22,90	50,32	45,78	23,24	0,00
17	Cracow University of Technology	Poland	62,77	49,21	49,72	59,75	69,23	15,80	0,00
19	Vilnius Gediminas Technical University	Lithuania	62,34	64,45	68,19	90,65	24,02	0,00	0,00
20	Lodz University of Technology	Poland	61,63	50,43	36,74	61,77	82,55	9,73	0,00
21	Politehnica University of Timisoara	Romania	60,45	45,24	35,67	50,71	46,90	45,94	0,00
22	Budapest University of Technology and Economics	Hungary	59,45	52,05	23,90	55,55	72,80	23,66	0,00
22	University of Maribor	Slovenia	59,19	57,39	41,49	73,72	49,34	9,64	0,00
22	University of Bucharest	Romania	59,04	50,26	44,41	51,09	67,35	15,80	0,00
25	Eastern Mediterranean University	Cyprus	57,77	71,21	49,82	48,76	46,53	9,64	0,00
25	Wroclaw University of Environmental and Life Sciences	Poland	57,62	53,71	54,41	84,03	36,40	0,00	0,00
25	Vilnius University	Lithuania	57,37	41,74	47,11	56,98	39,96	31,36	0,00
28	VŠB – Technical University of Ostrava	Czech Republic	56,51	45,04	26,22	47,57	47,47	43,42	0,00
29	Dunarea de Jos University of Galati	Romania	54,89	80,51	38,24	60,43	17,82	15,55	0,00
30	Czech Technical University	Czech Republic	52,59	52,13	35,98	52,61	35,65	24,19	0,00
30	Gdańsk University of Technology	Poland	52,41	66,57	30,82	53,35	20,64	27,38	0,00
32	Tallinn University of Technology	Estonia	52,08	54,40	30,16	61,11	45,59	11,48	0,00
33	Kaunas University of Technology	Lithuania	49,63	50,92	33,00	48,76	54,03	7,63	0,00
33	Silesian University of Technology	Poland	49,41	71,87	26,75	47,57	36,96	9,64	0,00
33	University of Split	Croatia	49,28	75,40	22,98	43,45	30,21	17,58	0,00
36	Riga Technical University	Latvia	48,61	49,92	25,20	58,73	40,71	13,72	0,00
36	Częstochowa University Of Technology	Poland	48,61	79,86	29,49	46,36	27,95	6,88	0,00
38	Babes-Bolyai University	Romania	48,35	49,27	42,80	62,76	36,96	0,00	0,00
39	West Pomeranian University of Technology	Poland	47,86	60,32	38,85	53,72	36,96	0,00	0,00
40	Gh. Asachi Technical University	Romania	47,54	50,26	36,12	56,98	45,22	0,00	0,00
41	University of Malta	Malta	46,32	78,93	28,10	43,87	13,32	14,63	0,00
42	University of Gdańsk	Poland	45,38	60,53	31,35	62,43	25,70	0,00	0,00
43	University of Warmia and Mazury in Olsztyn	Poland	43,18	53,67	33,81	47,97	20,26	11,69	0,00
44	University of Rijeka	Croatia	40,37	75,40	12,57	37,28	13,13	16,32	0,00
45	The Bucharest University of Economic Studies	Romania	36,30	44,66	31,58	49,94	17,82	0,00	0,00
46	Technical University of Kosice	Slovakia	35,64	45,14	20,08	58,73	17,45	0,00	0,00
47	University of Zilina	Slovakia	34,17	44,32	22,75	51,47	0,00	12,74	0,00
48	Technical University of Sofia	Bulgaria	30,53	48,62	10,86	38,19	23,45	0,00	0,00
49	University of Craiova	Romania	28,26	58,12	7,43	24,81	9,94	8,86	0,00

EngiRank Materials Engineering				RESEARCH EFFECTIVENESS 20%					TEACHING 20%
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCRE
				15%	15%	15%	15%	20%	20%
1	Semmelweis University	Hungary	100,00	29,33	81,06	56,93	86,61	100,00	0,00
2	Warsaw University of Technology	Poland	90,47	56,99	39,53	46,04	31,18	32,46	100,00
2	West Pomeranian University of Technology	Poland	90,12	56,05	50,30	46,53	51,73	8,30	100,00
4	Poznań University of Technology	Poland	88,18	56,96	57,73	57,92	30,95	3,45	100,00
5	Lodz University of Technology	Poland	85,35	55,62	36,39	40,59	42,96	16,21	100,00
6	Palacký University Olomouc	Czech Republic	84,88	49,15	100,00	71,78	100,00	5,84	0,00
7	University of Nova Gorica	Slovenia	81,36	68,48	76,84	68,81	83,60	13,01	0,00
8	Silesian University of Technology	Poland	79,03	68,90	31,23	47,52	15,01	7,54	100,00
9	University of Warsaw	Poland	75,64	50,77	52,76	44,06	74,13	53,39	0,00
10	Eotvos Lorand University	Hungary	75,03	50,99	57,96	53,96	86,37	30,96	0,00
11	Jan Dlugosz University in Czestochowa	Poland	74,20	91,42	65,53	59,90	38,11	24,30	0,00
11	University of Tartu	Estonia	73,97	55,71	76,19	60,40	54,04	30,08	0,00
13	Cardinal Stefan Wyszyński University	Poland	71,40	84,79	57,79	37,62	69,52	20,10	0,00
14	University of Malta	Malta	70,60	45,98	65,83	100,00	45,50	12,09	0,00
15	University of South Bohemia	Czech Republic	70,22	41,58	75,41	50,00	94,92	7,50	0,00
16	University of Chemistry and Technology, Prague	Czech Republic	69,43	53,10	66,14	53,47	71,82	18,25	0,00
17	Maria Curie-Skłodowska University	Poland	67,31	72,10	56,86	44,55	76,91	7,69	0,00
18	Vilnius University	Lithuania	65,97	50,83	58,25	48,02	63,74	25,99	0,00
19	Adam Mickiewicz University in Poznań	Poland	65,33	61,09	64,46	49,50	72,06	4,42	0,00
19	Jagiellonian University in Kraków	Poland	65,22	47,38	58,34	49,01	84,30	10,16	0,00
19	University of Cyprus	Cyprus	65,12	56,16	56,43	56,44	64,43	14,04	0,00
22	Kazimierz Wielki University	Poland	64,42	73,16	59,98	52,48	17,55	34,72	0,00
23	University of Szeged	Hungary	64,09	39,93	53,04	62,87	83,83	6,39	0,00
24	University of Gdańsk	Poland	63,67	40,76	63,97	54,95	79,45	5,59	0,00
24	Charles University	Czech Republic	63,39	57,02	52,01	48,51	68,82	14,33	0,00
24	University of Maribor	Slovenia	63,32	59,05	61,79	47,52	47,34	22,12	0,00
24	Budapest University of Technology and Economics	Hungary	63,12	54,29	50,73	56,44	49,19	25,36	0,00
28	Cyprus University of Technology	Cyprus	60,33	59,68	44,79	54,95	42,96	23,45	0,00
29	Wrocław University of Economics	Poland	59,62	65,06	40,39	35,15	90,30	0,00	0,00
29	University of Wrocław	Poland	59,50	54,62	54,57	44,55	65,82	8,14	0,00
31	University of Silesia in Katowice	Poland	57,12	70,10	47,61	39,11	43,88	15,39	0,00
32	Nicolaus Copernicus University in Toruń	Poland	56,55	55,16	44,32	41,09	54,04	18,28	0,00
32	Jan Evangelista Purkyně University in Ústí nad Labem	Czech Republic	56,50	57,35	42,10	48,02	66,97	3,25	0,00
32	University of Split	Croatia	56,25	41,12	42,26	43,56	55,66	26,41	0,00
32	University of Ljubljana	Slovenia	56,13	55,99	49,18	41,58	48,96	16,23	0,00
32	University of Pannonia	Hungary	55,99	38,23	53,67	40,59	73,21	8,35	0,00
32	University of Łódź	Poland	55,85	44,06	50,20	35,15	72,29	10,93	0,00
32	Eastern Mediterranean University	Cyprus	55,64	43,70	59,54	50,99	45,03	12,16	0,00
32	Sofia University St. Kliment Ohridski	Bulgaria	55,47	48,94	42,15	41,09	61,89	15,55	0,00
32	Masaryk University	Czech Republic	55,35	48,60	47,85	50,00	55,20	9,52	0,00
41	Babes-Bolyai University	Romania	54,47	56,47	58,30	49,01	37,88	6,96	0,00
42	Wrocław University of Science and Technology	Poland	53,79	57,74	38,99	44,06	36,72	23,11	0,00
42	Military University of Technology Warsaw	Poland	53,55	63,42	32,68	47,03	24,94	29,47	0,00
44	University of Zielona Góra	Poland	52,59	53,75	32,28	50,50	11,78	41,50	0,00
44	University of Bucharest	Romania	52,57	51,54	41,24	36,14	48,96	19,28	0,00
44	Gdańsk University of Technology	Poland	52,53	53,46	46,58	53,96	34,18	11,44	0,00
47	Al. I. Cuza University	Romania	50,92	57,16	50,28	45,54	42,73	1,11	0,00
47	Tallinn University of Technology	Estonia	50,89	48,00	41,92	56,93	36,49	10,30	0,00
47	Lublin University of Technology	Poland	50,82	80,32	35,27	58,42	20,32	1,85	0,00
50	Jagiellonian University Medical College	Poland	50,24	39,66	55,32	47,03	44,80	5,83	0,00

2019 Rank	Institution	Country	Overall score	RESEARCH EFFECTIVENESS 20%					TEACHING 20%
				PUB	CIT	FWCI	TOP10	COL	ACCREDITATION
				15%	15%	15%	15%	20%	20%
50	University of Ostrava	Czech Republic	50,12	30,87	41,21	45,05	60,74	12,16	0,00
52	Alexander Dubcek University of Trencin	Slovakia	49,78	44,13	13,75	20,79	20,32	7,24	63,09
52	AGH University of Science and Technology	Poland	49,73	64,35	34,29	36,14	33,49	18,24	0,00
52	University of West Bohemia	Czech Republic	49,49	66,74	33,12	43,07	38,57	7,60	0,00
52	University of Zagreb	Croatia	49,29	43,74	34,75	36,14	31,18	33,81	0,00
56	University of Pardubice	Czech Republic	47,27	51,49	41,34	34,65	34,64	15,70	0,00
57	Jan Kochanowski University in Kielce	Poland	46,90	58,21	42,46	36,14	44,80	0,00	0,00
57	University of Latvia	Latvia	46,81	54,18	40,02	44,55	31,87	7,98	0,00
57	Comenius University	Slovakia	46,79	43,15	48,30	37,13	44,11	6,38	0,00
57	Cracow University of Technology	Poland	46,65	55,98	35,70	50,99	27,94	7,53	0,00
61	University of Life Sciences in Lublin	Poland	46,29	35,55	44,82	45,54	53,35	0,00	0,00
61	Pedagogical University of Cracow	Poland	46,20	79,94	30,74	32,67	35,57	0,00	0,00
63	Frederick University	Cyprus	45,40	56,61	33,84	44,55	24,25	12,41	0,00
63	P. J. Safarik University	Slovakia	45,30	55,76	39,69	35,64	44,34	0,00	0,00
63	University of Rijeka	Croatia	45,30	55,69	34,88	40,59	36,26	5,99	0,00
63	Rzeszów University of Technology	Poland	45,08	64,64	33,52	44,55	21,02	8,13	0,00
63	Wrocław Medical University	Poland	44,98	41,15	41,10	33,66	44,34	10,44	0,00
63	Wrocław University of Environmental and Life Sciences	Poland	44,80	34,40	47,48	60,89	30,72	0,00	0,00
63	Tomas Bata University in Zlin	Czech Republic	44,76	57,29	31,70	38,61	31,18	10,91	0,00
63	University of Agriculture in Krakow	Poland	44,67	34,59	39,55	33,66	54,27	8,19	0,00
71	Czech Technical University	Czech Republic	43,96	57,15	27,07	43,56	20,32	16,60	0,00
71	Medical University of Silesia in Katowice	Poland	43,79	46,15	40,15	33,17	50,12	0,00	0,00
73	Koszalin University of Technology	Poland	42,92	63,06	39,12	51,49	3,93	6,46	0,00
73	University of Debrecen	Hungary	42,74	36,41	37,83	35,15	50,12	4,51	0,00
73	Medical University Sofia	Bulgaria	42,65	49,04	35,56	33,66	46,88	0,00	0,00
73	University of Chemical Technology and Metallurgy Sofia	Bulgaria	42,57	53,57	34,87	30,69	33,49	9,19	0,00
73	Częstochowa University Of Technology	Poland	42,45	73,02	28,64	38,61	17,32	5,10	0,00
73	Opole University of Technology	Poland	42,42	67,28	34,59	45,54	16,86	0,00	0,00
73	Kaunas University of Technology	Lithuania	42,31	46,81	33,41	34,16	33,03	12,35	0,00
80	Brno University of Technology	Czech Republic	42,08	53,65	30,88	42,57	23,09	9,56	0,00
81	Josip Juraj Strossmayer University of Osijek	Croatia	41,74	47,57	33,17	32,67	24,71	17,65	0,00
81	West University of Timisoara	Romania	41,69	52,39	35,11	33,17	23,33	13,08	0,00
81	Medical University of Gdańsk	Poland	41,62	36,16	45,22	32,67	47,11	0,00	0,00
84	University of Opole	Poland	41,33	53,65	36,77	28,22	35,33	4,56	0,00
85	University of Sopron	Hungary	40,87	44,31	34,27	34,65	33,03	9,01	0,00
85	University of Warmia and Mazury in Olsztyn	Poland	40,70	47,86	32,55	59,41	17,78	0,00	0,00
85	University of Architecture Sofia	Bulgaria	40,54	100,00	22,60	27,23	7,16	0,00	0,00
85	Gdynia Maritime University	Poland	40,46	70,63	29,09	53,96	3,00	0,00	0,00
85	University of Miskolc	Hungary	40,31	50,96	24,22	46,53	15,01	14,55	0,00
85	University of Medical Sciences Poznan	Poland	40,31	33,24	40,25	30,20	52,42	0,00	0,00
91	Czech University of Life Sciences Prague	Czech Republic	40,09	41,84	33,58	37,13	42,73	0,00	0,00
91	University Politehnica of Bucharest	Romania	39,99	53,92	25,44	34,16	18,24	17,33	0,00
91	Maritime University Of Szczecin	Poland	39,81	63,76	30,24	29,70	30,48	0,00	0,00
91	University of Rzeszów	Poland	39,80	50,55	32,79	32,18	30,48	6,08	0,00
95	Slovak University of Technology	Slovakia	39,51	45,84	29,74	31,19	30,72	11,64	0,00
95	University of Technology and Agriculture	Poland	39,49	53,10	36,83	47,52	15,47	0,00	0,00
95	VŠB – Technical University of Ostrava	Czech Republic	39,45	56,03	23,16	39,60	13,16	15,61	0,00
95	Poznań University Of Life Sciences	Poland	39,27	42,65	35,25	55,94	18,24	0,00	0,00
95	Dunarea de Jos University of Galati	Romania	39,19	50,46	39,09	42,57	19,63	0,00	0,00
95	Warsaw University of Life Sciences	Poland	39,16	39,11	34,18	43,07	15,47	14,86	0,00

Engi rank		Materials Engineering		RESEARCH EFFECTIVENESS 20%					TEACHING 20%
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCRE
				15%	15%	15%	15%	20%	20%
95	University of Pecs	Hungary	39,09	42,36	30,56	28,71	35,80	10,47	0,00
95	Medical University of Warsaw	Poland	39,08	37,25	41,61	39,60	27,25	4,22	0,00
103	Riga Technical University	Latvia	38,03	51,36	25,25	47,03	13,86	7,35	0,00
103	Radom University of Technology	Poland	38,03	51,16	24,87	32,18	9,24	22,38	0,00
105	Białystok University of Technology	Poland	37,25	59,57	25,50	47,03	10,16	1,48	0,00
105	Technical University of Cluj-Napoca	Romania	37,24	47,22	28,58	42,57	19,17	5,00	0,00
105	Mendel University in Brno	Czech Republic	37,22	37,44	41,17	30,69	28,87	4,46	0,00
105	Gh. Asachi Technical University	Romania	37,10	55,84	28,18	36,14	18,48	3,79	0,00
109	Kielce University Of Technology	Poland	36,13	64,80	17,66	53,47	2,08	1,44	0,00
110	Politehnica University of Timisoara	Romania	35,76	52,46	22,73	46,53	14,78	1,48	0,00
111	Szent Istvan University	Hungary	35,38	41,26	22,35	34,65	28,87	7,41	0,00
112	Iuliu Hatieganu University of Medicine and Pharmacy	Romania	35,18	35,20	33,94	34,65	21,94	7,88	0,00
112	University of Craiova	Romania	35,12	42,48	21,65	37,62	21,94	9,24	0,00
114	Medical University of Lublin	Poland	34,85	32,07	48,01	29,70	25,17	0,00	0,00
114	University of Defence in Brno	Czech Republic	34,69	44,21	21,14	57,92	11,09	0,00	0,00
116	University of Plovdiv "Paisii Hilendarski"	Bulgaria	34,15	48,06	19,95	23,27	16,40	18,43	0,00
116	University of Zilina	Slovakia	34,15	53,96	17,63	47,52	9,93	2,39	0,00
118	Technical University of Kosice	Slovakia	33,75	50,89	19,67	30,69	4,85	18,45	0,00
119	Transilvania University of Brasov	Romania	33,44	52,78	18,50	28,71	18,48	8,28	0,00
120	Stefan Cel Mare University	Romania	33,17	55,58	23,07	36,63	13,16	0,00	0,00
121	Grigore T. Popa University of Medicine and Pharmacy	Romania	33,00	35,18	34,41	38,12	12,01	6,07	0,00
122	University of Bielsko-biala	Poland	32,08	63,76	23,52	27,72	9,24	0,00	0,00
122	Valahia University of Targoviste	Romania	31,99	47,14	17,32	29,70	11,55	13,62	0,00
124	Technical University of Liberec	Czech Republic	31,63	59,00	19,39	23,76	12,47	5,90	0,00
124	Medical University of Łódź	Poland	31,53	33,89	31,01	24,75	21,25	8,41	0,00
126	Technical University in Zvolen	Slovakia	31,13	44,07	29,64	40,59	6,24	0,00	0,00
127	Vilnius Gediminas Technical University	Lithuania	29,58	48,19	19,87	24,75	15,01	5,05	0,00
128	Carol Davila University of Medicine and Pharmacy	Romania	27,69	37,09	20,52	31,68	9,01	6,70	0,00
129	Angel Kanchev" University of Ruse	Bulgaria	25,85	36,60	9,46	48,51	5,54	0,00	0,00
130	University of Agronomical Sciences and Veterinary Medicine	Romania	25,46	36,71	27,64	24,75	9,47	0,00	0,00
131	Ovidius University of Constanta	Romania	24,81	44,49	15,67	19,31	10,85	4,31	0,00
132	University of Oradea	Romania	24,29	45,17	18,58	28,71	1,62	0,00	0,00
133	Military Technical Academy	Romania	23,56	35,71	15,58	21,29	4,85	10,35	0,00
134	Technical University of Sofia	Bulgaria	20,74	41,94	9,02	18,81	3,93	4,97	0,00
135	Lucian Blaga University of Sibiu	Romania	20,28	46,55	7,17	18,81	1,39	3,45	0,00
136	University of Medicine and Pharmacy of Tirgu Mures	Romania	19,55	31,97	17,50	26,24	0,00	0,00	0,00
136	Constanta Maritime University	Romania	19,53	53,20	4,60	17,82	0,00	0,00	0,00
138	Victor Babes University of Medicine and Pharmacy	Romania	19,21	33,61	17,88	20,30	0,00	1,94	0,00
139	Main School Of Fire Service	Poland	17,92	46,13	9,42	13,86	0,00	0,00	0,00

EngiRank Mechanical Engineering				RESEARCH EFFECTIVENESS 20%					TEACHING 20%
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCRE
				15%	15%	15%	15%	20%	20%
1	University of Pannonia	Hungary	100,00	57,73	84,45	100,00	100,00	27,29	0,00
2	Silesian University of Technology	Poland	91,80	66,78	32,31	51,28	29,13	26,03	100,00
3	Cyprus University of Technology	Cyprus	86,16	40,14	67,91	70,12	66,19	61,35	0,00
4	Warsaw University of Technology	Poland	85,58	66,32	37,98	52,93	33,81	26,45	73,25
5	University of Ljubljana	Slovenia	82,92	60,60	45,05	51,94	44,60	20,68	63,09
5	Babes-Bolyai University	Romania	82,57	95,11	91,81	75,49	46,42	2,80	0,00
7	Białystok University of Technology	Poland	81,52	90,44	21,79	44,65	23,28	1,69	94,64
8	Gdańsk University of Technology	Poland	81,01	56,86	45,00	53,25	29,78	18,10	73,25
9	Maria Curie-Skłodowska University	Poland	78,68	38,10	100,00	68,06	60,86	23,12	0,00
10	Sofia University St. Kliment Ohridski	Bulgaria	78,07	40,21	32,76	48,91	40,31	100,00	0,00
10	Military University of Technology Warsaw	Poland	78,06	63,59	30,34	50,95	30,17	17,08	73,25
10	Adam Mickiewicz University in Poznań	Poland	77,85	44,25	77,05	64,57	67,62	30,91	0,00
13	Eotvos Lorand University	Hungary	76,11	53,85	54,51	59,14	66,71	40,43	0,00
14	Jan Długosz University in Częstochowa	Poland	75,46	95,24	53,01	73,59	63,85	0,00	0,00
15	University of Warsaw	Poland	74,80	49,54	59,71	63,46	56,31	40,61	0,00
16	Cracow University of Technology	Poland	73,81	72,32	34,07	55,79	33,55	12,77	50,00
17	Lodz University of Technology	Poland	71,59	61,45	32,52	43,92	28,74	15,20	63,09
17	Transilvania University of Brasov	Romania	71,25	53,09	18,76	40,50	21,20	13,56	88,56
19	West Pomeranian University of Technology	Poland	68,04	53,75	38,26	52,27	35,76	8,14	50,00
20	University of Primorska	Slovenia	67,36	66,03	57,22	52,93	27,83	38,26	0,00
21	Technical University of Kosice	Slovakia	65,87	63,59	17,05	39,72	6,63	18,53	73,25
21	Kielce University Of Technology	Poland	65,66	67,96	34,47	55,17	24,32	0,00	50,00
21	University of Malta	Malta	65,55	54,96	33,25	57,94	30,30	22,22	31,55
24	Palacký University Olomouc	Czech Republic	63,69	40,68	54,64	61,19	63,20	16,05	0,00
25	University of Wrocław	Poland	63,07	37,14	41,25	45,74	73,60	30,78	0,00
25	University of Maribor	Slovenia	62,95	61,56	46,44	53,25	44,99	24,06	0,00
25	University of Zagreb	Croatia	62,66	48,06	37,03	49,60	34,33	51,15	0,00
28	Pedagogical University of Cracow	Poland	61,57	78,41	41,27	53,57	59,82	0,00	0,00
28	University of Cyprus	Cyprus	61,33	59,97	47,04	54,85	53,32	12,75	0,00
28	University of Szeged	Hungary	61,23	29,21	34,40	97,99	44,21	19,49	0,00
28	Opole University of Technology	Poland	61,02	96,10	42,73	63,18	25,49	2,63	0,00
28	Lublin University of Technology	Poland	60,72	100,00	44,96	55,48	22,50	5,20	0,00
28	Technical University of Cluj-Napoca	Romania	60,63	52,75	24,72	53,25	31,21	19,14	31,55
34	Masaryk University	Czech Republic	60,06	41,23	41,22	58,55	47,33	29,28	0,00
34	Charles University	Czech Republic	59,81	52,21	47,10	52,93	50,85	17,51	0,00
36	Eastern Mediterranean University	Cyprus	59,11	74,29	57,11	57,64	34,72	0,00	0,00
36	Budapest University of Technology and Economics	Hungary	58,92	67,56	41,54	57,94	32,77	17,43	0,00
38	University of Zielona Gora	Poland	58,59	79,56	33,97	48,91	34,59	18,59	0,00
38	University of Tartu	Estonia	58,56	32,21	61,17	62,34	44,21	16,31	0,00
40	Wrocław University of Science and Technology	Poland	58,07	56,96	38,91	52,93	32,51	28,88	0,00
40	Poznań University of Technology	Poland	58,04	66,92	49,55	67,27	27,57	6,31	0,00
40	Politehnica University of Timisoara	Romania	57,83	62,70	37,42	55,48	30,56	24,58	0,00
43	Jagiellonian University in Kraków	Poland	56,78	42,44	46,31	56,72	54,36	11,34	0,00
43	Tallinn University of Technology	Estonia	56,60	51,54	41,60	59,44	40,44	15,94	0,00
45	Slovak University of Technology	Slovakia	56,26	47,79	19,74	36,91	12,87	8,65	63,09
46	AGH University of Science and Technology	Poland	55,05	67,65	33,66	48,22	31,99	20,17	0,00
46	University of Silesia in Katowice	Poland	54,92	48,02	39,89	42,42	52,54	18,79	0,00
48	University of Chemistry and Technology, Prague	Czech Republic	53,39	48,42	45,95	46,46	37,84	17,58	0,00
49	Josip Juraj Strossmayer University of Osijek	Croatia	52,90	42,20	27,06	40,50	51,11	29,53	0,00
50	Jan Evangelista Purkyně University in Usti nad Labem	Czech Republic	52,19	98,29	26,72	47,52	19,77	3,95	0,00

EngiRank Mechanical Engineering				RESEARCH EFFECTIVENESS 20%					TEACHING 20%
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCRE
				15%	15%	15%	15%	20%	20%
50	University of Bucharest	Romania	52,06	51,95	40,05	40,50	37,71	20,16	0,00
50	Częstochowa University Of Technology	Poland	51,84	69,58	33,62	49,26	33,68	7,58	0,00
53	Al. I. Cuza University	Romania	51,40	47,56	50,85	50,28	45,90	0,00	0,00
53	Vilnius University	Lithuania	51,18	37,22	42,06	42,80	36,54	26,34	0,00
55	Gdynia Maritime University	Poland	50,61	77,98	25,06	45,38	12,35	23,12	0,00
55	Nicolaus Copernicus University in Toruń	Poland	50,46	39,63	40,24	49,94	40,31	15,68	0,00
57	Rzeszów University of Technology	Poland	49,86	81,15	30,80	54,53	20,03	1,67	0,00
58	University of West Bohemia	Czech Republic	49,44	66,83	21,88	40,11	31,99	19,77	0,00
59	University of Pardubice	Czech Republic	48,00	42,92	37,31	40,50	30,82	22,61	0,00
60	University Politehnica of Bucharest	Romania	47,73	48,73	18,69	35,26	12,48	17,60	31,55
61	Czech University of Life Sciences Prague	Czech Republic	46,92	72,92	24,33	47,52	29,65	2,41	0,00
61	Koszalin University of Technology	Poland	46,84	79,87	33,36	47,17	16,91	0,00	0,00
63	P. J. Safarik University	Slovakia	46,56	46,08	35,75	42,80	51,63	0,00	0,00
63	Czech Technical University	Czech Republic	46,44	58,04	21,60	47,17	22,63	19,79	0,00
63	Wroclaw University of Environmental and Life Sciences	Poland	46,43	41,00	57,85	50,28	26,66	0,00	0,00
66	Brno University of Technology	Czech Republic	46,00	58,91	23,40	50,28	24,06	13,13	0,00
67	University of Split	Croatia	45,05	49,25	29,74	40,11	26,66	18,59	0,00
68	University of Latvia	Latvia	44,72	39,38	30,11	53,90	31,21	11,03	0,00
69	University of Rijeka	Croatia	44,37	54,50	30,09	42,80	24,19	12,29	0,00
70	Riga Technical University	Latvia	43,73	52,70	18,30	57,03	21,33	12,14	0,00
71	University of Technology and Agriculture	Poland	42,72	57,14	35,15	55,79	13,65	0,00	0,00
72	VŠB - Technical University of Ostrava	Czech Republic	42,08	53,21	20,77	44,28	14,56	19,87	0,00
73	Maritime University Of Szczecin	Poland	41,76	68,32	28,98	36,09	8,32	12,29	0,00
74	Vilnius Gediminas Technical University	Lithuania	40,72	48,95	35,27	50,95	18,99	0,00	0,00
75	University of Bielsko-biala	Poland	39,91	74,16	31,79	33,56	11,57	0,00	0,00
75	Dunarea de Jos University of Galati	Romania	39,89	50,29	32,40	37,73	26,01	3,44	0,00
75	University of Zilina	Slovakia	39,82	69,61	22,80	36,50	10,27	8,67	0,00
78	Radom University of Technology	Poland	39,60	63,82	21,47	49,94	14,69	0,00	0,00
78	Latvia University of Life Sciences and Technologies	Latvia	39,49	67,06	7,74	44,65	30,04	0,00	0,00
80	University of Defence in Brno	Czech Republic	38,93	82,71	14,34	47,87	2,47	0,00	0,00
81	University of Miskolc	Hungary	38,21	61,76	17,66	47,87	11,18	4,62	0,00
81	Gh. Asachi Technical University	Romania	38,04	52,80	22,38	46,46	18,73	2,73	0,00
83	University of Craiova	Romania	37,63	53,86	10,50	47,87	21,72	6,37	0,00
84	University of Agriculture in Krakow	Poland	37,24	38,81	28,64	52,60	20,94	0,00	0,00
85	University of Hradec Kralove	Czech Republic	36,74	58,22	17,23	46,46	17,17	0,00	0,00
85	Tomas Bata University in Zlin	Czech Republic	36,61	55,99	18,62	38,93	18,86	4,66	0,00
87	University of Debrecen	Hungary	36,41	34,29	27,26	44,28	31,99	0,00	0,00
88	University of Warmia and Mazury in Olsztyn	Poland	35,53	48,39	26,32	43,54	16,25	0,00	0,00
88	Comenius University	Slovakia	35,45	34,51	28,54	38,93	22,50	7,30	0,00
88	University of Life Sciences in Lublin	Poland	35,36	43,24	27,90	43,17	6,63	9,68	0,00
91	Szent Istvan University	Hungary	34,76	41,90	18,71	36,09	21,20	10,26	0,00
92	Technical University of Liberec	Czech Republic	34,55	66,75	19,85	31,38	11,05	1,33	0,00
93	Stefan Cel Mare University	Romania	34,33	41,49	18,33	46,10	24,06	0,00	0,00
94	Technical University of Sofia	Bulgaria	33,79	54,12	15,83	40,50	12,87	3,45	0,00
95	Kaunas University of Technology	Lithuania	33,33	46,68	13,42	29,13	32,90	3,05	0,00
95	University of Rzeszów	Poland	33,33	46,47	17,10	39,72	22,89	0,00	0,00
97	Technical University in Zvolen	Slovakia	31,31	54,20	19,09	37,32	7,93	0,00	0,00
98	Angel Kanchev" University of Ruse	Bulgaria	30,90	46,83	20,17	38,13	11,83	0,00	0,00
98	Poznań University Of Life Sciences	Poland	30,88	37,61	36,11	37,32	5,85	0,00	0,00

EngiRank Mechanical Engineering				RESEARCH EFFECTIVENESS 20%					TEACHING 20%
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCREDITED
				15%	15%	15%	15%	20%	20%
100	University of Chemical Technology and Metallurgy Sofia	Bulgaria	29,08	61,54	16,37	24,39	4,55	2,43	0,00
101	Warsaw University of Life Sciences	Poland	28,01	41,11	23,27	28,67	9,49	2,63	0,00
102	Mendel University in Brno	Czech Republic	27,48	31,75	21,98	30,04	20,29	0,00	0,00
103	Technical University of Varna	Bulgaria	26,12	51,33	9,03	38,53	0,00	0,00	0,00
104	Lucian Blaga University of Sibiu	Romania	25,71	61,14	12,08	21,39	2,73	0,00	0,00
105	Carol Davila University of Medicine and Pharmacy	Romania	22,85	36,24	5,70	19,84	1,69	17,27	0,00
106	Slovak University of Agriculture in Nitra	Slovakia	17,91	37,76	9,72	17,71	2,60	0,00	0,00

EngiRank Medical Engineering				RESEARCH EFFECTIVENESS 20%					TEACHING 20%
2019 Rank	Institution	Country	Overall score	PUB	CIT	FWCI	TOP10	COL	ACCRE
				15%	15%	15%	15%	20%	20%
1	Warsaw University of Technology	Poland	100,00	73,22	46,39	67,53	79,62	5,20	100,00
2	Gdańsk University of Technology	Poland	98,49	65,01	48,65	69,59	48,47	26,88	100,00
3	Semmelweis University	Hungary	91,99	43,14	60,02	55,67	82,24	100,00	0,00
4	Palacký University Olomouc	Czech Republic	91,14	42,37	93,12	85,05	95,45	41,23	0,00
5	Lodz University of Technology	Poland	84,26	50,11	33,72	42,78	58,04	18,73	100,00
6	University of Maribor	Slovenia	82,89	80,34	100,00	69,07	69,41	13,92	0,00
7	University of Warsaw	Poland	76,34	49,49	67,91	74,74	100,00	13,92	0,00
8	Vilnius University	Lithuania	73,35	43,33	52,92	100,00	82,42	14,93	0,00
9	University of Cyprus	Cyprus	71,87	100,00	55,94	58,25	66,80	8,66	0,00
10	Budapest University of Technology and Economics	Hungary	64,72	62,82	40,60	53,61	80,96	19,08	0,00
11	University of Ljubljana	Slovenia	64,32	60,72	47,06	56,19	68,28	22,16	0,00
12	AGH University of Science and Technology	Poland	63,22	75,27	45,03	54,12	45,50	28,04	0,00
13	Brno University of Technology	Czech Republic	60,75	51,53	49,90	59,28	74,26	9,23	0,00
14	University of Bucharest	Romania	57,55	53,38	35,63	38,14	72,57	25,89	0,00
14	Masaryk University	Czech Republic	57,42	50,78	33,54	53,09	78,01	13,74	0,00
16	Charles University	Czech Republic	56,86	46,67	50,51	53,61	66,50	10,62	0,00
17	Tallinn University of Technology	Estonia	52,96	75,00	34,54	55,15	33,26	13,21	0,00
17	University Politehnica of Bucharest	Romania	52,85	52,19	18,51	37,11	82,95	18,26	0,00
19	Białystok University of Technology	Poland	52,58	97,54	22,17	31,44	51,68	8,37	0,00
20	Jagiellonian University in Kraków	Poland	51,52	37,48	37,57	56,19	68,28	7,63	0,00
20	Victor Babes University of Medicine and Pharmacy	Romania	51,52	55,77	70,93	82,99	0,00	0,00	0,00
20	Medical University of Warsaw	Poland	51,29	46,91	41,96	54,64	65,25	0,00	0,00
23	University of Silesia in Katowice	Poland	49,06	79,19	46,10	40,21	34,20	0,00	0,00
24	Medical University of Łódź	Poland	48,50	52,75	26,84	34,54	61,14	16,62	0,00
25	University of Zagreb	Croatia	47,16	54,86	21,34	49,48	37,66	21,46	0,00
26	University of Latvia	Latvia	46,68	51,67	39,22	48,45	50,65	0,00	0,00
26	Silesian University of Technology	Poland	46,48	60,21	28,95	42,27	52,68	3,80	0,00
26	University of Medical Sciences Poznan	Poland	46,31	30,82	40,56	43,81	73,30	0,00	0,00
29	Czech Technical University	Czech Republic	45,96	74,62	20,74	31,96	48,47	8,46	0,00
29	Comenius University	Slovakia	45,75	49,94	43,73	38,66	43,56	7,75	0,00
31	Wrocław University of Science and Technology	Poland	44,03	53,21	25,65	34,02	60,01	4,75	0,00
32	VŠB – Technical University of Ostrava	Czech Republic	42,82	50,02	40,66	46,39	29,20	6,02	0,00
33	Babes-Bolyai University	Romania	42,54	52,19	28,53	30,93	61,50	0,00	0,00
34	Medical University of Silesia in Katowice	Poland	41,95	53,13	31,95	36,08	49,58	0,00	0,00
34	Gh. Asachi Technical University	Romania	41,75	68,76	14,60	36,60	34,20	11,84	0,00
36	Jagiellonian University Medical College	Poland	41,36	47,77	34,76	39,69	46,12	0,00	0,00
37	Wrocław Medical University	Poland	36,93	40,78	39,94	38,14	0,00	23,59	0,00
38	Technical University of Cluj-Napoca	Romania	35,19	57,59	16,04	36,60	28,09	3,67	0,00
39	Carol Davila University of Medicine and Pharmacy	Romania	33,54	41,18	19,84	26,29	43,56	4,24	0,00
40	Kaunas University of Technology	Lithuania	32,12	54,54	13,44	31,44	31,30	0,00	0,00
41	Iuliu Hatieganu University of Medicine and Pharmacy	Romania	30,73	45,17	18,98	22,16	34,20	3,43	0,00
42	Politehnica University of Timisoara	Romania	25,62	66,17	9,93	22,16	0,00	4,50	0,00
43	Grigore T. Popa University of Medicine and Pharmacy	Romania	22,58	47,89	11,42	21,13	0,00	8,61	0,00
44	University of Medicine and Pharmacy of Tirgu Mures	Romania	20,26	36,56	13,38	24,74	0,00	5,82	0,00

Appendixes

Partners of EngiRank Project



Foundation for the Development of the Education System FRSE (Fundacja Rozwoju Systemu Edukacji FRSE – in Polish) is the only institution in Poland displaying extensive expertise in managing European educational programs. Initially, the foundation implemented TESSA, TERM, and SMART programs funded by PHARE, as well as Tempus programme. In 1998, when Poland, a country associated with the European Union, commenced the implementation of community educational programs, the Foundation was a natural coordinator for the implementation of the Socrates and Youth for Europe programs.

In the years 2007-2013, the Foundation coordinated the implementation of the Lifelong Learning Program (including Erasmus, Leonardo da Vinci, Comenius and Grundtvig) and the Youth in Action program in Poland. Thanks to the integrity and reliability of its operations, FRSE has been appointed the Polish National Agency of the Erasmus+ Programme implemented in the years 2014-2020.

FRSE is also responsible for other European informational and educational initiatives in Poland: European Language Label, eTwinning, Eurodesk, Europass and Eurydice. The Foundation supports cooperation with countries in the East via Polish-Lithuanian Youth Exchange Fund and SALTO-EECA Eastern Europe and Caucasus Resource Centre. For several years, the Foundation has acted as the Operator of the Scholarship and Training Fund operating as part of the Norwegian Financial Mechanism and the EEA Mechanism, as well as the Scientific Exchange Programme Sciex-NMSch. Since 2012, FRSE has implemented three projects under Human Capital Operational Programme Priority III: High Quality of the Education System.

The Foundation's main aim is support, in its broad sense, for activities serving the development of education in Poland. The FRSE realizes its aim through the coordination of educational programs of the European Union, among others. The programs include such participants as children, young people and adults – from pre-schoolers to senior citizens.

<https://www.frse.org.pl/en/>

Perspektywy

“Perspektywy” Education Foundation (Fundacja Edukacyjna „Perspektywy” – in Polish) is an independent, non-profit organization established (1998) to promote and support education. Its Board consists of present and former rectors and outstanding public figures interested in the development of higher education in Poland and globally.

“Perspektywy” publishes annually university ranking of Polish universities (www.ranking.perspektywy.org), and ranking of the best secondary schools in the country. These rankings are recognized as the most popular and reliable educational rankings in Poland. “Perspektywy” with the Conference of Rectors of Academic Schools in Poland (CRASP) runs a joint program “Study in Poland” promoting Polish universities abroad and helping universities attract international students. (www.studyinpoland.pl)

“Perspektywy” runs popular projects promoting participation of women in the STEM education and encouraging young women to enroll into studies in new technologies: Perspektywy Women in Tech Summit (www.womenintechsummit.pl), IT for SHE (www.itforshe.pl)

“Perspektywy” due to its experience and competence in the area of higher education organizes prestigious international conferences and its members are invited as experts in Poland and abroad.

www.perspektywy.org

iREG

IREG Observatory on Academic
Ranking and Excellence

IREG Observatory on Academic Ranking and Excellence (in short: IREG Observatory) is an international institutional non-profit association of ranking organizations, universities and other bodies interested in university rankings and academic excellence. Its purpose is strengthening of public awareness and understanding of range of issues related to university rankings and academic excellence. The experience acquired by a group of rankers and ranking analysts, who met first in 2002, led to creation of an International Ranking Expert Group (IREG). In 2009 this informal group was transformed into IREG Observatory as a non-profit organization. It is registered in Brussels, Belgium.

www.ireg-observatory.org

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www.engirank.eu