



G: Criteria for assessing the level of quality of the creative activity outputs for the field of study Mechanical Engineering at the Faculty of Technology of the Technical University in Zvolen

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Database scientific publications		Field of study: Mechanical Engineering and publications from related fields			
Level/criterium		Author's contribution	Rigour, quartile of WoS or Scopus	Originality (describe at least 1 criterium)	Impact of the output - IF or CiteScore (for older publications, if this figure is not available, the value from the nearest year to the year of publication is used. For the most recent publications, the last published one is used.)
A+	Top international level in terms of originality, rigour and impact of the creative activity output – the output brings a new agenda within the relevant creative activity or makes fundamental contribution to the development of the relevant creative activity in a global context	First or corresponding author or last author, if the first author is a doctoral student, or a significant author's contribution of 10 % or more, if the proportion is lower, then it must be a journal of above the 90 percentiles of the field in the year of publication	Q1, Q2 publication is classified in research areas according to WoS or in subject areas according to Scopus in the category of engineering, materials science, mechanics or related one	At least one of the following criteria is met: new empirical findings and/or new material; a new and/or complex research problem; innovative research methods, methodologies and/or analytical techniques; imaginative and creative options for solutions; new arguments and/or new forms of expression, formal innovations, interpretations and information; new types of data with which they work and/or develop theoretical knowledge or analysis of doctrines, politics or practice and new forms of expression	The average annual number of citations of WoS or Scopus without self-citations is higher than the IF median of the field or CiteScore in the year of publication
A	Significant international level in terms of originality, rigour and impact of the creative activity output – the output contributes significantly to the development of relevant creative activity in the wider international context	First or corresponding author or last author, if the first author is a doctoral student, or a significant author's contribution of 10 % or more	Q3, Q4 publication is classified in research areas according to WoS or subject areas according to Scopus in the category of engineering, materials science, mechanics or related one		The average annual number of citations of WoS or Scopus without self-citations is higher than the IF median of the field or CiteScore in the year of publication
A-	Internationally recognised level in terms of originality, rigour and impact of the creative activity output – the output represents a certain contribution to the development of the relevant creative activity in an international context	Coauthoring	WoS, SCOPUS		The average annual number of citations of WoS or Scopus without self-citations is lower than the IF median of the field or CiteScore in the year of publication
B	Nationally recognised level in terms of originality, rigour and impact of the creative activity output – the output represents a certain contribution to the development of the relevant creative activity in a national context	Coauthoring	Scientific output in a peer-reviewed journal		The average annual number of all citations without self-citations is at least 1
C	Level below the standard of nationally recognised quality	Coauthoring	Other publications		

Scientific monograph or chapter in a scientific monograph or textbook or chapter in a textbook		Field of study: Mechanical Engineering and publications from related fields			
Level/criterion		Author's contribution	Rigour	Originality (describe at least 1 criterium)	Impact of the output (for publications older than 2003, the IF median from 2003 is used; for the most recent publications the latest published IF is used)
A+	Top international level in terms of originality, rigour and impact of the creative activity output – the output brings a new agenda within the relevant creative activity or makes fundamental contribution to the development of the relevant creative activity in a global context	First author or significant author's contribution above 10%, if the proportion is lower, then the average annual number of WoS citations is higher than 1.5 times the IF median of the field in the year of publication without self-citations	Monograph or chapters in a monograph in internationally renowned publishing houses	At least one of the following criteria is met: new empirical findings and/or new material; a new and/or complex research problem; innovative research methods, methodologies and/or analytical techniques; imaginative and creative options for solutions; new arguments and/or new forms of expression, formal innovations, interpretations and information; new types of data with which they work and/or develop theoretical knowledge or analysis of doctrines, politics or practice and new forms of expression	The average annual number of citations of WoS or Scopus without self-citations is higher than the IF median of the field or CiteScore in the year of publication
A	Significant international level in terms of originality, rigour and impact of the creative activity output – the output contributes significantly to the development of relevant creative activity in the wider international context	Author's contribution less than 10%	Monograph or chapters in a monograph in internationally renowned publishing houses		The average annual number of citations of WoS or Scopus without self-citations is higher than the IF median of the field or CiteScore in the year of publication
A-	Internationally recognised level in terms of originality, rigour and impact of the creative activity output – the output represents a certain contribution to the development of the relevant creative activity in an international context	Coauthoring	Monograph or chapters in a monograph in international publishing houses		The average annual number of WoS or SCOPUS citations without self-citations is at least 0.5
B	Nationally recognised level in terms of originality, rigour and impact of the creative activity output – the output represents a certain contribution to the development of the relevant creative activity in a national context	Coauthoring	Scientific monograph or chapter in a scientific monograph		The average annual number of all citations without self-citations is at least 1
C	Level below the standard of nationally recognised quality	Coauthoring	Other monographs		

Industrial property rights		Field of study: Mechanical Engineering and publications from related fields			
Level/criterium		Author's contribution	Rigour	Originality (describe at least 1 criterium)	Impact of the output
A+	Top international level in terms of originality, rigour and impact of the creative activity output – the output brings a new agenda within the relevant creative activity or makes fundamental contribution to the development of the relevant creative activity in a global context	First author or significant author's contribution of 10% and more	International patent	At least one of the following criteria is met: new empirical findings and/or new material; a new and/or complex research problem; innovative research methods, methodologies and/or analytical techniques; imaginative and creative options for solutions; new arguments and/or new forms of expression, formal innovations, interpretations and information; new types of data with which they work and/or develop theoretical knowledge or analysis of doctrines, politics or practice and new forms of expression	Implemented in practice or at least 3 citations in WoS or SCOPUS without self-citations
A	Significant international level in terms of originality, rigour and impact of the creative activity output – the output contributes significantly to the development of relevant creative activity in the wider international context	First author or significant author's contribution of 10% and more	International patent		Implemented in practice or at least 1 citation in WoS or SCOPUS without self-citations
A-	Internationally recognised level in terms of originality, rigour and impact of the creative activity output – the output represents a certain contribution to the development of the relevant creative activity in an international context	Coauthoring	National patent, design		Implemented in practice or at least 1 citation in WoS or SCOPUS without self-citations
B	Nationally recognised level in terms of originality, rigour and impact of the creative activity output – the output represents a certain contribution to the development of the relevant creative activity in a national context	Coauthoring	Utility model		
C	Level below the standard of nationally recognised quality	Coauthoring	Other rights of industrial property		

The criteria for assessing the level of quality of the creative activity outputs for the field of study Mechanical Engineering at the Faculty of Technology of the Technical University in Zvolen were discussed by the Scientific Board of the Faculty of Technology on 7th October 2021 and approved by the Scientific Board of the Technical University in Zvolen on 14th December 2021.

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