

ALGORITHM FOR DETERMINING THE MAXIMUM FUNDS FOR THE IMPLEMENTATION OF A RESEARCH TASK

The maximum amount of funds S_i for the i -th research team in year Y is determined according to the formula:

$$S_i = S_W \times UZ_i \quad (1)$$

where:

S_W – the total amount of funds allocated for the implementation of research tasks at the faculty in year Y (respectively, for tasks led by PUT employees and tasks led by early-career researchers);

UZ_i – the share index of the i -th research team, determined as follows

$$UZ_i = A \times UB_i + B \times UF_i + C \times UP_i \quad (2)$$

where:

UB_i is the index of scientific performance of the i -th research team, calculated based on years $Y-1$, $Y-2$, and $Y-3$;

UF_i is the index of financial outcomes of scientific research and development work for the i -th research team, calculated based on years $Y-1$, $Y-2$, and $Y-3$;

UP_i is the index representing the number of researchers in the i -th team as of the date of application submission;

A, B, C are weights.

The scientific performance index is determined as follows (where k denotes the number of funded research tasks):

$$UB_i = \left(\frac{PDB_i}{\sum_{j=1}^k PDB_j} \right)_i \quad (3)$$

where:

PDB_i is the total number of points awarded for scientific achievements authored or co-authored by members of the i -th research team, based on publication and patent activity from years $Y-1$, $Y-2$, and $Y-3$, including:

- patent activity points as calculated according to the applicable regulation (Journal of Laws 2019, item 392, as amended);
- points for publications in peer-reviewed proceedings of international conferences, calculated based on the list of peer-reviewed international conference materials referred to in the most recent announcement of the competent minister for science, applicable in the year in which the publication was released in its final form;
- points for publications in journals (hereinafter: PS), understood as a substitute for the total value of a publication P_c (pursuant to Journal of Laws of 2019, item 392, as amended), calculated based on the list of scientific journals corresponding to the most recent announcement of the competent minister for science in the year in which the publication was released in its final form, taking into account the percentile values assigned to journals (hereinafter: c_{cz}) in that same year, understood as the most favorable value according to either the Scopus database or Journal Citation Reports, as shown in the table below:

Points announced in the communication of the competent Minister for science (hereinafter: PN)	Baseline percentile value range $<C_{min}, C_{max}>$	PS			
		$c_{cz} < c_{min}$	$c_{cz} \in [c_{min}, c_{max}]$	$c_{cz} \in (c_{max}, 90)$	$c_{cz} \geq 90$
200	[97,100]	PS_{min}	PN	-	-
140	[90,97)		-	-	PS_{max}
100	[75,90)		PN	-	
70	[50,75)		PN	PN	
40	[25,50)		PN	PN	
20	[0,25)		PN	PN	
		-	PN	PN	

where $PS_{min} = \frac{PN - c_{cz}}{c_{min}} + 20$, $PS_{max} = \frac{200 - P}{10} (c_{cz} - 90) + PN$.

After determining the PS value, in order to calculate the publication contribution score P_u (pursuant to Journal of Laws 2019, item 392, as amended), the appropriate method of determining it shall be applied: as for $P_c = 200$, when $PS \in (140, 200]$, for $P_c = 140$, when $PS \in (100, 140]$ and accordingly for the remaining PS values falling within the other point ranges specified in the table.

PDB_i includes **all** scientific achievements of team members from the years listed above, submitted to the SIN database as of 31 December of the previous year, with due regard to the disciplines assigned in the system.

The index of financial outcomes of scientific research and development work is determined as follows (k denotes the number of funded research tasks):

$$UF_i = \left(\frac{PDF_i}{\sum_{j=1}^k PDF_j} \right)_i \quad (4)$$

where:

PDF_i is the total number of points awarded for the financial outcomes of scientific research and development work authored by members of the i-th research team, from years Y-1, Y-2, and Y-3, as calculated in accordance with the current regulation on the evaluation of the quality of scientific activity.

The index of the number of researchers in the i-th team is determined as follows (k denotes the number of funded research tasks):

$$UP_i = \left(\frac{PDP_i}{\sum_{j=1}^k PDP_j} \right)_i \quad (5)$$

where:

PDP_i is the number of researchers in the i-th team.

The weights in equation (2) are determined by the Dean, taking into account the following allowable ranges:

$A \in [0.5, 0.8]$,

$B \in [0.2, 0.4]$,

$C \in [0.0, 0.1]$,

with the condition that

$$A + B + C = 1.$$

Note: If a member of a research team participates in more than one research task, they must declare the percentage of their scientific output assigned to each task, with a precision of 25%.