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 relationship

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

where:

S_W – the total amount of funds for the implementation of research tasks at the faculty in year Y (tasks managed by PUT employees and tasks managed by young researchers respectively);

UZ_i – an indicator of the participation of the *i*-th research team determined according to the relationship

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

where:

*UB*i an indicator of the scientific level of activity in the *i*-th research team in year Y calculated from years Y-1, Y-2, Y-3;

*UF*i an indicator of the financial effects of scientific research and developmental work in the *i*-th research team in year Y calculated from years Y-1, Y-2, Y-3;

*UP*i an indicator of the number of researchers in the *i-th* team as of the date of application submission;

A,B,C weights.

The scientific level indicator is determined as follows (*k* is 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 to scientific achievements whose authors or co-authors are members of the *i*-th research team for publication and patent activity, from years Y-1, Y-2, Y-3, where:

- points for patent activity are calculated in accordance with the regulation (Journal of Laws of 2019, item 392, as amended);
- points for publications from peer-reviewed materials from international conferences are calculated in accordance with the list of peer-reviewed materials from international conferences relating to the last announcement of the Minister competent for science, in the year of the publication release in its final form;
- points for publications in journals (hereinafter: PS), understood as a replacement for the total value of the P_c publication (according to the Journal of Laws of 2019, item 392, as amended), is calculated taking into account the list of scientific journals relating to the last announcement of the Minister competent for science in the year of the publication release in its final form, taking into account the percentile values assigned to journals (hereinafter: c_{cz}) in the year of the publication release in its final form, understood as the most favourable value according to the Scopus database or Journal Citation Reports, as in the table below:

			PS		
Points specified in the announcement of the Minister competent for science (hereinafter: *PN*)	Base percentile range <c_{min},c_{max}>	$c_{cz} < c_{min}$	$c_{cz} \in [c_{min}, c_{max}]$	$c_{cz} \in (c_{max}, 90)$	$c_{cz} \geq 90$
200	[97,100]	PS_{min}	PN	-	-
140	[90,97)		-	-	

100	[75,90)		PN	-	PS_{max}
70	[50,75)		PN	PN	
40	[25,50)		PN	PN	
20	[0,25)	-	PN	PN	

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

After determining the PS value, and in order to calculate the P_u point share (according to Journal of Laws of 2019, item 392, as amended), the appropriate method of its determination is used: as for P_c = 200, when PS ∈ (140,200], for P_c = 140, when PS ∈ (100,140] and subsequent, when PS falls within the other point ranges from the table.

PDBi takes into account **all** scientific achievements of the members of the research team, from the above-mentioned years, reported to the SIN database as of 31 December of the previous year, allowing for the scientific disciplines assigned therein.

The indicator of financial effects of scientific research and developmental work is determined as follows (*k* is the number of funded research tasks):

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

where:

PDFi is the total number of points awarded to the financial effects of scientific research and developmental work authored by members of the *i*-th research team, from years Y-1, Y-2, Y-3, calculated in accordance with the applicable regulation on the evaluation of the quality of scientific activity.

The ratio of the number of researchers in the *i*-th team is determined as follows (*k* is 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 the relationship (2) are determined by the Dean, taking into account the permissible ranges:

$A \in [0.5,0.8]$,
$B \in [0.2,0.4]$,
$C \in [0.0,0.1]$,

where

$A + B + C = 1$.

Remarks: if a member of the research team is part of more than one research task, he/she must determine the percentage of achievements included in individual tasks, with an accuracy of up to 25%.