BRNO UNIVERSITY OF TECHNOLOGY

DECISION No 28/2017
MOTIVATIONAL SYSTEM
FOR THE INCREASE OF PERFORMANCE AND QUALITY IN THE FIELD OF SCIENTIFIC RESEARCH

Article 1
Subject of the amendment

1. Goal of the Motivational is the increase in competitiveness of BUT in the international and national comparison. Increase in performance is important due to the ongoing reformation of University funding in Czech Republic as well.

2. Motivational system is focused on the evaluation of prestige papers. Evaluated are only those papers, that reach European od World-wide level, and are indexed in the WoS database. Indexing in the WoS database is an essential condition, but not a sufficient one, to include the paper in the evaluation process via the Motivational system. Evaluation of the level of the paper on the basis of bibliometric data of the journals, where the evaluated papers were published, assumes the review process in the given journals is up to the standards of the scientific fields in question. Papers published in journals, where the review process does not reach the standard of the scientific field, will not be included in the Motivational system evaluation. The vice-rector of creative development of BUT is responsible for the procedural aspect of paper inclusion in the Motivational system.

3. Reward payment condition in the year n is the correct entry of the paper into the Apollo IS before the 31st of May of the year n. The reward is not mandatory and BUT reserves the right to eliminate such authors from the evaluation, who demonstrably broke the ethical and moral code of scientific work. A typical example would be plagiarism or auto-plagiarism.

4. Should a violation of ethical and moral norms of scientific work be detected, all papers of the incriminated authors will be eliminated not only from the Motivational system evaluation in the year n, but also in the years n+1 and n+2. The same approach will be applied in making of TOP 10 charts of BUT.

Reward will be paid out to the internal authors of BUT, who are in a labor-law relationship with BUT by the 30th of September of the year n or are students of a full-time study program on the BUT. BUT internal author is such author, who performed his work during a labor-law relationship with BUT (employment contract, work activity agreement), or a student of a full-time study program accredited on BUT. Critical for the inclusion of the author of the result among the internal authors is whether the labor-law or study relationship was in effect during the creation of the result and was related to a research activity. Number of internal authors given in the BUT IS will be compared to the number during the 3rd phase of evaluation of RIV, performed by RVVI. Should a difference in the data between the 3rd evaluation phase of RIV and the Apollo IS be found, the results in question will be removed from the Motivational system evaluation.

5. Reward in the year n will belong to each BUT internal author, who fulfills all the requirements of paragraph 3 and was not eliminated from the evaluation according to paragraph 4 of this decision, for each paper published in the year n-1. Reward is paid to the internal author based on the current data in the WoS/Journal Citation Reports database pertaining the inclusion of the journal into the Q1, Q2, Q3 and Q4 categories, which evaluate the placement of the journal in specific field (fields) by the value of their impact factor (IF):

- Journals with $IF \geq IF_{0.75}$ (upper quartile) belong into the Q1 category.
- Journals with IF, belonging into $IF_{0.5} \leq IF < IF_{0.75}$ range belong into the Q2 category,
- journals with the IF of $IF_{0.25} \leq IF < IF_{0.5}$ belong into the Q3 category
- and journals with $IF < IF_{0.25}$ (lower quartile) belong into the Q4 category.

Rewards for papers in the Q1, Q2, Q3 and Q4 categories are distributed in the ratio 8:4:2:1 respectively. Reward to the internal author of BUT will be calculated according to the equation:

$$
Reward = X \frac{8 \sum_{i=1}^{n_{Q1}} \frac{EF}{\langle EF \rangle_i} + 4 \sum_{i=1}^{n_{Q2}} \frac{EF}{\langle EF \rangle_i} + 2 \sum_{i=1}^{n_{Q3}} \frac{EF}{\langle EF \rangle_i} + \sum_{i=1}^{n_{Q4}} \frac{EF}{\langle EF \rangle_i}}{\sum_{i=1}^{n_{Q1}} \frac{EF}{\langle EF \rangle_i} + \sum_{i=1}^{n_{Q2}} \frac{EF}{\langle EF \rangle_i} + \sum_{i=1}^{n_{Q3}} \frac{EF}{\langle EF \rangle_i} + \sum_{i=1}^{n_{Q4}} \frac{EF}{\langle EF \rangle_i}} /PN
$$

where n_{Q1}, n_{Q2}, n_{Q3}, n_{Q4} are non-negative integers giving the number of occurrences of the journal in categories Q1, Q2, Q3 and Q4 throughout individual scientific fields, into which the journal is placed while respecting paragraph 2 of this decision, *EF* is the value of the journal eigen factor, *<EF>* is the average eigen factor value of the journals in the ith scientific field, PN is number of authors. Bibliometric values are taken from WoS in the 3rd quarter of the year n, X coefficient is calculated from the total number of papers from the whole university in such a way, that the full assigned financial sum for the Motivational system is spent.

6. If the internal author is a student of a full-time study program of BUT, the reward is paid in the form of a special scholarship from the same source. All students, who are internal authors in accordance with the paragraph 5 of this decision, will be awarded a special Honorable recognition of BUT for placement in the Motivational system for the increase of performance and quality in the field of scientific research.

Article 2
Closing provisions

7. This internal regulation takes effect the day specified in its header.

Prof. RNDr. Ing. Petr Štěpánek, CSc.
rector