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From: Prof. Dr. Anna Naidenova Tolekova, MD

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Subject: Competition for associate professor in the scientific specialty "Pharmacoeconomics and Pharmaceutical Regulation"; field of higher education 7. Healthcare and sports, professional field 7.3. Pharmacy for the needs of the specialty "Assistant Pharmacist" - one in 0.5 staff, at the Medical College, Thracian University, Stara Zagora

Information about the competition

The competition has been announced for the needs of the Medical College in SG no. no. 61 / 10.07.2020

Brief information about the candidates in the competition

In the competition for 'associate professor', documents were submitted by 2 candidates: master pharmacist Nikolai Gerasimov, Ph.D. and master pharmacist Anna Mikhailova, Ph.D.

1. General presentation of the received materials

From a formal point of view, the documents submitted by the candidates correspond to the required ones, reflected in the RULES FOR THE DEVELOPMENT OF THE ACADEMIC COMPOSITION at the Thracian University - Stara Zagora, Art. 71 (1). This correspondence was also reflected in the first meeting of the jury.

However, upon careful reading and analysis, I found that Anna Mihaylova's documentation revealed a lot of inaccuracies. Despite the presence of a reference from the TrU library on the list of publications, in the presented list, publications without impact factor are marked as such. There is no correspondence between the document issued by the TrU library and the list submitted by the candidate. This has led to incorrect reporting of points when presenting scientometric indicators.

2. Brief biographical data of the candidates

1. Nikolai Gerasimov

Nikolay Gerasimov graduated in pharmacy in 1994 at the Faculty of Pharmacy, MU-Sofia. Acquired a specialty in "Organization and Economics of Distribution and Pharmacy Practice" at the Medical University, Sofia in 2001. Developed a doctoral thesis on "Medical

devices in the pharmaceutical nomenclature - legislative and social aspects of their provision in Bulgaria", which he successfully defended in 2016 and acquired ONS "Doctor".

The candidate's career development is related to his work in a hospital pharmacy in MBAL-Dobrich AD and as a manager of a number of pharmacies, as well as a wholesale warehouse. He is currently the manager of the Subra pharmacy in the town of Dobrich. Gerasimov has a teaching practice in the period 1997-1999 as a part-time assistant in the Medical College of MU, Varna in Dobrich and in 2013 as a part-time assistant in MU-Varna.

The candidate's work experience also includes practical experience as a teacher - during 1997 and 1999 Nikolay Gerasimov was a part-time assistant in pharmacology at the Medical College of MU-Varna in Dobrich, where he conducted practical exercises in pharmacology for students majoring in "nurse"., and in 2013 he was a part-time assistant at MU-Varna, where he conducted practical exercises and lectures for pharmacy students. He speaks German, English and Russian at level B1 - written and spoken. He is a member of ISPOR, BNDF and BFU.

2. Anna Mikhailova

In 1995, Anna Mihailova acquired a bachelor's degree in rehabilitation at the Medical College in Plovdiv. She acquired additional bachelor's degrees in administrative and health management in 1998 and in health care in 2000. She upgraded her education with a master's degree in public health and health management in 2004 at MU-Sofia, and in 2008 she graduated Master's degree in Pharmacy at the Medical University of Plovdiv. She enrolled in a doctoral dissertation and defended her doctoral thesis on "Epidemiological and pharmaco-economic study of corticosteroid prevention of hyaline-membrane disease in premature infants" in 2018, acquiring ONS "Doctor of Pharmacy".

During the period 1996-1997 Anna Mihailova worked as a rehabilitator at St. George University Hospital. From 1997 she started working as a senior lecturer at the Medical College of the Medical University of Plovdiv. In 2008 she signed a management contract with Kanto Pharma EOOD Pharmacy, for the position of Pharmacy Manager. I find a discrepancy between the legal requirements provided for in the Law on Medicinal Products in Human Medicine and the combination of the two positions. Mihailova speaks C1 English and spoken Italian and Russian.

3. General characteristics of the candidate's activity

Teaching activities

1. Nikolai Gerasimov

The candidate has submitted documents for a part-time lecturer at MU-Varna and MC-Dobrich. In the college he taught practical classes in pharmacology to students of "nurses", and in the Faculty of Pharmacy - exercises and lectures of students of pharmacy at the

Department of Pharmaceutical Sciences. He has served as a supervisor of undergraduate internships for pharmacy students.

2. Anna Mikhailova

The candidate has submitted documents which show that in 2018 and 2019 there are 200 hours of practical classes and 1000 hours of clinical practice with students "assistant pharmacists". In 2020, 55 hours of lectures, 100 hours of exercises and 435 hours of classes were added to the study load initial practice. Anna Mihailova also has experience as an academic mentor to students participating in the Student Internships project. She is a co-author of several textbooks "Medical Devices", "Guide to Pharmaceutical Care" and "Training Practice".

Research activity

1. Nikolai Gerasimov

Nikolay Gerasimov participated in the competition with 16 publications, 2 of which are in print. Of the remaining 14 publications, 5 are published in non-peer-reviewed peer-reviewed journals and 9 are in peer-reviewed and indexed global databases. The presented publications are entirely oriented in the direction of the competition. I would like to note that the author groups of the articles are small, as in eight of the articles he is on the first and / or second position. This unequivocally shows the leading role of the author in their production. In addition, the author correctly presents the scientometric indices of the publications and has attached a separation protocol with his co-authors to the documentation. The overall publication of the author is entirely oriented in the direction of the competition, namely pharmacoeconomics and pharmaceutical regulation.

The reference for citations shows that out of 19 citations, 4 are in referenced and indexed global databases, and 9 in foreign sources and 6 - in Bulgarian magazines.

The confirmation of the focus of the overall scientific activity in the competitive direction are the international and national participations in scientific forums. In addition, I should mention his participation in a project entitled "Assessing the safety of hernia sheets by examining their mechanical compatibility with tissues and the quality of life of patients."

Monograph

The candidate Nikolay Gerasimov has presented an independent monograph on "Medical devices - legislation and economic aspects". The topic of the monograph is developed on 206 pages and is accompanied by reviews by authoritative scientists in the field, Prof. Genka Petrova, Ph.D. and Assoc. Prof. Miglena Doneva, Ph.D. It is a natural continuation of the topic of the doctoral dissertation, but it is already based on the new normative acts, which have undergone significant changes since the period of defense. The economic aspects of the European technological medical industry are analyzed. The author has cited and used sources published in the last 3 years. The new EU legislative framework has been thoroughly examined - Regulation MI 2017/745 / EU, which entered into force in

May 2020 after a three-year transition period, and Regulation in vitro MI 2017/746 / EU, which replaced Dir. 98/79 / EC with a five-year transitional period. The applicant has not passed the challenges facing the current European legislation in the context of the COVID 19 pandemic and the health and economic crisis caused by it. The above gives me reason to assume that this case is a monographic work that meets all the requirements for writing a monograph.

Contributions

I accept the candidate's contributions as precisely described and precisely formulated. They summarize the significant issues discussed in his publications and have both scientific-theoretical and scientific-applied nature.

I positively assess the scientific asset of the candidate Gerasimov as fully consistent with the needs of the competition not only in terms of quantity but also in terms of quality, respectively the direction of the procedure.

2. Anna Mikhailova

The scientific asset presented by Anna Mikhailova is large in volume, but it is in different scientific fields and not all publications and citations are in the field and direction of the competition procedure. Several facts make an impression, namely:

- Publications 2, 3 and 4 have been assigned an impact factor without having one. These publications are with SJR, as well as 6 more from the list.
- The points are calculated incorrectly using those of direction 7.1. Medicine, not in accordance with the minimum requirements for Pharmacy.
- It makes an impression that most of the publications are with large teams of authors, in which the personal contribution of the candidate is lost. In addition, I would like to note that there is no separation protocol from the co-authors.

Analyzing the publications, I accept that the topics and direction of the announced competition are:

- Dimov X, Mihailova A, Mihailova K. Study of the prophylactic and therapeutic effect of the product "Sanar", Science & Technologies, vol. II (1), 2012.
- Mihailova A, Hadjieva B, Koleva N, Koleva P. The prophylactic and curative effect of Resveratrol in wine therapy, Science & Technologies, vol. II (1), 2012.
- Dimov X, Mihailova A, Koleva P. Study of the prophylactic and therapeutic effect of the product "Progovital". Yearbook of the Union of Scientists Blagoevgrad, Volume 6, Part 2, 2012.
- Koleva P, Koleva N, Hadjieva B, Mihailova A. Nutritional supplements - reliable sources for informing the consumer. Science & Technologies, vol. III (1), 2013.

- Koleva P, Mihailova A, Hadjieva B, Koleva N, The need for pharmaceutical care in advising the patient on the intake of food supplements. *Science & Technologies*, vol. VI (1), 2014.
- Hadjieva B, Mihailova A, Koleva P, Koleva N. Project "Student Internships44 - motivation and opportunities for development of professional skills in students assistant pharmacists. *Management and education*. Volume XI (5) 2015.
- Mihaylova A, Uchicova E, Parahuleva N, Gueorguiev S. Use of corticosteroids to prevent complications in preterm birth, *Pharmacia*, 63 (4), 42-51, 2016.
- Mihailova A, Petkova-Georgieva E, Koleva P, Staykova R. Analysis of the costs for therapy in premature children with respiratory complications, *Collection of scientific reports Science and Youth-MU Plovdiv*, 169-175, 2018.
- Stoyanova V, Staykova R, Petkova-Georgieva E, Mihailova A. Safe and rational drug use during pregnancy: the role of the pharmacist. *Collection of scientific communications Science and Youth - Plovdiv Medical University*, 86-90, 2018.
- Petkova-Gueorguieva ES, Getov IN, Ivanov KV, Ivanova SD, Gueorguiev SR, Getova VI, Mihaylova AA, Madzharov VG, Staynova R. Regulatory Requirements for Food Supplements in the European Union and Bulgaria, *Folia Medica* 60 (4): 95 -101, 2018.
- Mihaylova A, Uchikov P, Staynova R. Study the opinion of pharmacy students on electronic learning. *Knowledge Management*, 26 (2), 565-568, 2018.
- Mihaylova A, Uchikov P, Uchikova E, Buttigieg G, A study of the pulmonary complications of preterm infants after prenatal corticosteroids prophylaxis in a major Bulgarian hospital, *Malta Medical Journal*, 31, 17-23, 2019.
- Mihaylova A, Kasnakova P, Gueorguiev S, Petkova-Gueorguieva E, Peikova L. Cost analysis of neonates after prenatal corticosteroid prophylaxis of Respiratory Distress Syndrome, *Pharmacia* 67 (4), 209-214, 2020.
- Mihaylova A, Hadzhieva B, Career Prospects of Assistant Pharmacist Graduates of Plovdiv Medical University Bulgaria - In The Past and Present. *European Scientific Institute Proceeding*, 26-32, 2020.
- Petkova EG, Papanov SI, Mihaylova AA, Ivanov IG. Individual work and the attitude of students. *International scientific periodical journal "The Unity of Science"*, 55-58, 2020.
- Kilova K, Mihailova A, Ganchev G. Application of information and communication technologies in pharmaceutical care. *Collection of reports of USB Plovdiv* (in press)
- Михайлова А, Каснакова П., Хаджиева В., Аргилашки Д. Stress in the work of the pharmacist in a COVID19 pandemic. *Collection of reports of USB Plovdiv* (in press).
- Kristina Kilova, Anna Mihaylova, Lili Peykova. Opportunities of information communication technologies for providing pharmaceutical care in the COVID-19 pandemic. *Pharmacia* (in press).

In 13 of them, Anna Mihailova is the first and second author, which unequivocally proves her role in their production. Of these, 1 is under printing and only 4 have SJR.

In regard of the citations, I would apply the same approach to removing those that are citations of publications outside the subject of the competition. The final balance is 3 citations in sources referenced in world databases and 15 in non-referenced journals.

The candidate actively participates in various scientific forums with scientific communications, some of which are related to pharmaceutical regulation, and others to obstetrics and gynecology and rehabilitation.

Monograph

Anna Mihailova presents an independent monograph "Good pharmaceutical practice in the training of assistant pharmacists" as a habilitation thesis. It was reviewed by Assoc. Prof. Desislava Bakalova, MD and Assoc. Prof. Stanislav Georgiev, Ph.D. Analyzing the monograph, I would like to note that it is closer to a student guide than to a monograph that fits the definition of one. Despite my vision, I comply with the assessment of the candidate and the 100 points.

With regard to the second work, presented as a monograph, I do not accept that it be evaluated as a monograph. The share of topics related to pharmacoeconomics is relatively small, about 70 pages. The authorship of the individual chapters is not clear. Anna Mihaylova's contribution to her writing is not defined either.

Contributions

The contributions are systematized in the main areas related to the presented two monographs. They are well worded, but there are no citations from the publications. I am left with the impression that the publications were not used to formulate the contributions.

In conclusion, I could offer the following comparison of the candidates:

In the table I present only the indicators on which there are differences between the candidates:

Group of indicators	Contents	Required points for "Associate Professor"	Number of points of the candidate Anna Mihaylova	Number of points of the candidate Nikolay Gerasimov
D	Sum of indicators from 5 to 9	200	188	278
E	Sum of indicators from 10 to 12	50	155	135
F	Sum of indicators from 13 to the end	0	81,6	85
Total		400	424,6	498

Conclusion

The applicants have sufficient scientific achievements and not only cover but also exceed the minimum scientific requirements. The scientific asset of the candidate Nikolay Gerasimov is focused entirely on the topic and direction of the competition, unlike that of Anna Mihailova. The evidence presented by him speaks of purposeful and thorough work. All of the above gives me a reason to rank master pharmacist Nikolay Gerasimov in the first place in the competition procedure and to propose that he be awarded the academic position of "Associate Professor" in the scientific specialty "Pharmacoeconomics and Pharmaceutical Regulation"; field of higher education 7. Healthcare and sports, professional field 7.3. Pharmacy for the needs of the specialty "Assistant Pharmacist" - one in 0.5 staff, at the Medical College, Thracian University, Stara Zagora.

18. 12.2020

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