

WRITTEN STATEMENT

by prof. Evgeni Evgeniev Grigorov, MScPharm, PhD,

Senior lecturer at the Department of Organization and Economics of Pharmacy at

Faculty of Pharmacy, Medical University "Prof. Dr. P. Stoyanov"-Varna

(External member of Scientific jury, according to order № P-2159/24.06.2024 of

Prof. Dr. Maria Tokmakova, PhD – Vice Rector of MU-Plovdiv)

Subject: Competition for the academic position of "Associate Professor" in field of higher education 7. Healthcare care and sports, professional field 7.3. Pharmacy: scientific specialty "Pharmacoeconomics and Pharmaceutical regulation" at the Department "Management of health care" for teaching in the specialty "Pharmaceutical Business Management" in Bulgarian - one staff member, published in SG, no. 35 of 19.04.2024

The only applicant for the announced competition is Senior educator Anna Atanasova Mihailova, MScPharm, PhD

I. Analysis of the candidate's career profile.

During her professional development, after graduating from high school, Mrs. Anna Mihailova has successively acquired one semi-higher and two higher educations, and in 2008 she graduated with a master's degree in "Pharmacy" from the Faculty of Pharmacy at MU-Plovdiv. Her first master's degree was in "Public Health and Health Management" from 2004, acquired at the Faculty of Public health of MU-Sofia.

Since 1997, her career development has been related to teaching work at MU-Plovdiv. In 2009, she took the position of "senior educator" for the "Assistant Pharmacist" specialty at the Medical College. Mag. Pharm. Anna Mihailova also has extensive practical experience in the pharmaceutical field, as she is a long-time owner and manager of a pharmacy business. In 2018, he obtained the educational and scientific degree "doctor" by defending a dissertation on the topic "Epidemiological and pharmacoeconomic study of corticosteroid prophylaxis of hyaline-membrane disease in prematurely born-children" (diploma No. 255DM/07.06.2018). Her doctoral studies are on the accredited in PF 7.3. Pharmacy, doctoral program "Pharmacoeconomics and Pharmaceutical Regulation". She has 2 recognized specialties in the health care system: "Medical pedagogy" (2007, FPH, MU-Sofia) and "Organization and economics of distribution and pharmacy practice" (2022, FPh, MU-Plovdiv).

Since 2023, she has been reappointed as a "Senior educator" at the Department of "MHC", FPH, where she is the head of the newly created Master's degree programme "Pharmaceutical Business Management". Magister-Pharmacist Anna Mihailova was responsible for the research activity of the specialty "Assistant Pharmacist" and a member of the Council of the Medical College at the Medical University-Plovdiv for

the period 2012-2022. She received the maximum rating "Very Good" from the last attestation conducted, which was for the period 2018-2020.

I believe that the profile of her career development fully corresponds to the field of the announced competition.

II. General description of the submitted materials for the competition.

The submitted set of materials on an electronic medium is in full compliance with the legal requirements and the set of criteria and indicators for occupying the relevant academic position, according to the LDASRB, the Regulations for its implementation and the Regulations for the employment of AP "Associate Professor", adopted in the Regulations for the structure and activity of MU-Plovdiv. The presented evidence is not repeated with the submitted and evaluated ones when acquiring the educational and scientific degree "doctor" and occupying the position of "senior educator".

All administrative deadlines for conducting the competition have been met.

Mag. Pharm. Anna Mihailova has also submitted numerous additional documents and evidence to them: a certificate of English language proficiency (Cambridge English Level 2 Certificate in ESOL International C1), a certificate "Psychology and Psychotherapy of Crisis States", certificates showing the candidate's participation in international scientific forums, held in the country and abroad, work with students and others.

III. Evaluation of the scientific works of the candidate for the overall academic development.

For participation in the competition, mag. pharm. Anna Mihailova has provided a detailed list of scientific publications, monographs and monograph chapters. In her career, she is the author and co-author of over 90 scientific publications. The presented scientific works do not include those used in the defense of the ESD "doctor". The period of publication of the articles is from 2012 to now, and my scientific production submitted for review includes a total of 86 publications; 35 publications in scientific publications, refereed in Scopus and Web of Science, of which 17 are with Impact Factor (Clarivate analytics); 51 publications in peer-reviewed journals or published in edited collective volumes.

Mag. Pharm. Anna Mihailova has provided evidence of participation in a total of 9 scientific and educational projects. Two of them are international, and in 1 of the projects he is a leading expert.

The scientific contributions presented in the reference are the result of the candidate's research and practical project activities and work with multidisciplinary teams including students.

Main directions in the research activity of the mag. pharm. Anna Mihailova, which can be summarized are:

1. PHARMACEUTICAL REGULATION

- ✓ Issuance and regulation of medicinal products and nutritional supplements
- ✓ Regulation in crisis situations and fight against some infectious diseases.

2. PHARMACEUTICAL CARE

- ✓ Pharmaceutical care and counseling of patients, role of the pharmacist in drug therapy review

- ✓ Pharmaceutical care for some chronic diseases
- ✓ Pharmaceutical care for specific population groups
- ✓ Information and communication technologies and pharmaceutical care.

3. PHARMACOECONOMIC ANALYSIS AND MEDICO-SOCIAL ASPECTS IN PREMATURE CHILDREN

- ✓ Health economic evaluation of costs for prematurely born children with respiratory complications
- ✓ Pharmacoeconomic and epidemiological study of prenatal corticosteroid prophylaxis
- ✓ Application of surfactant therapy

4. THE ROLE AND PLACE OF NUTRITIONAL SUPPLEMENTS IN PHARMACEUTICAL PRACTICE

- ✓ Therapeutic action, benefits, regulation
- ✓ Undeclared ingredients in nutritional supplements and alternative products on the market

5. IMPROVING THE QUALITY OF EDUCATION OF MEDICAL SPECIALISTS

- ✓ Good pharmaceutical practices in vocational training
- ✓ Digitization in modern professional/medical education
- ✓ Additional opportunities for practical training and research activities

6. DEVELOPMENT OF ELECTRONIC HEALTHCARE IN BULGARIA

- ✓ Importance of eHealth to optimize pharmaceutical care
- ✓ Telepharmacy – clinical benefits and challenges
- ✓ Ethical challenges related to digital technologies and artificial intelligence in healthcare.

7. THERAPEUTIC APPROACHES AND REHABILITATION PROGRAMS FOR SOCIALLY SIGNIFICANT DISEASES

- ✓ Chronic disease management
- ✓ Modern dimensions of health tourism
- ✓ Multidisciplinary rehabilitation approaches

8. THE IMPACT OF THE COVID-19 PANDEMIC ON SOME ASPECTS OF SOCIAL LIFE

- ✓ Effective management of learning in a remote electronic environment
- ✓ Innovative technologies to help students
- ✓ Challenges for medical professionals in pandemic conditions

9. APPLICATION OF BIOPRINTING AND 3D PRINTING IN HEALTHCARE

- ✓ Application of bioprinting in personalized medicine, dentistry and in the pharmaceutical sector.
- ✓ 3D (bio)printing in modern medical education
- ✓ Ethical and legal regulation of bioprinting

IV. Evaluation of the monographic work or equivalent publications submitted by the candidate for participation in the competition for "Associate Professor".

The candidate is the author and submits as the main monographic work "Good pharmaceutical practice in the training of assistant pharmacists", published 2020 (ISBN 978-619-236-208-9), with two reviewers. The monograph contains 187 pages, and the volume and topic fully comply with the legal requirements and the Regulations for the organization and activities of the MU-Plovdiv. The monographic work is dedicated to a multi-component current issue, namely the modern concept of good practices in the field of pharmacy, rules for standards and quality of the offered pharmaceutical and health services, public health and education intertwined with various aspects in the training of assistant pharmacists and their formation as health professionals. In this field, the author has many years of experience and skillfully interweaves pharmaceutical practice and pharmaceutical care with the educational service for the training and professional development of assistant pharmacists. Mag. Pharm. Anna Mihailova is the author of the curriculum and the content of the training course for the additionally studied discipline "Good Pharmaceutical Practice" at the Medical College at the MU-Plovdiv.

The other presented monographic work is co-authored by A. Mihailova and N. Parahuleva. It is on Health Economic Costing of Premature Infants with Respiratory Complications (ISBN 978-619-236 509-7), with two reviewers, is the second expanded edition printed in 2024 (the first edition is from 2020) and has a total volume of 283 pages. A separation protocol certifying the co-authorship of the two authors of the collective monograph has been correctly presented, and the volume and topic of the monographic work fully comply with the legal requirements. The monograph is dedicated to a current problem worldwide, namely the consequences of premature birth in premature newborns, prevention of complications and respiratory pathology, presented in a medico-social and health-economic aspect. Contribution is a pharmacoeconomic evaluation of surfactant administration in preterm infants. The candidate also presents evidence of participation with published chapters in three collective monographs that are the result of her project activity.

V. Reflection (citation) of the candidate's publications in the national and foreign literature (publication image).

A list and supporting material for 68 citations in the Scopus and Web of Science databases is presented; 6 citations in monographs and books; 110 citations in non-refereed peer-reviewed journals. A total of 156 of the publications were cited by foreign authors, 28 of the publications were cited by Bulgarian authors.

Candidate Anna Mihailova's H-Index is 5 on Scopus and 4 on Web of Science.

VI. Comprehensive, qualitative evaluation of the teaching-methodical and teaching activity, incl. scientific guidance of students.

The report on the study load of Senior educator Anna Mihaylova for the last 3 years, respectively: 1250.6 hours, 1246.2 hours and 881.6 hours, shows an extremely large study load, which exceeds the norm for non-qualified teachers (360 hours).

Sr. educator Anna Mihailova conducts practical exercises and seminars, and participates in conducting the semester exams in the academic disciplines:

- Human resources management of first-year students, majoring in "Pharmaceutical Business Management";
- Business ethics and communication of first-year students, majoring in "Pharmaceutical Business Management";
- Quality management in the pharmaceutical sector of II-year students, majoring in "Pharmaceutical Business Management";
- Good pharmaceutical practice of 1st year students, specialty "Assistant Pharmacist";

She leads 30% of the lectures on the disciplines: Basics of pharmaceutical management; Pharmacoeconomics; Specificity of the drug-supply process; Organization of activity and pharmaceutical care when dispensing OTC medicinal products.

In recognition of her teaching and scientific qualities, she was also appointed as a member of the State Examination Committee on "Social Pharmacy and Pharmaceutical Legislation" at the Medical College at the MU-Plovdiv.

She has worked actively with students and as a result has a number of joint publications and participation in national and international forums. She has been an advisor, mentor and mentor to interns and students on various international programs.

VII. Critical notes and recommendations.

I have no substantive critical remarks on the applicant's works. I recommend Senior educator Anna Mihailova to continue her work on scientific research in the field of "Pharmacoeconomics and Pharmaceutical Regulation".

VIII. General assessment of the applicant's compliance with the minimum national requirements under Art. 2b, para. 2 and 3, respectively, to the requirements under Art. 2b, para. 5 of ZRASRB and the specific units for MU - Plovdiv.

The indicators of senior educator Anna Mihailova and the required minimum number of points from the mandatory minimum requirements for holding AP "Associate Professor" are presented comparatively, with the candidate having 3610.3 points, and the minimum is 1270 points.

A group of metrics	Content	Minimum number of points according to national requirements in LDASRB	Regulation on employment of AP "Associate professor", adopted in the Regulations for the structure and activity of MU-Plovdiv	Senior educator Anna Mihailova
Δ (A)	Indicator 1	50	50	50
V (B)	Indicator 3 or 4	100	100	100
G (Γ)	Sum of metrics from 5 to 9	200	210	935,9
D (Δ)	Sum of metrics from 10 to 12	50	300	1630
E (E)	Sum of metrics from 13 to 22		50	347,4
J (Z)	Teaching activity		360	547
Total points		400	1270	3610,3

The scientific indicators of St. Prof. Anna Mihailova exceed the minimum national requirements specified in the RA LDASRB. The data also show that the candidate Anna Mihailova meets the mandatory conditions and significantly exceeds the quantitative criteria specific to MU-Plovdiv for the professional direction 7.3. Pharmacy for employment at AP "Associate Professor".

IX. Personal impressions. I know Senior educator Anna Mihailova from meetings at scientific forums and conferences, and I can say that I am impressed by her organization, precision and commitment in the presentation of the results of her scientific research and the demonstrated activities in extracurricular work with students.

CONCLUSION

Senior educator Anna Atanasova Mihailova, MScPharm, PhD doctor presents herself in the announced competition with a significant number of original real publications and a sufficient number of citations. Her publications cover topics in the field of the "Pharmacoeconomics and Pharmaceutical Regulation" competition, and the presented scientific works contain significant scientific-theoretical and applied contributions. The candidate has more than 15 years of teaching experience. Her academic load in the last 3 years significantly exceeds the university norm. With all of her data, senior educator Anna Mihailova satisfies the uniform minimum requirements for occupying the academic position of "associate professor", according to the LDASRB, the Regulations for its implementation and the Regulations for the organization and operation of MU-Plovdiv.

Everything presented so far gives me grounds to vote positively and fully convinced to suggest to the honorable Scientific Jury to choose ST. EDUCATOR ANNA ATANASOVA MIHAILOVA.

PHD in the academic position "Associate Professor" in the scientific specialty "Pharmacoeconomics and Pharmaceutical Regulation" at the Department of "Health Care Management" at the FPH of the Medical University-Plovdiv, for teaching in the specialty "Pharmaceutical Business Management" in Bulgarian language.

Varna
20 August 2024.

Member of the scientific jury:

Заличено на основание
Чл.5 §1, б."В" Регламент (ЕС)2016/679

.....
(Prof. E)

By signing here, I declare that I am not a person related to the candidate, and that I have no private interest that could affect the impartial and objective implementation of giving an opinion in this competition for the academic position of "Associate Professor".