

STATEMENT EVALUTAION

by

Prof. Dr. Snejina Gueorguieva Vassileva, MD, Ph.D.

Department of Dermatology and Venereology, Medical University - Sofia

Regarding: Competition to occupy the academic position "**professor**" in the specialty "**Dermatology and Venereology**", professional direction 7.1. Medicine, area of higher education 7. Health care and sports - one, 0.75 full-time position for the needs of the "Medical Cosmetologist" Educational Sector at the Medical College - Varna, announced in the Official Gazette, no. 59/26.07.2022.

On the basis of Order No. R-109-369 of 21.09.2022 of the Rector of the University of Varna and with the decision of the Scientific Jury under Protocol No. 1 of its meeting, I have been appointed to prepare a review for the occupation of the academic position "Professor" according to the above competition, with a single candidate, Assoc. Prof. Ilko Georgiev Bakardjiev, MD.

I. Brief information about the competition.

All requirements and deadlines of the competition procedure have been met. The documents have been prepared in accordance with the requirements for the Law for Development of Academic Staff in Republic of Bulgaria, the Regulations for its application and the rules for the development of the academic staff of the Medical University "Prof. Dr. Paraskev Stoyanov" - Varna.

II. Brief biographical data

Assoc. Prof. Dr. Ilko Georgiev Bakardjiev was born on 28.05.1968 in the city of Varna. He graduated from the Medical University - Varna in 1994. In 2001 he acquired a specialty in Dermatology and venereology and worked as a dermatovenerologist at the "Chaika" DCC - Varna (former Kurortna polyclinic), where he is practicing until now, which makes a total work experience in the specialty 21 years and 5 months. From 2001 - 2007, he was a doctoral student at the Skin Clinic, Aleksandrovska Hospital - Sofia, and in 2007 obtained the educational and scientific degree "Doctor" after successfully defending his dissertation on the topic "Modern aspects in the etiology, diagnosis and treatment of non-gonococcal urethritis ". Since 2007 until now, he has been a part-time teacher (2007-2012), "Associate Professor"

(since 2013), and head of the "Medical Cosmetologist" academic department (since 2015) at the Medical College, Medical University "Prof. Dr. Paraskev Stoyanov" - Varna. He has fluent knowledge of written and spoken English and Russian languages and computer literacy. He is a member of the Bulgarian Dermatological Society, Bulgarian Medical Union, Union of Scientists in Bulgaria, Balkan Association for the History of Medicine, and the International Dermoscopy Society.

III. Teaching and learning activities

According to the attached certificate from the University of Varna, the teaching experience of Assoc. Prof. Ilko Bakardjiev amounts to a total of 9 years and 3 months, and for the period of April'2013 until August'2022 includes the positions of head of the educational sector and associate professor at the University of Varna Medical College, where he gives lectures and conducts practical exercises in dermatology for the students in the specialty "Rehabilitator and Medical Cosmetologist". In the last 4 academic years, namely 2017/2018, 2018/2019, 2019/2020, and 2020/2021, his annual study load amounts to 295, 409, 434 and 440 hours respectively, for a total of 1578 hours; this exceeds several times the required amount of 131 hours due by regulation.

According to certificate No. 109-673/02.08.2022 from the University of Varna, Assoc. Prof. Bakardjiev is the scientific supervisor of 4 postdoctoral students in the doctoral program "Dermatology and Venereology" in an independent form of study, of whom three have successfully defended theses and obtained the degree of "Doctor".

IV. Research activity

Assoc. Prof. Ilko Bakardjiev participates in the competition with a total of 102 scientific works, including:

Related to the dissertation work: 5 publications.

Presented in a competition for the degree "Docent": 47 publications with a total IF = 10.312

Presented in a competition for the degree "Professor": 50 publications.

- 1 abstract of a dissertation work defended in 2007 (Indicator A1 of the attached academic reference)
- 11 scientific publications, equivalent to habilitation work, published in international refereed scientific journals in the WOS and Scopus databases (Indicator B4);

- 10 scientific articles published in international refereed scientific journals in the WOS and Scopus databases, other than those mentioned above (Indicator D7);
- 11 publications in non-refereed international scientific journals (outside the WOS and Scopus databases) and Bulgarian scientific journals (from the NACID list) (Indicator D8)
- 16 publications (4 of them abroad) in non-refereed journals, beyond the necessary minimum for compliance with the minimum national requirements for AD "professor"
- List of ADD (additional)
- 1 participation in a monograph, non-habilitation work (Indicator D9).

The analysis of the scientific works according to the scientometric requirements demonstrates that the candidate meets the scientific criteria for occupying the academic position "professor", as indicated in the table attached below:

Indicator	Professor required	Candidate - available
A1	50 points	50 points
B4	≥ 10 pieces	11 (120,93 points)
G7	≥ 80 points	130,17 points (10 pieces)
G8	10 pieces	11 (92,79 points)
G9		1 (10 points)
Total G5-G9	200 points	232,96 points
D10	100 points	9 citations in refereed journals – 135 points

Assoc. Prof. Bakardjiev is an independent or 1st author in 12 scientific works (1 abstract from a dissertation work, 5 publications in Bulgaria and 6 abroad, of which 5 in Scopus. He is one of the authors of the monograph "Dermatopathology of the male genitalia", 2017. , Publishing house B & B Consult, Sofia, ISBN 978-954-91952-2-4.

According to the attached academic reference, issued by the library of MU-Varna (Exh. No. 641/16.08.2022), the total impact factor of the presented scientific production of Assoc. Prof. Dr. Ilko Bakardjiev is 18.693 (articles published after 2013). His scientific works have been cited 9 times in indexed and referenced scientific publications (Scopus), which covers the requirements of Indicator D10 of the minimum national requirements for occupying the AD "professor" (total 135 points with a requirement of 100 points).

The scientific activity of Prof. I. Bakardjiev includes 73 participations in 23 national and international scientific forums (of which 2 abroad), where he presented reports and posters.

The candidate is the leader of a scientific project entitled "Investigation of expression levels of immunohistochemical markers for apoptosis and necroptosis in basal cell and spinocellular carcinoma", financed by the Science Fund of MU-Varna. (No. 21013/2021)

Prof. Bakardjiev was awarded with a certificate of honor for contribution to scientific activity as an award from the Management of the Medical University "Prof. Dr. Paraskev Stoyanov" - Varna and Medical College - Varna (diploma from 2017).

V. Scientific contributions

In general, the research activity of Assoc. Prof. Bakardjiev reflects his diverse scientific interests, originality and affinity for the implementation of new diagnostic and therapeutic methods dictated by the modern achievements of dermatological science. The main scientific contributions of his works are in the following areas:

- Diagnosis and therapy of skin and venereal diseases:
- ✓ Developments dedicated to non-gonococcal urethritis and various diseases in the anogenital area stand out here. For the first time in our country, a prospective systematic clinical-laboratory study of patients with *non-gonococcal urethritis (NGU)* is being conducted with the aim of searching for prognostic and diagnostic criteria and optimizing therapeutic schemes. The correlation with demographic, social and professional activity was analyzed. The significance of the specific risk factors has been identified;
- ✓ For the first time in Bulgaria, a computer program has been developed and implemented for registering and monitoring patients with NGU, in line with world standards. As a priority for our country, the role of genital mycoplasmas in the etiology of NGU has been reported.
- ✓ Large-scale studies of patients with urethritis, epididymitis, prostatitis, cervicitis, endocervicitis, pelvic inflammatory disease and sterility were carried out and correlations between the diagnostic methods EIA, ELFA and PCR in the diagnosis of *Chlamydia trachomatis*, *Neisseria gonorrhoeae*, *Mycoplasma* were implemented as a priority and established. *genitalium* and *Ureaplasma urealyticum*.
- ✓ A remarkable contribution of a scientific-theoretical and scientific-practical nature is the monograph "Dermatopathology of the male genitalia", dedicated to infectious

diseases in the area of the penis, balanitis, balanoposthitis, precancers and tumors of the penis, diseases of the scrotum, testicles and various types of urethritis.

- **Oncodermatology:**

- ✓ Modern concepts in the immunopathogenesis and oncogenesis of various skin neoplasms, their histological verification, clinical picture, various therapeutic schemes have been analyzed, incl. dermosurgical methods, prophylaxis and prevention.
- ✓ He is the author of a *Useful model "cryotronic applicator"* with wide application in medicine, especially in dermatology, obstetrics and gynecology for the removal of various exophytic neoplasms.

- **Dermatologic mycology:**

- ✓ For the first time in Bulgaria, high-class randomized - prospective cohort studies were conducted regarding the sensitivity of different blood groups to androgen-associated sapromycoses, dermatophyte onychomycoses and their comorbidity to common diseases, in order to assess the cause-effect relationship of endodemographic polymorphism in patients with epidermophytoses and onychomycoses.
- ✓ The "fingerprint method" was applied and implemented for microbiological examination of pathogenic yeasts from skin lesions and evaluation of the effect of antimycotic treatment; the results of these studies prove the primary etiological role of the yeast of the *Malassezia genus (Pityrosporum ovale)* in the occurrence of seborrheic dermatitis, respect. seborrheic dermatitis of the capillitium.
- ✓ Various types of trichoscopic criteria and algorithms for clinical behavior in patients with seborrheic dermatitis of the capillitium are presented.
- ✓ This field also includes studies on infections caused by various pathogenic microorganisms and complications in transplanted patients.

- **Casuistic**

- ✓ Research has been conducted on non-specific clinical manifestations of zinc deficiency in dermatological practice, the diagnosis of which is a challenge for the clinician;
- ✓ Of particular interest are the casuistic descriptions of some diseases published in Bulgarian and foreign publications, some of which are extremely rare or have not been described so far - Darier disease following Blaschko lines, Unilateral unique Lupus

Tumidus, Fibroepithelioma of Pinkus, Giant extragenital Bowen disease, Osteoma cutis - Neoplasia or Paleogenetics.

- **Applied cosmetology and dermatocosmetics**

- ✓ Contemporary reviews have been published, as part of his direct teaching activity, on: Peptides in dermatocosmetics, Dynamic hyaluronic acid - an innovative formula for rejuvenation, Microneedle mesotherapy, Pearl powder - medical and dermatocosmetic innovations, Coconut oil, problems of Dry skin and their solutions.

VI. Therapeutic and diagnostic activity

Assoc. Prof. Dr. Bakardjiev is an established, well-prepared and thorough specialist who has earned the respect of his patients and colleagues in the field of clinical dermatology. The cryogenic applicator he invented was implemented for the first time in Bulgaria and is used in dermatovenerology, obstetrics and gynecology, medical cosmetics and aesthetic medicine. He has organizational talent and experience, evident in his activities as the main organizer of the annual Scientific and Practical Conferences "Spring Varna Dermatology Days".

Conclusion

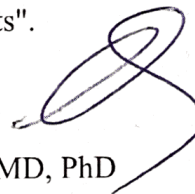
Assoc. Prof. Ilko Georgiev Bakardjiev, MD is an experienced, thorough dermatovenerologist and prominent and respected representative of the Academic Community of the Medical University - Varna, who stands out for his originality, creative flair and diverse scientific interests and initiatives among our and international dermatology collegium.

His scientific, practical and teaching activities fully comply with the requirements of the Law for Development of Academic Staff in Republic of Bulgaria, and the Regulations for the Development of the Academic Staff of the MU - Varna for occupying the academic position "professor".

On the basis of what has been stated so far and the documentation presented, I allow myself to recommend to the Honorable Jury to award Ilko Georgiev Bakardjiev, MD, PhD the academic position "professor" in the specialty "Dermatology and Venereology", professional direction 7.1 "Medicine", field of higher education 7. "Health and Sports".

Reviewer:

Prof. Snejina Vassileva, MD, PhD



Sofia, 19.10.2022