



## STATEMENT

on the materials for participation in a contest for the academic position "Associate Professor" at the Department of Mathematics and Physics, in the field of higher education 4. Natural Sciences, Mathematics and Informatics, Professional field 4.5."Mathematics", scientific specialty "Mathematical Analysis". Procedure code: WWI-AsP-1121-76.

**Candidate for participation in the competition is Assist. Prof. Dr. Yuri Mitkov Dimitrov.**

**Review Author: Kamen Krastev Delchev, Professor, Dr. of Professional Field 4.5. "Mathematics", from Sofia University "St. Kliment Ohridski".**

### **1. Brief biographical data about the candidate.**

Assistant Professor Yuri Mitkov Dimitrov, PhD, graduated successively: "Baba Tonka" Mathematical High School, Ruse (1985-1989); Sofia University "Kliment Ohridski" (BSc in Mathematics, 1989-1996); University of East Anglia, Norwich, UK (Tempus Program, 1993-1995); Michigan University of Technology, Houghton, USA (MSc in Mathematics, 1996-1998); Ohio State University, Columbus, USA (PhD in Mathematics, 1998-2006); Ohio State University, Columbus, USA (MSc in Computer Science, 2008-2010); "Angel Kanchev" University of Ruse, Ruse (PhD in Mathematics, Numerical Methods, 2013-2016). Since 2016, the candidate has held the position of Assistant Professor at the University of Forestry, Sofia.

### **2. Conformity of the submitted documents and materials of the candidate with the required ones according to the Regulations for Development of Academic Staff in the University of Forestry.**

The documents and materials submitted by the applicant are in accordance with the requirements set in the Regulations for the Development of the Academic Staff in the University of Forestry.

### **3. Assessment of the teaching activity of the candidate**

I positively evaluate the teaching and learning activities of the candidate who conducts exercises in the disciplines:

- Higher Mathematics 1st and 2nd part;
- Probabilities and statistics.

### **4. Evaluation of the scientific, scientific-applied and publication activity of the candidate.**

#### **4.1. Characteristics of the published scientific results.**

There are 26 publications presented by the candidate, of which:

- Two publications mentioned in point C4 of the "LIST of the applicant's scientific and publication activities in connection with the assessment of compliance with the minimum national requirements" (one publication with IF 5.606 for 2021, Q1 and

another with IF 2.239 for 2018, Q3, which are rated at 120 points in the list of minimum national requirements at the required 100 points).

- Twenty publications mentioned in point D7 of the "LIST of the applicant's scientific and publication activities in connection with the assessment of compliance with the minimum national requirements" (6 publications in SJR edition without IF, 14 publications in references referenced and indexed in at least one from the following databases: Zentralblatt, MathSciNet, ACM Digital Library, IEEE Xplore and AIS eLibrary, which are rated at 432 points in the list of minimum national requirements at 200 points required)

It should be noted that the applicant has 10 publications indexed in SCOPUS.

#### **4.2. Reflection of the candidate's scientific activity in literature (citation rate)**

The presented list of citations includes 47 citations mentioned in point E11 of the "LIST of scientific and publication activities of the applicant in connection with the assessment of compliance with minimum national requirements" (40 citations in scientific journals, monographs, collective volumes and patents, referenced and indexed in world-famous databases with scientific information (Web of Science and Scopus), 7 - in publications referenced and indexed in at least one of the following databases: Zentralblatt, MathSciNet, ACM Digital Library, IEEE Xplore and AIS eLibrary, which are valued at 348 points in the list of minimum national requirements at 50 points required)

It should be noted that the 10 publications of the candidate in SCOPUS have 16 citations in SCOPUS.

#### **4.3. Contributions in the scientific production of the candidate (scientific, science-applied, applied).**

The contributions of the candidate's works are presented in two or three short sentences for each article in the list of publications, which makes it very difficult to evaluate them.

Therefore, I consider as sufficient the contributions of only the 8 articles presented in the competition, which are indexed in SCOPUS, and two of them have a relatively high "Impact Factor".

#### **5. Assessment of the personal contribution of the candidate**

The submitted list of the contributions does not indicate the personal contributions of the candidate in the publications related to the competition.

However, a positive assessment on this point can be given on the basis of the fact that the candidate submits 6 individual articles in the list of publications for the competition, 3 of which are presented in point D7 of the "LIST of scientific and publication activities of the candidate in connection with the assessment of compliance with minimum national requirements". In addition, the candidate is the first co-author of 8 articles in the list of publications for the competition, 4 of which are presented in point D7 of the "LIST of scientific and publication activities of the candidate in connection with the

assessment of compliance with minimum national requirements", and one - in point C4 of the same list, there is a relatively high "Impact Factor".

**6. Critical remarks and recommendations**

Regarding the reference for the contributions in the works of the candidate (scientific, scientific-applied, applied) I have the following remark:

The contributions to the candidate's works should be summarized thematically and their nature should be emphasized (scientific, scientific-applied, applied), as well as the personal contributions of the candidate related to the works in which he is a co-author should be presented.

**7. Personal impressions**

I don't know the candidate and therefore I have no personal impressions.

**8. Conclusion**

**Based on the above, I PROPOSE the candidate Assistant Professor Dr. Yuri Mitkov Dimitrov to take the academic position of "Associate Professor" at the Department of Mathematics and Physics, in the field of higher education 4. Natural Sciences, Mathematics and Informatics, professional field 4.5. Mathematics, scientific specialty "Mathematical Analysis".**

Author of the review:

Professor, Dr. Kamen Delchev

The review was submitted on: 06.04.2022