

R E V I E W

by **Prof. Anastasia Milanova Bankova,**

Member of the Scientific Jury in the competition for occupation of academic position “Associate Professor” in the scientific field 3.7.

Administration and Management (Modeling and Forecasting in the Management) (RD 38-530 / 30.08.2019), Faculty of Economics and Business Administration, Sofia University "St. Kliment Ohridski ", published in the State Newspaper, issue 52, 02.07.2019.

Subject: Evaluation of the scientific and applied publications and professional-academic activities presented by the candidates in the competition.

Two candidates participate in the competition:

- Dr. Angel Angelov Marchev
- Dr. Pavel Todorov Stoynov.

All formal legal requirements were met when applying for the competition from both candidates.

I. Overall evaluation of the applicants.

The candidate Dr. Angel Angelov Marchev is a distinguished lecturer in management disciplines, especially in the field of modeling, simulation, forecasting in management.

He is a Doctor of Economics with a dissertation thesis "Selection of Investment Portfolio Management Models (on the example of the Bulgarian Stock Exchange)", defended by a jury at the University of National and World Economy (UNWE) and has an associate professor's title at the same university in a professional field 3.7. Administration and Management (Management Modeling

and Forecasting and Management Basics). A reference from the NACID for registration in the database of academic staff and the fulfillment of the minimum requirements for the degree of doctor and the title of associate professor is presented.

Dr. Angel Marchev is an extremely active teacher, works with students and young people and uses modern methods to teach and stimulate student professional and scientific activity. He is a member of a number of reputable international scientific organizations, founder and co-founder of Bulgarian ones. He actively promotes managerial knowledge in the country.

The candidate Dr. Pavel Todorov Stoynov shows a strong ambition to enter new scientific fields. He holds a Master's Degree in Mathematics (1996, Sofia University "St. Kliment Ohridski"), Information Technology (1996, TU-Sofia), Business Administration (Economics and Management of Tourism) (2000, Sofia University). The candidate has defended two doctoral theses – PhD in economics at UNWE with a thesis on "Improving flood risk analysis" and in the field of Earth sciences - at Sofia University "St. Kl. Ohridski". He participates in the competition with the first. Dr. Stoynov demonstrates a strong propensity for research. He is a member of international scientific organizations.

Both candidates submitted reports on the fulfillment of the minimum criteria and requirements in the country and of the additional ones submitted by the Faculty of Economics and Business Administration at Sofia University.

II. Evaluation of the scientific and applied results and contributions of the candidates.

Comparison of the data on the scientific production submitted by the candidates.

Applicants participate in the competition with:

Dr. Angel Angelov Marchev	Dr. Pavel Todorov Stoynov
Habilitation work (published, monograph) A book based on doctoral work	Competition monograph - in preparation, later presented a book
Management modeling and forecasting textbook	3 study books in statistics, insurance mathematics and probability theory
Articles in indexed and refereed journals: 5 issues	1 publication in the Annual of the Faculty of Economics and Business Administration of Sofia University, 2016
Articles in non-refereed, but peer-reviewed journals: 8 issues	Articles and reports in peer-reviewed journals and books: 14 issues
Post-doctoral total list of publications: 49 articles and reports and one monograph, 37 of which are co-authored	Common post-doctoral list of publications: 48 articles and reports, 7 of which are co-authored
Awards: awarded with the Pythagoras Award for Best Young Scientist in Bulgaria - 3 times 2013, 2014, 2015	
Highlights: investment portfolio management, investor models using different methods in different conditions and their comparison and selection, modeling and forecasting in management (including through simulations and business games)	Highlights: statistics, probability theory, insurance mathematics, actuarial, economics and management in tourism
Quotes and reviews: 10 citations, 50 points	Quotes and reviews: 5 citations, 25 points
Membership in scientific organizations: 10 international and	Membership in scientific organizations: 2 (it may be assumed

<p>national associations (of some co-founder) and in 8 different initiatives - organizer of competitions, continuing seminars and others.</p> <p>His member organizations are mainly in the fields of management, entrepreneurship, modeling and simulation.</p>	<p>that these are the International Organization for Standardization and the American Mathematical Society, but it is not clear from the abbreviations - the full names are not given)</p>
<p>Participation in projects: 3 - national 3 - university level 2 - applied (Other international and local projects are mentioned in the documents submitted by the applicant.)</p>	<p>Participation in projects: 2 - national 2 – university level</p>

Evaluation of the scientific and applied contributions of the applicants:

The scientific and applied contributions of the candidate Angel Marchev can be summarized in the following areas: investment portfolios in terms of cyber theory - both theoretical and applied contributions - use of various models in their management, demonstrating original approaches and solutions; original approaches to modeling investors and working with these models, comparing them, selecting them, etc.; creating an empirical basis for comparative analysis of different investor models for managing investment portfolios based on BSE (data for the period 01.01.1998 - 30.10.2015 has been systematized and unified and all corporate events have been taken into account, rules for filling in the missing data are developed; I would add to the contributions given by the applicant - the use of modern methods in management training based on simulations, business games and other models of the real management situation, the results of their application are examined.

The scientific contributions of Pavel Todorov Stoynov presented by him in connection with participation in this competition can be determined in the

following areas: models for evaluating financial instruments and derivatives and for market and credit risk research; survey of tourism supply and demand in Bulgaria; studies on some political and economic aspects of globalization, EU integration and security issues - risk assessment.

Both candidates presented the required scientific output. The publications of Angel Angelov Marchev are more relevant to the topic of the competition, his contributions are original and interesting and have a greater popularity in the scientific community, he is actively involved in projects and scientific life in the field of management, is known in the media to people involved in modeling, simulation, business games, forecasting in management. He is also actively involved in the scientific life as a co-founder and organizer of numerous scientific events, including with students and young people. He has received awards for his research activities.

The candidate Pavel Todorov Stoynov presented publications and indicated contributions, some of which did not directly relate to the topic of the announced competition. His works are very diverse in content, with no clear focus in the area of interest announced for this competition. He is rather a passive participant in scientific events on the topic of the competition, and his presence among other scientific communities cannot be judged (no evidence presented).

III. Assessment of the applicants' teaching activities.

The candidate Dr. Angel Angelov Marchev, Jr. has fulfilled the requirements for duration of teaching and the number of hours. He has active teaching activity - in 5 courses, 3 of which are in English in bachelor's programs, 3 courses in master's programs (2 of which are large-scale business games). He has taken courses at universities abroad - 4 courses. He has participated in the writing of a textbook and numerous articles on teaching.

The candidate Marchev has a taste for active teaching methods, he has established the good name of a teacher - an innovator in teaching.

Among the disciplines he teaches, special attention is given to those related to the topic of the competition, namely: fundamentals of management, modeling and forecasting in management, simulation models and more. He is known for the use of learning games and simulations to engage students, both in their work within and outside the classroom.

From the materials presented by Dr. Pavel Stoynov it is clear that he has taken classes in various fields - statistics, probability theory, insurance mathematics, models in actuary, financial analysis and extreme statistics, risk theory, insurance and financial modeling. He has taken classes abroad. In the last 19 years he has led the preparation of two master's thesis. I am not aware (no evidence is provided) of other extracurricular work with students.

IV. Critical notes and recommendations.

My recommendation to Dr. Angel Angelov Marchev is to continue to seek forms of popularization of his very interesting experience and efforts in the use of games and simulations in management training.

My recommendations to Dr. Pavel Stoynov are to rethink his career inside or outside the faculty by defining the focus of his efforts to ensure a successful career, intensify his work with students and the scientific community. I also recommend to the department at which he works to carry out a peer-evaluation in order to give him a clear career perspective - what area to develop and what he is expected to do and present in order to have a successful career. It is fair to do this for anyone who has worked at the faculty for about 20 years. So far, his efforts have been scattered, for some time he had the idea to develop in the field of tourism industry, then he became involved in other areas. After all, the department needs to be aware of how it wants to use his efforts. He may have diverse interests

(this fact is not reprimanding, even on the contrary), but this should not be at the expense of producing sufficient results in an area in which he plans to develop and which will form the basis of his career in this area.

I recommend that the candidate Pavel Stoynov has to pay more attention to the preparation of the materials when applying for competitions. What exactly is not satisfactory about his participation in this competition:

1. He participates with the same list of publications and with the same list of contributions (as indicated by him) in three competitions with very different focus. This may be the reason for the lack of focus on the topic of this particular competition. (These materials were sent to me officially; it is unclear why.)

2. In the contributions statement submitted by the applicant, he himself stated that they were related to 9 of the submitted publications. The list for the competition includes 15 publications. What about the other 6 publications? Doesn't the author see any contributions in them?

3. The list of citations of the applicant's works makes sense when it indicates his place in the relevant scientific community. One table lists 2 citations in refereed journals and 3 in non-refereed but peer-reviewed journals. It is stated that details will be given in a separate appendix. This appendix provides an article (co-authored) that has been cited twice in a Journal of Hydrology. The same article is not included in the list of publications with which the candidate participates in the competition. There are two other quotes mentioned by the author, but he has indicated that he does not submit them in the competition. After all, what is the situation with the quotes, their number, place and attitude to this particular competition?

4. The author has not deciphered some of the abbreviations related to his professional activity, which can be read in different ways.

All this speaks of a hasty preparation of the materials, which affects their evaluation.

V. Conclusion.

Considering the materials presented by the participants in the competition and despite my critical remarks, I find that both candidates meet the requirements for the position of Associate Professor.

I propose that the title “Associate Professor” to be awarded to Dr. Angel Angelov Marchev, because his publications and experience correspond exactly to the announced competition. He is a well-known young scientist with numerous appearances, active teaching activities in disciplines, relevant to the announced competition, impressive work in the scientific community and with students. Attracting him to work at a department of the faculty will be of benefit to it.

Dr. Pavel Stoynov has broad scientific interests scattered in many fields. His teaching work is mainly in disciplines that partly correspond to the topic of the competition. It seems that he has interests mainly in research, also without a very clear focus.

I strongly recommend that the title of Associate Professor in the professional field 3.7. Administration and Management (Modeling and Forecasting in the Management) in the competition for occupation of academic position at the Faculty of Economics and Business Administration, Sofia University “St. Kl. Ohridski”, to be awarded to **Dr. Angel Angelov Marchev** (Associate Professor in the same field at UNWE).

Jury Member: Anastassia Bankova

/ Prof. Dr. Anastassia Bankova /

October, the 10-th, 2019

Sofia