

REVIEW

on

the competition for academic position “Professor”,
professional field: 4.6. Informatics and Computer Science
(e-governance and e-business in Bulgarian and English language),
for the needs of Sofia University “St. Kliment Ohridski”,
Faculty of Economics and Business Administration,
announced in SG, issue 87/13.10.2023

Only one candidate has submitted documents for participation in the announced competition:
Assoc. Prof. Kamen Boyanov Spassov, PhD MBA.

Reviewer: Acad. Ivan Petkov Popchev, BAS

Pursuant to Art. 4 and Art. 29a of the Act for the Development of the Academic Staff in the Republic of Bulgaria (ADASRB), Art. 60 of the Rules for the Implementation of the ADASRB (RIADASRB), Art. 118 (1) и (3) of the Rules for the Terms and Requirements for Acquisition of the Academic Degrees and Occupation of Academic Positions at Sofia University “St. Kliment Ohridski” (RTCAADOAPSU) and Decision of the Faculty Board of the Economics and Business Administration (Minutes No.18 of 24.10.2023), Order No. RD-38-622/20.11.2023 of Rector Prof. Anastas Gerdjikov, PhD, I have been appointed as a member of the Scientific Jury for the competition for the academic position of “Professor” in professional field in 4.6. Informatics and Computer Science (e-governance and e-business in Bulgarian and English language), announced in State Gazette (SG) 86/13.10.2023.

As a reviewer, I received all the documents submitted for the competition.

According to ADASRB, RIADASRB (Decree No. 26 of 13 February 2019) и RTCAADOAPSU the candidates for the professor shall meet certain requirements.

Art. 29.(1) Applicants to occupy the academic position of Professor must meet the following conditions:

1. to have acquired the educational and scientific degree of Doctor;
2. to have occupied the academic position of Associate Professor in the same or in another higher school or scientific organization for not less than two academic years ...;
3. to have presented a published monograph or equivalent publications in specialized scientific journals ..., which do not reproduce those presented for awarding the educational and scientific degree of “Doctor” and for awarding of the scientific degree

of “Doctor of Science” and for occupying the academic position of “Associate Professor”;

4. to have presented other original scientific works, publications, inventions, and other scientific and scientific-applicable works or artistic creative achievements, to be assessed together;
5. to meet the minimum national requirements under Art. 2b, Para. 2 и 3, respectively the requirements under Art. 2b, Para. 5;
6. to have no plagiarism proven as per the legally established order in the scientific works.

(3) The candidates shall submit a reference on the fulfilment of the minimum national requirements under Art. 2b, Para. 2 и 3, respectively the requirements under Art. 2b, Para. 5, and a reference of the original scientific contributions to which shall be attached the relevant evidence laid down in this Act, in the Regulations for its implementation and the regulations of the higher schools and of the scientific organizations.

Assoc. Prof. K. Spassov meets the requirements of Art. 29(1).1 as she has submitted a diploma for the educational and scientific degree “Doctor” issued by the Higher Attestation Commission, No.22757, 02.12.1992.

Assoc. Prof. K. Spassov meets the requirements of Art. 29(1).2 according to the presented document No.319/25.10.2023, issued by the Head of Human Resources A. Aleksieva to confirm that she has hold the academic position „Associate Professor“ from 09.06.2009 and still working.

Assoc. Prof. K. Spassov meets the requirements of Art. 29(1).3 as he has submitted 7 publications in specialized scientific issues, which do not reproduce those presented for awarding the educational and scientific degree of “Doctor” and for occupying the academic position of “Associate Professor”.

According to orcid (1991-2022) Assoc. prof. K. Spassov has 56 works: 27 journal articles, 22 conference papers, 8 book chapters, 3 books, and 1 patent.

Assoc. Prof. K. Spassov has submitted 21 publications for participation in the competition. The analysis of these publications shows the following:

A. Art. 29(1).3 - 7 publications:

- 4 publications in conference proceedings (Nos. **1-IF, SJR, Q3**, 2, 3, 5);
- 3 publications in book chapters (Nos. 4, 6, 7).

All publications are **co-authored**.

B. Art. 29(1).4 - 14 publications:

- 4 publications in journals (NoNo., **4-SJR, Q3, 5-Q3**, 7,8);
- 2 publications in conference proceedings (NoNo. 6, 9);
- 3 publications in book chapters (NoNo. 1, 2, **3-Q4**);
- 3 book chapters (NoNo. 10, 11, 12);

- 2 textbooks (NoNo. 13, 14).

All publications are **co-authored**.

From the system „Authors“ of Sofia University until 30.11.2023 for Assoc. Prof. K. Spassov are generated: 7 books, 1 patent, 3 monographs, 2 scientific projects, 2 tutoring of defended master students, 20 publications in scientific journals, 1 article in series, 2 publications in proceedings, 15 participations in conferences, 3 books, and 3 textbooks.

In the presented for the competition „**Reference of citations**“ **23 citations of 7 publications, and 1 patent** are listed.

Assoc. Prof. K. Spassov meet the requirements of:

- **Art. 29(1).4**, as he has submitted 14 original scientific works.
- **Art. 29(1).5**, as she meets the minimum national requirements of Art.2b, Para. 2 и 3, respectively the requirements under Art. 2b, Para. 5 and Art. 115, Para. 1, Item 5 a) и б) of RTCAADOAPSU. The total number of point in each of the groups of indicators are as follows: A – 50, B – 216; G – 327; D – 192; E – 236.
- **Art. 29(1).6**, as she has no plagiarism proven as per the legally established order in the scientific works.
- **Art. 115(1) and (2)**, and as provided the documents **under Art. 117**.

A „**Reference of indicators of Art. 122, Para. 2**“ with respective evidences is presented, which can be briefly marked as follows:

1. Teaching and pedagogical activity (Art. 122, Para. 2, Item 1)

The main workload of the candidate is in classroom and non-auditory classes in English. The candidate gave lectures at foreign higher education institutions: the University of Elbasan - Albania, Sangmyung University in Seoul - South Korea, Korean Agency for Digital Opportunity, Ural Federal University, Yekaterinburg - Russian Federation. The candidate has lectured at AUBG, Institute of Public Administration at the Council of Ministers, etc. The candidate has supervised the diploma theses of over 130 students who successfully defended their Master's degree, and supervised a successfully defended doctoral student - Ludmil Anachkov, and currently is the supervisor of 3 doctoral students at the Faculty of Economics and Business Administration at Sofia University.

2. Research activity (Art. 122, Para. 2, Item 2)

The candidate has been the head of two Bulgarian-Korean projects in the field of biometric identification, a member of the SCOOP4C Steering Board, a participant in the UNITE, INNOAIR projects, and a participant in the SUMMIT project.

The candidate is the deputy chairman of the Union of Automation and Informatics, a member of IFIP WG8.5, a member of IFAC TC2.6, was IT Ambassador of KADO, South Korea, was

a member of WSA Expert Panel in 2003 and 2004 and has been a member of Microsoft DYNA Advisory Council since 2005.

Assoc prof. K. Spassov meet all requirements of RTCAADOAPSU, Part V for academic position "professor", including Art. 122, Para. 2, Item 1 and Item 2.

According to Art. 29 (3) a „**Reference for original scientific contributions**“ is presented, including 21 publications submitted for participation in the competition. The reference consists of 10 pages.

The contributions can be briefly summarized as follows:

1. **A modification** of the Kaplan and Norton's "Balanced Scorecard" for e-Government Strategy Management. In Bulgaria 42 indicators across 17 ministries have been defined.
2. **A National Model of Data and Processes** in the state administration (NMDPSA).
3. **A National Model** of data and processes in the state administration is embedded in the conceptual model for electronic governance and registry maintenance model to ensure semantic interoperability for e-governance purposes.
4. **A methodology** has been developed for researching the presence of the state administration and municipalities on the Internet and social networks. The methodology has been applied in other countries (Ghana).
5. **A conceptual model** of a shared cyber security operations centre (SCOC) was developed. The meta-scope of operations is defined.
6. **A conceptual model** of a national electronic healthcare system with modules for patients and patient record, GP, pharmacy, hospital, clinical laboratories have been developed. A pilot model was produced using a Low code/No code platform.
7. **An algorithm** for calculating optimal routes for the trajectories of electric buses on demand in an urban environment was developed.

The candidate Kamen Spassov has submitted references, certificates and proof of participation in conferences, international projects and other scientific events in Bulgarian, English and Korean languages.

The world scientific databases provide the following summarized „scientometric picture“ for the whole work of Assoc. Prof. Kamen Spassov:

- **Scopus:** 29 documents, 72 citations, h-index 5;
- **Web of Science:** 16 publications, 22 total times cited, h-index 2;
- **Google Scholar:** 287 citations, h-index 9, i10-index 9;
- **Research Gate:** RG Score 305.0, h-index 8, 163 citations, 32.031 Reads.

The „**scientometric picture**“ shows successful and productive activity.

CONCLUSION

All requirements of ADASRB, RIADASRB and RTCAADOAPSU has been fulfilled and I give a definite **positive** evaluation for the selection of Assoc. Prof. Kamen Boyanov Spassov MBA in the competition for the academic position of “Professor” in professional field 4.6. Informatics and Computer Science (e-governance and e-business in Bulgarian and English language).

I strongly recommend to the Scientific Jury to unanimously propose to the Faculty Board of Economics and Business Administration at Sofia University to select Assoc. Prof. Kamen Boyanov Spassov MBA for the academic position “Professor” in professional field 4.6. Informatics and Computer Science (e-governance and e-business in Bulgarian and English language).

28.12.2023 г.

Reviewer:

Acad. Ivan P. Popchev