



POSITION

of Assoc. Prof. Georgi Gadzhev -- member of a scientific jury in competition for the academic position of „Professor“ in the professional field 4.4 Earth Sciences, scientific subject „Meteorology“, announced in the State Newsletter issue 103/10.12.2021.

This position was prepared based on the Order of the Director-General of NIMH № НД-04-4 from 04.02.2022 and the decision of the meeting of the scientific jury from 15.02.2022. It follows the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria (LDASRB), the Regulations for implementing LDASRB (RILDASRB), and the Regulations of NIMH for implementing LDASRB

I. Requirements to the candidate

According to art. 24 (1) and art. 26 (1), (2) of ZSRASRB, art. 53 (1) and art. 54 (1) of RILDASRB and art. 53 (1) and art. 54 (1) of the regulations of NIMH for the implementation of LDASRB

Emilia Venkova Georgieva was a student at the Faculty of Physics of Sofia University "St. Kl. Ohrid " in the period 03.10.1977 to 30.06.1982. In 1982 she obtained the Master's degree with the qualification of Physicist, specializing in meteorology.

In 1982 Emilia Georgieva started working at (GFI) NIGGG - BAS, where she was a physicist; doctoral student; Assoc. Prof., Associate Professor in the scientific specialty "Meteorology".

In GFI-BAS she became Candidate of Physical Sciences, 1990.

Since April 2012 she has been working at the National Institute of Meteorology and Hydrology (NIMH) as an associate professor. Since April 2019, he has been the Head of the Atmospheric Pollution Modeling Section at the Meteorology Department.

Assoc. Prof. Georgieva has repeatedly been to Italy, Germany and Russia.

From 09.01.2003 to 08.01.2006 she is a Visiting Professor in the Department of Physics, University of Genoa, Italy.

From 01.04.2008 to 31.03.2011 he worked as a researcher at the European Commission (EC) - Joint Research Center, Ispra, Italy

Assoc. Prof. Georgieva presented the following materials on the competition: Application to the Director General of NIMH for admission to participate in the competition; Curriculum vitae according to European standards; List of publications and copies thereof in electronic form; Information for fulfillment of the minimum national requirements under art. 2b, para. 2

and 3 of the LDASRB and under art. 2, para. 4 of the the requirements of NIMH for the implementation of LDASRB, Information on contributions; Reference to citations.

From the documents submitted by the applicant I do not find violations in the procedure or non-compliance with some of the formal regulatory requirements.

Requirements for research and development activities

According to art. 24 (1), p.1, p. 3, p. 4, p. 5 and art. 26 (1) of LDASRB, art. 53 (1), p.1, p. 3, p. 4, p. 5 and art. 54 of RILDASRB, art. 53, p.1, p. 4, p. 5, p. 6, p.7 of the requirements of NIMH for the implementation of LDASRB

Only scientific products are presented for evaluation, which do not repeat the ones presented for the acquisition of the scientific degree "Doctor" and for the acquisition of the academic position "Associate Professor".

From the attached reference from the candidate it can be seen that Assoc. Prof. Dr. Emilia Venkova Georgieva satisfies the minimum requirements for holding the academic position of "professor".

The candidate participates in the competition with 45 articles, the points of which exceed the minimum requirements for the academic position of "Professor".

The quotations presented by Assoc. Prof. Georgieva are arranged in 3 groups: according to the requirements of the Rules for NWRP of NIMH:

1. Citation in scientific journals referenced and indexed in world-famous databases with scientific information or in monographs and collective volumes - 189 citations
2. Citation in monographs and collective volumes with scientific review - 22 citations
3. Citation in unreferred journals with scientific review - 4 citations

The total number of citations is 215, which speaks of a very good recognition of the work of Assoc. Prof. Georgieva in the specialized world literature.

Assoc. Prof. Emilia Georgieva is the leader of 3 international (SAAP4FUTURE, CONSPIRO and SIDUAQ) and 2 national (DEP and Desert Dust) research projects. She is a participant in 8 international and 3 national research projects. The total amount of attracted funds for projects managed by the applicant is BGN 602,205.

The application for contributions contributed by the applicant shows that it has combined scientific and applied research. They are clearly defined and show her main professional activities as follows:

- Establishment of methods and programs for evaluation of model results, harmonization of approaches for evaluation of model results in application of the EU Directive (2008/50 / EC) on ambient air quality;
- Evaluation of model results using different approaches;
- Analysis of atmospheric deposition in Bulgaria using model results from BCWFS;
- Use of satellite data for atmospheric chemistry in research and modeling of atmospheric pollution in Bulgaria;

- Study of the influence of meteorological parameters and emissions on modeled and / or observed concentrations and deposits of atmospheric pollutants.

All of the publications submitted to the competition by the candidate are co-authored. The scientific and scientific-applied contributions of Assoc. Prof. Georgieva are largely part of the work on projects and in teams. Based on the attached reference and the subject of the articles, it can be concluded that the contribution of E. Georgieva is significant.

III. Opinions, Recommendations and notes.

I have known Assoc. Prof. Georgieva for a long time and I had the pleasure to work with her when I started in (GFI) NIGGG-BAS. My personal opinion confirms the impression created by the materials presented at the competition, namely that she is a fully built, highly qualified scientist with undoubted creative potential.

Conclusion

As a result of the check of the presented materials for the competition, I found no violations of the procedure. The requirements of art. 24 (1), p.1, p. 3, p. 4, p. 5 and art. 26 (1) of LDASRB, art. 53 (1), p.1, p. 3, p. 4, p. 5 and art. 54 of RILDASRB, art. 53, p.1, p. 4, p. 5, p. 6, p.7 and art. 54 of the requirements of NIMH for the implementation of LDASRB **ARE FULFILED.**

From the performed activity and after consideration with the documents for the competition and the scientific results in the publications of the candidate, I confidently evaluate Emilia Venkova Georgieva positively and claim that she fully deserves the academic position of "Professor" in professional field 4.4 Earth Sciences, specialty "Meteorology".

Member of The Scientific Jury: