

POSITION

by Assoc. Prof. Dr. Julia Stefanova (Stoyanova) Georgieva – member of a scientific jury in selection procedure of academic position "Associated Professor" in professional field 4. 4. Earth Sciences, scientific specialisation Meteorology, in Marine Forecasting Division at Forecasting and Information Service Department, with the only applicant Assistant Professor Dr. Vasko Nikolaev Galabov

The current position is prepared following up the Order of the Director General of NIMH № ND-04-32 of 08/10/2021 r. and the decision of the meeting of the scientific jury held on 14/10/2021. It is in accordance with the requirements of the Law for the development of the academic staff in the Republic of Bulgaria (ZRASRB), the Regulations for its implementation (RIZRASRB) and the NIMH Rules on ZRARRB.

I. Requirements to the applicant

according to Art. 24 (1) and Art. 26 (1), (2) of ZRARRB, Art. 53(1) and Art. 54(1) of RIZRASRB and Art. 53 (1) and Art. 54 (1) of the NIMH Rules on ZRASRB

The CV and documents submitted for the selection procedure show that the only applicant Vasko Nikolaev Galabov, has completed the full course of the Faculty of Physics, Sofia University "St. Kliment Ohridski" in 1997, obtaining the qualification Master Physicists with specialization "Meteorology". Initially he works for NIMH, branch Plevan since 1999 to 2002, and since 01.03.2002 works for Forecasting Department of NIMH. In 2005 he is involved in the field of marine meteorology and operational support and development of numerical models in Marine Forecasting Division at the same Department. As a result of performed free doctorate on the topic: „Building of a system for prediction of severe hydro-dynamical events in the Black Sea coastal zone“, successfully defended in 2017, he obtains PhD educational and scientific degree.

After successfully participation in a competition, since March 2018 Dr. Vasko Galabov occupies the academic position of Assistant Professor in Marine Forecasting Division at Forecasting and Information Service Department of NIMH, and since the end of 2019 up to now acts as a head of this Division. He has managed 2 projects with external funding from the National Programme Young Scientists and Post doctors – module Postdocs in 2020 and 2021, one of them is successfully completed.

In the inspection of the submitted materials for the competition there are no violations in the procedure or non-fulfillment of any of the conditions for eligibility of the candidate to the competition, according to ZRASRB and the regulations for its implementation.

II. Requirements for the scientific research and R & D activities

Art. 24 (1), p.1, p. 3, p. 4, p. 5 and Art. 26 (1) of ZRASRB, Art. 53 (1), p.1, p. 3, p. 4, p. 5 and Art. 54 of RIZRASRB, Art. 53, p.1, p. 4, p. 5, p. 6, p.7 of the NIMH Rules on ZRASRB

The candidate submits a report on his research works accordingly he fulfils the required number of scores in all groups of indicators of the minimum national requirements. The requirements for PhD in 4.1 Physical Sciences are covered by 3 articles indexed in Scopus / Web of Science. For academic position of Associated Professor in professional field 4.4. Earth Sciences, a habilitation work is presented and this includes 10 scientific publications in referenced and indexed in the world-renowned databases of scientific information. Indicators in group G are covered by 2 publications in referenced and indexed in the world-renowned databases of scientific information and 17 scientific publications in non-referenced journals with peer-reviewing, as well as in edited collection of works. For fulfilment of the requirements from group D, the applicant presents for this competition 13 citations in scientific editions in the world-renowned databases of scientific information, and thus fulfils the requirements regarding this Indicator with 4 of his publications.

A list of 40 publications is presented for the competition, 4 of them are non-reviewed extended abstracts of papers in scientific conferences. Eight of them are reduced due to the fact that they are listed in the dissertation abstract. Evaluated 28 scientific papers, 12 of which are papers from scientific conferences, are in the field of numerical modelling and forecast of sea waves, sea level and currents, for the spread of floating pollutants and objects in the sea, numerical modelling and statistical processing of historical data from re-analyses and hydro meteorological observations for analysis of the risks of coastal floods. A list with 72 found out citations are presented.

Seven of the publications presented for the competition are independent, and in another 8 publications, Dr. Vasko Galabov is the first author. This is evidence of the significant degree of leading role of the candidate in this research, the presence of which is necessary when applying for the academic position of "Associated Professor".

Much of the candidate's achievements are the result of his many years of annual work at METEO FRANCE in the framework of bilateral cooperation with the NIMH in the field of marine meteorology. The scientific and scientific-applied contributions of Dr. Vasko Galabov are in priority areas related to the activities of NIMH and with the potential to be upgraded in the future work of the candidate after his habilitation. Along with the conducted research, the candidate works actively for the operational development of numerical modeling at NIMH. In 2002 he started the implementation of the regional numerical model for weather forecasting HRM in operational practice, and implemented it in the National Meteorological Service of the United Arab Emirates for 3 months in 2003, where he conducted training for its use. After that, Dr. Vasko Galabov participated in the work for the implementation of 3 numerical models for marine forecasts in NIMH, as well as the introduction of warnings for dangerous marine phenomena in the METEOALARM system. Manages and participates in the activity for maintenance in operational action of the numerical models for sea forecasts in NIMH. The results are used as prognostic information for services in different sectors depending on the state of the Black Sea. These

systems are used by the applicant to prepare a significant number of expertise for national institutions and his participation as an NIMH expert in court cases. The results obtained from the research conducted can contribute to solving environmental problems in the Bulgarian Black Sea coast.

III. Opinions, recommendations and notes

The activity of Assistant Professor Dr. Vasko Galabov makes a strong impression with a independent character in a wide range of activities related to problems of marine forecasting, with his active participation in a large number of international projects and the significant number of citations in referenced and indexed scientific journals. All this speaks of the relevance of the results obtained and the impression of a fully developed scientist. He also conducted training on the operational work with the HRM model in the United Arab Emirates in 2003.

The documents submitted for the competition are informative enough, but not well arranged, which makes it somewhat difficult to fully evaluate the results and contributions of the candidate. Not even cited documents have been presented, as evidence of his participation in the operational activities of the NIMH and research projects.

Conclusion

The examination of the submitted materials for the selection process does not reveal any violations in the procedure. The requirements Art. 24 (1), p.1, p. 3, p. 4, p. 5, (2) and Art. 26 (1) of ZRASRB, Art. 53 (1), p.1, p. 3, p. 4, p. 5 and Art. 54 of RIZRASRB, Art. 53, p.1, p. 4, p. 5, p. 6, p.7 and Art. 54 of the NIMH Rules on ZRASRB are met.

Based on the acquaintance with the documents of the candidate for the competition and the evaluation, according to Art. 27 (3), (4) of the ZRASRB of the publications presented by him, I propose to the Scientific Council of the National Institute of Meteorology and Hydrology to elect Assistant Professor Dr. Vasko Nikolaev Galabov for academic position of "Associate Professor" in the professional field 4.4. Earth Sciences, specialty "Meteorology".

Дата:

MEMBER OF THE JURY:

/Assoc. Prof. Dr. Julia (Stoyanova) Georgieva/