



O P I N I O N

written by

Assoc. Prof. Dr. Denitsa Borisova

Remote Sensing Systems Department at Space Research and Technology Institute at Bulgarian Academy of Sciences /SRTI-BAS/

Member of Scientific Jury, according to Order No 87/10.0.07.2020 of the Director of SRTI-BAS, considering competition for academic position "Associate Professor" in Scientific field 4. Natural sciences, Mathematics and Informatics; Professional field 4.4. Earth Sciences; Scientific specialty "Remote sensing of the Earth and planets" for the needs of SRTI-BAS, Department "Remote sensing systems", announced in State Gazette /SG/ No 56 / 23.06.2020

General criteria for participation in the competition

In the announced competition the only candidate **Chief Assistant Professor Hristo Stoyanov Nikolov, PhD**, from the Department "Remote sensing systems" at SRTI-BAS has submitted documents. The submitted by the candidate documents meet all the requirements for holding the academic position /AP/ "Associate Professor" and are in accordance with the Regulations for application of the law in Bulgaria, Bulgarian Academy of Sciences /BAS/ and SRTI-BAS.

The documents submitted by the candidate are as following: ♦ a Request; ♦ a Copy of the announcement in the SG; ♦ a CV; ♦ a Copy of a PhD Diploma; ♦ a List of scientific publications for PhD degree (Group indicators **A** and **G**); ♦ an Additional document for work experience; ♦ a List of the scientific publications presented in the Competition for holding the AP "Associate Professor" (total 34 scientific publications divided as 10 in Group indicators **V** and 24 in Group indicators **G**); ♦ an Author's reference for meeting the minimum national requirements (Group indicators **A**, Indicator 1: PhD thesis; Group indicators **V**, Indicator 4: 10 publications; Group indicators **G**, Indicator 7: 6 publications and Indicator 8: – 24 publications; Group indicators **D**, Indicator 10: 6 citing publications and Indicator 12: 17 citing publications); ♦ an Author's reference for the scientific and scientific-applied contributions.

The candidate meets the Minimum National Requirements of law and Regulations for application of the law in Bulgaria, BAS and SRTI-BAS for acquiring scientific degrees and for holding academic positions in the scientific field 4. Natural sciences, Mathematics and Informatics; professional field 4.4. Earth Sciences.

I accept the points on all indicators calculated by the candidate. They prove that the candidate not only does meet the formal requirements of the Regulations but also exceeds them.

Group of indicators	Required Points for Associate Professor under the Regulations for application of the Law in Bulgaria	Required Points for Associate Professor under the Regulations for application of the Law in BAS and SRTI-BAS	Completed points from Chief Assistant Professor Hristo Stoyanov Nikolov, PhD
A	50	50	50
V	100	100	254
G	200	220	230.57
D	50	60	64

Scientific and scientific-applied contributions of the candidate

The scientific and scientific-applied contributions of the candidate are clearly visible from the presented publication activity and are correctly grouped in the following three thematic scientific areas:

- 1) *Development and implementation of innovative mathematical methods for thematic processing of multi-channel spectral data acquired by different Remote Sensing devices and systems*
- 2) *Design and assembling of field laboratory systems for performing in-situ and remote sensing investigations as part of synchronous and quasi-synchronous experiments in acquiring data from Earth observations*
- 3) *Applying of multi-channel spectral data resulting remote sensing in assessing the impact of hazard processes with natural and technogenic origin on the environment*

Conclusion


The documents and the references submitted by **Chief Assistant Professor Dr. Hristo Stoyanov Nikolov** meet the requirements of the Law on the Development of Academic Staff in the Republic of Bulgaria and its Regulations, the Regulations for application of the Law in BAS and SRTI-BAS.

Original scientific and applied scientific contributions are presented as they have been published in renowned scientific journals and have been demonstrated at national and international forums.

I accept the results achieved by **Chief Assistant Professor Dr. Hristo Stoyanov Nikolov** in the research activities as they have been fully meet the requirements for holding the academic position "Associate Professor".

I give my positive opinion of the candidate's scientific and scientific-applied work and suggest the Scientific Jury to prepare a proposal to the Scientific Council of SRTI-BAS for electing of **Chief Assistant Professor Dr. Hristo Stoyanov Nikolov** to hold the academic position "Associate Professor" in scientific field 4. Natural sciences, Mathematics and Informatics; professional field 4.4. Earth Sciences; scientific specialty "Remote sensing of the Earth and planets" for the needs of SRTI-BAS, Department "Remote sensing systems".

Sofia
6 October 2020 r.

Member of the Scientific Jury: 
/Assoc. Prof. Dr. Denitsa Borisova/

ВЯРНО С ОРИГИНАЛА

