



## STATEMENT

From: Assoc.Prof. Dr. Arch. Plamen Petrov Petrov

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Regarding the materials submitted for participation in the competition

for academic position of "Associate Professor" in professional field 5.13. General engineering, scientific specialty "Ergonomics and industrial design", in the discipline "Residential interior design and furnishing",

In the competition for associate professor, announced in the State Gazette, issue 32 of 03.04.2020, and on the website of the University of Forestry for the needs of the Department of Furniture Production, at the Faculty of Forestry, the only candidate is

Dr. Pavlina Minkova Vodenova,

### 1. SHORT BIOGRAPHY OF THE CANDIDATE:

The candidate Dr. Pavlina Minkova Vodenova graduated with a master's degree in „Interior and Furniture Design“; from the University of Forestry in 2000. From the period 2009-2018. works as an assistant in the Department of Interior and Furniture Design, Faculty of Forestry. In 2017 successfully defends and receives Educational and scientific degree „Doctor“; (PhD), scientific specialty; „Technology, mechanization and automation of the woodworking and furniture industry“, professional field 5.13 „General Engineering“. From 2018 until now Dr. Vodenova holds the position of Chief Assistant in the Department.

### 2. GENERAL DESCRIPTION OF THE MATERIALS PRESENTED:

The candidate, Dr. Pavlina Minkova Vodenova participates in the competition with:

- **Monographs - 1 pc.**

Vodenova, P., (2019) Design methodology in interior design, Sofia, Avangard Prima, ISBN 978-619-239-278-9, 156 p.

In the monograph Dr. Vodenova has taken on the task of presenting the entire process of work of the interior designer - from the compilation of the assignment through specific developments to the finished product. In chapters one to four, Dr. Vodenova clarifies the concept of “design”, considers theories about the perception of interior spaces by people, presents concepts such as point, line, plane, volume, figure, texture and color, considers the concepts of balance, symmetry, asymmetry, harmony and unity, etc. Attention is also paid to

topics such as ergonomics and comfort. In Chapter Five, "Project assignment", Dr. Vodenova discusses the whole process of drafting the terms of assignment, the problems with collecting the necessary information, surveying customer requirements, etc. The final Chapter Six, entitled "Analysis of the site, synthesis of information and creation of a design concept" presents a general approach based on analysis and synthesis of concepts is proposed. Various conceptual arrangements, functional connections, communication schemes are considered. Attention is paid to modern topics of energy efficiency and "Smart homes"; Well-chosen illustrations and diagrams are used throughout, which give the necessary clarity.

- **Published book based on a dissertation - 1pc.**

Vodenova, P. (2019), Designing a children's environment in the home, Sofia, Avangard Prima, ISBN 98-619-239-273-4, 148 p.

- **Publications – 23 pc. after obtaining PhD degree from which:**

- in foreign referenced in Web of Science and SCOPUS - 1;
- in foreign referenced outside the Web of Science and SCOPUS - 1;
- in Bulgarian referenced outside Web of Science and SCOPUS - 10;
- Publications in international proceedings of scientific forums - 4;
- Popular science publications - 5;

### **3. CITATIONS:**

- Citation in scientific journals referenced and indexed in worldwide databases with scientific information - 5 pcs.
- Citation in monographs and collective volumes with scientific review - 3 pcs.
- Citations or reviews in unrefereed journals with scientific review - 13 pcs.

### **4. GENERAL CHARACTERISTICS OF CANDIDATE'S ACTIVITIES**

Dr. Vodenova takes an active role in the academic life of the department and the faculty. Evidence of that are the participation in numerous conferences and workshops in the country and abroad. Dr. Pavlina Vodenova has extensive professional experience in the field of design, and deserves attention attached to the documents project "Single-family residential building Sofia - interior design and implementation, 2017-2018"

#### **4.1. TEACHING AND PEDAGOGY**

- Work with students and doctoral students

Curricular and extracurricular activities:

- Bachelor's degree courses - leads classes in "Design of residential interior and furniture", "Design of public furniture" and "Design project"
- Master's degree courses – leads classes in "Design process management", "Design of interior styles", "Design of advanced furniture", "Design of furniture for mass and serial production", "Design of lighting fixtures", as well as lectures on "Design of the environment for people with disabilities'.
- Preparation of study programs for the following:
  - Bachelor's degree courses – 2 pc.
  - Master's degree courses – 2 pc.

#### **4.2. SCIENTIFIC AND APPLIED RESEARCH ACTIVITY:**

Problems of mainly theoretical and theoretically applied nature have been studied, in which possibilities for using the established scientific facts in an applied aspect have been revealed. Many of the results of the research work have been adapted for the purposes of training students in the specialty "Engineering Design" (Interior and Furniture Design), Bachelor's and Master's degrees, and have been successfully tested as a theory, examples and teaching methods in the disciplines "Design of residential interior and furniture", "Design of public furniture", "Process design management", "Design of lighting fixtures", "Design of avant-garde furniture", "Design of interior styles", "Design of furniture for mass and serial production"; and "Design of the environment for people with disabilities", as well as in the training module "Project week"

#### **4.2. CONTRIBUTIONS:**

- **Scientific and theoretical contributions:**
- A theoretical model and methodological guidelines are created for designing articles and environments intended for children, with continuous consideration of influence of function, construction, material and objective features of this type of interiors.
- Two new phases in the process of interior design have been added, as well as new connections are discovered between them in the context of the modern technological development of the design process.
- **Scientific and applied contributions:**

- The main factors influencing the construction of modern children's furniture and interiors are established and systematized. The relationship between color, shape, composition, material and lighting is established.
- The construction of the interior as a spatial composition is studied, as the main and most important building elements forming the space and the furniture groups included in it are considered. The interaction between the elements of the three-dimensional composition is established in the context of the functionality, perception and the compositional principles.
- **Applied contributions**
  - The systematized algorithm of work in the separate phases of analysis and interior design will be useful both in the educational process of the students and of all specialists in the field of interior design.
  - A methodology for conducting a new module in the training course for students majoring in "Engineering Design (Interior and Furniture Design)", called "Project Week", has been tested and developed. The effectiveness of this module has been proven in its several years of testing.

#### **REMARKS AND RECOMMENDATIONS:**

The acquaintance with the materials presented by Dr. Pavlina Vodenova gives me an opportunity to evaluate unequivocally positively her contributions, both in the scientific and in the design work, as well as in fields of education and pedagogy. I recommend further development in the field of theory and practice of interior design.

#### **CONCLUSION:**

In connection with the above, I propose that Dr. Pavlina Minkova Vodenova be elected "Associate Professor" in professional field 5.13. General engineering, scientific specialty "Ergonomics and industrial design", in the discipline "Residential interior design and furnishing".

10 August 2020

Member of the Jury

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Assoc. prot. arch. Plamen Petrov