



## OPINION

on the materials submitted for participation in a competition for **"Associate Professor"** in the field of higher education **5. Technical Sciences**, 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** dated **03.04.2020** and on the website of the University of Forestry with procedure code **WWI-AsP-0320-39** for the needs of the **Department of Furniture Production** at the **Faculty of Forest Industry**, as the only candidate involved is Chief Assist. Prof. Pavlina Minkova Vodenova, PhD, Faculty of Forest Industry, Department of Interior and Furniture Design.

**Prepared by: Professor Penka Angelinova Dimitrova, PhD** in a Professional Field **5.13. General Engineering**, scientific specialty **"Design and modelling of textile and sewing products, clothing and footwear"**, Technical University of Sofia, Faculty of Mechanical Engineering (FME), Department of Engineering Design.

### **1. Brief biographical data for the candidate**

The only candidate in the competition for the academic position of **"Associate Professor"**, Chief Assistant Professor Pavlina Minkova Vodenova PhD, was born on August 7th, 1976, in Sofia. She holds a higher education diploma from the University of Forestry with registration number 10870/2000 - a five-year training course in Interior and Furniture design with a master's degree.

In 2017, she acquired her Doctor's Degree with a thesis on **"Implementing the Systematic Approach in Children Environment Design for the Contemporary Dwelling"**, supervisor: Assoc. Prof. Yanko Genchev PhD, scientific speciality: **"Technology, Mechanization and Automation of Woodworking and Furniture Industry"**, Professional Degree 5.13 **"General Engineering"**, and obtained diploma №LTU-2017-35 issued on 31.10.2017 by University of Forestry.

Pavlina Minkova Vodenova held the following positions: **"Assistant Professor"** (from 15.08.2009 till 12.04.2018) and **"Chief Assistant Professor"** from 12. 04. 2018 till now, with total working experience at the University of Forestry 10 years 7 months and 25 days.

### **2. Correspondence of the submitted documents and materials of the applicant according to the Rules of the Development of academic staff at the University of Forestry.**

The candidate for the academic position **"Associate Professor"** Pavlina Minkova Vodenova has correctly, with high accuracy and precision, filled in her documents by the Rules for the Development of the academic staff of the University of Forestry, Sofia.

Documents and written materials, certifying other professional and creative activities and appearances within the meaning of art have been submitted, according paragraph 63, subparagraph 2.

Presented reference for meeting the minimum National requirements by Chief Assis. Prof. Pavlina Minkova Vodenova PhD, has been correctly made. It fulfils all the minimum requirements, including:

Indicator A: Dissertation for educational and scientific degree "Doctor" - 50 points (50 points required);

Indicator C: Monograph - 100 points (100 points required);

Indicator D: Scientific publications - 343,31 points (200 points required);

Indicator E: Citation in - 87 points (50 points required).

The total number of points received with the applied scientific production is 580.31 points (400 points required), which fulfils and exceeds the minimum National requirements for the research and teaching activity of the candidate for the occupation of the academic position "Associate Professor" in field of higher education: 5. Technical Sciences, Professional field: 5.13. General Engineering.

Candidate Chief Assistant Professor Pavlina Minkova Vodenova PhD, participated in the competition for the academic position of "Assistant Professor" with:

- Monographs - **1** number (s);
- Books - **1** number (s);
- Publications - **23** number (s).

The publications can be classified as follows:

**Publications in scientific journals:**

- Articles in magazines with Impact Factor – **0** number (s);
- Articles in journals referenced and indexed in Web of Science and SCOPUS - **1** number (s);
- Articles in Bulgarian journals referenced outside the Web of Science and SCOPUS - **10** number (s);

**Publications in proceedings of international scientific forums - 4 number (s);**

**Popular science publications- 5 number (s).**

**Place of publication:**

- In Bulgaria – **19** number (s);
- Abroad – **4** number (s).

**Publishing language:**

- In Bulgarian – **12** number (s);
- In English – **11** number (s).

**Number of co-authors:**

- Individual - **12** number (s);
- With one co-author – **6** number (s);
- With two co-authors - **3** number (s);
- With three or more co-authors - **2** number (s).

### **3. Reflection of Candidate's Scientific Publications in Literature (known citations)**

The quality of her scientific work can be assessed by the citations:

- In scientific publications, monographs and collective volumes, referenced and indexed in world-famous databases of scientific information (Web of Science and SCOPUS) or in monographs and collective volumes with scientific reviews – **50 points**;
- Citations in unrefereed scientific peer-reviewed journals – **28 points**;
- Chief Assistant Professor Pavlina Minkova Vodenova, PhD, is also cited in collective volumes with scientific review - **9 points**.
- All points by group of indicators D - **87 points** (50 points needed).

#### **4.1. Assessment of the candidate's educational and pedagogical activities (work with students and PhD students)**

From the presented official notice, we can see that the last five years Chief Assist. Prof. Pavlina Minkova Vodenova PhD, has over the necessary academic normative employment. For 2019/2020 academic year auditorium hours for the Bachelor's Degree and Master's Degree are 455 hours.

She conducts basic disciplines such as "Residential Interior Design and Furnishing", "Design of Public Buildings Furnishing" for III and IV year of study, "Design Project", "Management of the Design Process", "Design of Period Style Interior", "Design of Avant-garde furniture", "Design of Environment for Disabled People", "Serial and Mass Production Furniture Design", as well as "Lighting Design". Her extracurricular activities are all 79 hours. Conducts semester exams, supervises graduates, reviews diploma theses.

In addition to the numerous jobs in the disciplines she teaches, she is a part-time assistant at the New Bulgarian University, where she teaches "Furniture Construction Basics" Part I and II and "Techniques and Materials".

#### **4.2. Scientific and scientific-applied activity**

Defended a dissertation on "Implementing the Systematic Approach in Children Environment Design for the Contemporary Dwelling", (A.1), published a monograph (B.3) "Design Methodology in Interior Design" reviewers Prof. Arch. Regina Raycheva, PhD and Prof. Eng. Vassil Jivkov, PhD.

She also published a book based on the defended dissertation "Children Environment Design for the Contemporary Dwelling" (D.6.1).

Presents articles and reports, published in scientific journals, referenced and indexed in world-famous databases of scientific information (D.7.1).

For the competition for "Associate Professor" the applicant presents articles and reports published in non-peer-reviewed journals with scientific review or published in edited volumes (D.8).

All publications can be followed in NACID.

A list of abstracts and citations are presented as well.

#### **4.3. Participation in scientific, applied and educational projects**

Chief Assistant Professor Pavlina Vodenova PhD presents a list of participation in 9 scientific, applied and educational projects.

Under the Lifelong Learning Program IP, 76946-IC-I-207-IBG Erasmus EUC-1 she participated in 3 projects as a lecturer and team and students' mentor at Mendel University, Brno, Czech Republic in 2012; SeamMk University, Seinäjoki, Finland and Elisava University of Barcelona, Spain.

In 2011 she participated in an international workshop at the Technical University in Zvolen, Slovakia.

In the period 2013-2014 she was a member of a target group under the project BG051P0001-3.1 2019 - "System for Qualification and Career Development of Teachers in Higher Education", implemented with the financial support of Operational Programme "Human Resources Development", co-financed by the European Social Fund of the European Union.

Pavlina Vodenova participated in project BG051P0001-3.3.06-0056 - "Support for the Development of Young People at the University of Forestry", as a post-doctoral student and the project BG051P0001-4.3.04-0052 - "Development of a Centre for Electronic Forms of Distance Learning at the University of Forestry".

She participated in the Project BG05M20P0001-2.009-0034 - "Support for the Development of Scientific Capacity at the University of Forestry".

Develops 3 applied projects:

- "Modernization of CEC for the transfer of scientific knowledge in accordance with the needs of practice" – 2014;
- "Development of a Project for Furnishing of Conference Hall of the Petrohan Training and Experimental Forest Range – the village of Barzia" - 2018, as a member of the author's team.
- Design of partition and decorative elements for the interior of Training and Experimental Forest Range "Yundola" – 2020.

#### **4.4. Contributions to the candidate's work (scientific, scientific-applied, applied)**

From the presented by Chief Assist. Prof. Pavlina Minkova Vodenova, PhD scientific production, the following groups of contributions, can be summarised:

##### **Scientific-theoretical contributions:**

- A theoretical model and methodological guidelines for the design of single products and environments designed for children with continuous consideration of the influence of function, construction, material and objective features of this type of interior are created (D6.1).
- In the process of interior design new phases have been added. In the context of the modern technological development of the design process new connections between phases have been discovered (B 3.1).



**Scientific-applied contributions:**

- The historical development of furniture and interior for children in the XIX and XX centuries has been studied (G6.1, G8.13).
- A theoretical model and methodological guidelines for the design of single products and environments designed for children with continuous consideration of the influence of function, construction, material and objective features of this type of interior are created (D6.1).
- Updates the design methods for interior design and construction (B3.1, D8.15, D8.17). Encourages innovation in the use of technology and innovative design approaches (D8.6; D8.7; D8.15; D8.17; D8.20).
- Analyzes and creates a new methodology for training students in design for the needs of modern society (G7.1; D8.3; D8.10; D8.11; D8.14).
- Systematizes methods of work in the different phases of interior design by offering a broad-spectrum methodology for the private and public sector for different industries in established and start-up campaigns (G8.12; D8.16; D8.19).

**Applied contributions:**

- Analyzes the premises in the residential planning's (D6.1), establishes the design and existence of new furniture products for children in unison with modern technologies and communication, sports and physical activity (D6.1, D8.13).
- Introduces, systematizes the individual phases in the design process in the actual implementation of the interior for the benefit of students and professionals. (B3.1)
- Conducts a new method in the training course for students majoring in engineering design (Interior and furniture design) D7.1; D8.3; D8.10; D8.11; D8.14).

**5. Assessment of the applicant's personal contribution**

The publications on the researched topics can be a basis that combines all specific requirements to the design process (functional, ergonomic, aesthetic, technological and economic, etc.), a design concept for the benefit of design students, designers and architects.

The presented scientific papers are related to solving theoretical and practical problems in the design of residential interiors and furniture and design of children's environment, innovative methods of education in higher education in design.

The personal contribution of the candidate for associate professor Ch. Assistant Professor Pavlina Minkova Vodenova, PhD is the successful use of theoretical research in the education of students at University of Forestry.

**6. Critical remarks**

I have no critical remarks on the vast array of theoretical research.

**7. Personal impressions**

I know the theoretical developments of Chief Assistant Pavlina Minkova Vodenova, PhD. I am familiar with her dissertation. There is a young and hard-working scientist, an innovator in the science of interior design, a proven and thorough scientist and lecturer.

### **8. Conclusion**

To conclude, the research and teaching activity of Chief Assist. Prof. Pavlina Vodenova PhD complies with the requirements of the ZRASRB, its Regulations and the regulations of the University of Forestry in this field.

In connection with the all above, I propose that Chief Assis. Prof. Pavlina Minkova Vodenova, PhD to be elected as a "Associate Professor" in the discipline "Residential Interior Design and Furnishing" in the Professional field 5.13. General Engineering, scientific specialty "Ergonomics and Industrial Design".

Signature of the reviewer:.....

**Professor Penka Angeunova Dimitrova, PhD**

Review submitted to: