

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 **"Design History, Theory and Methodology"**

In the competition for **"Associate Professor"**, announced in the **State Gazette**, issue. **101 dated 27.12.2019** and on the website of the University of Forestry with procedure code **WWI-As-1119-31** for the needs of the **Department of Interior and Furniture Design** at the **Faculty of Forest Industry**, as the only candidate involved is Chief Assist. Prof. Dr Desislava Ivanova Angelova, Faculty of Forest Industry, Department of Interior and Furniture Design.

Reviewer: Dr Penka Angelinova Dimitrova, Professor 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 **"Assistant Professor"**, Chief Assistant Professor Dr Desislava Ivanova Angelova was born the 19th of December, 1976, in Pernik. She holds a higher education diploma from the University of Forestry with registration number 10879/2000 - a five-year training course in Interior and Furniture design with a master's degree.

In 2011, she acquired her Doctor's Degree with a thesis on "A Research on Design Methods for Structural Construction of Sitting Furniture in Residential Buildings", supervisor: Assoc. Prof. Dr Arch. Regina Raycheva, scientific speciality: "Technology, Mechanization and Automation of Woodworking and Furniture Industry", Professional Degree 5.13 "General Engineering".

Desislava Angelova has been the Chief Assistant Professor at the University of Forestry since 18.06.2018 until now. She has held the following positions: "Assistant Professor", "Senior Assistant Professor", "Chief Assistant Professor", with total working experience at the University of Forestry for 17 years 10 months and 29 days.

She started her work in 2002 as an Assistant Professor at the University of Forestry, Faculty of Forest Industry. Since then, she has been leading lectures and seminars in the Bachelor's and Master's degrees, directing coursework and graduates. From 2009 to 2011 she worked as a part-time lecturer at the Higher School of Civil Engineering "Lyuben Karavelov" and New Bulgarian University.

From 2016 to 2018, Desislava Angelova holds the administrative position of the Vice-Dean for Scientific and development activities of the Faculty of Forest Industry. She organizes and coordinates the faculty's research activities. She participates in various events related to the presentation of the Faculty of Forest Industry.

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" Dr Desislava Ivanova Angelova has correctly, with high accuracy and precision, formulated her documents by the Rules for the Development of the academic staff of the University of Forestry, Sofia.

By application to the Rector of the University of Forestry with registration index and date FGP-14461/26.2.2020 and attached 14 Annexes, she fulfils the minimum National requirements under paragraph 2a, subparagraph 2, 3 and 4 for the occupation of the academic position "Associate Professor" (according to the form of LTU).

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.

Desislava Angelova has submitted an Information card, the abstracts of the works with which she has participated in the competition (in Bulgarian and English) as well as a Statement of Assurance Data. A folder with original publications also has been created.

Presented reference for meeting the minimum National requirements by Chief Assis. Prof. Dr Desislava Ivanova Angelova has been correctly made and fulfils all the minimum requirements, including:

Indicator A: Thesis for the award of the Doctorate (defence) - 50 points (required - 50 points);

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

Indicator D: Scientific publications - 306.65 points (required - 200 points);

Indicator E: Citation in - 91 points (required - 50 points).

The total number of points received with the applied scientific production is 547,65 points (required - 400 points), 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.

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

From the presented official note No. FGP-736 dated 03.02.2020 we can see that the last five years Chief Assist. Prof. Desislava Ivanova Angelova, PhD, has over the necessary academic normative employment to occupy the academic position of Assistant Professor. The 2019/2020 auditorium hours for the Bachelor's Degree and Master's Degree are just 474.7 hours.

Since 2002 to date, she has been conducting seminars in the discipline "Interior Architecture" for students in the speciality " Technology of Wood and Furniture ", IV course regular form of training and V course part-time form of training, and "Interior and Furniture Styles" for students in the speciality "Engineering Design (Interior and Furniture Design)" II course regular form of training.

In the speciality "Engineering Design (Interior and Furniture Design)" the candidate for Associate Professor at the time of the competition is the principal lecturer of the disciplines: "Design History, Theory and Methodology" (II course, Bachelor's Degree), "Graphic Design" (II course,

Bachelor's Degree) and "Innovative and Strategic Design" (I course, Bachelor's Degree). She also participates as part of a team of lecturers who conduct the Design Project module from 2012 to the present. In period 2010 - 2012 she conducted exercises of students in the speciality "Engineering Design" in Master's level of training in the disciplines "Designing a Stylish Interior" and "Lighting Design".

Desislava Angelova presented official note No. FGP-736-2 / dated 3.02.2020 that shows she is the scientific supervisor of 52 successfully defended graduates in the specialities "Engineering Design" and "Technology of Wood and Furniture", Bachelor's and Master's degrees. She presented official note No. FGP-736-3 / dated 7.02.2020 that shows that she is a reviewer of 116 bachelor's and master's diploma theses.

For the activity of Chief Assist. Prof. Dr Desislava Ivanova Angelova, conclusions can also be drawn from her participation as an academic mentor under Project BG051PO001-3.3.07-0002, "Student Practices" under the Operational Program "Human Resources Development", co-financed by the European Social European Union Fund. Official notes were presented, which show that 45 students in the speciality "Engineering Design" were trained at five employers under the academic guidance of Desislava Angelova (Official Note No. 1 / 14.09.2015, Official Note No. 3 / 22.11. 2017 and Official Note No. 4 / 11/22/2017).

The teaching feedback of Chief Assist. Prof. Dr Desislava Ivanova Angelova are excellent. She is respected among students and fellow educators.

4. Assessment of candidate's scientific, scientific-applied and publishing activities

General description of the presented materials

The assessment of the candidate's scientific activity Chief Assist. Prof. Dr Desislava Ivanova Angelova can be made by following up the Scientific Activity Register of the National Center for Information and Documentation (NACID). She covers the minimum National requirements for the field of higher education 5. Technical Sciences for the academic position of "Associate Professor", and in some indicators exceeds them.

Candidate Chief Assistant Professor Dr Desislava Ivanova Angelova, participated in the competition for the academic position of "Assistant Professor" with:

- Monographs - 2 number (s);
- Books - 1 number (s);
- Publications - 19 number (s).

The leading monograph is "Textile Techniques in Furniture Design. Weaving and Knitting in Search of Form and Texture" p. 214. Through the consideration of numerous examples, their classification, visual identification and comparative morphological analysis, the authors prove that the application of textile techniques is an inexhaustible source of ideas for contemporary design.

The second monograph "The Chair at the Beginning of the 21st Century" is of great importance for furniture design. The purpose of the monograph is to enrich with the information base the researched areas and to help improve the final products for the acquisition of social, functional, operational and aesthetic qualities.

Chief Assist. Prof. Dr Desislava Angelova also published a book based on a Doctor's thesis entitled „A Research on Design Methods for Structural Construction of Sitting

Furniture”, p. 102. It describes in detail the principles of operation of each of the listed design methods and the objectives achieved in their use.

The textbooks and teaching aids that she develops are related to the lectures and seminars she takes in the disciplines taught by her at the University of Forestry.

4.1 Participation in scientific, scientific-applied and educational projects

The candidate Desislava Ivanova Angelova participates in 14 projects.

She has been involved in educational projects since 2004 - teaching mobility under the Socrates-Erasmus Programme at the Edinburgh College of Arts, Scotland, where she presented the speciality Engineering Design and monitored students studying under the Programme. In 2012, she participated in the Project Building with Sustainable Resources (IP) of the Lifelong Learning Programme, as a lecturer and student’s mentor at Mendel University, Brno, Czech Republic. In 2013, she took part in an international student workshop organized by the National Academy of Arts - Sofia, as a lecturer and student’s mentor from the University Forestry. In 2014, she participated as a student’s mentor in the Project Urban Regeneration (under the Lifelong Learning Programme) at ELISAVA University, Barcelona, Spain. In the period 2013-2014 she is a member of a target group under the project "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. In 2013-2015 Desislava Angelova participated in two Projects: “Support for the Development of Young People at the University of Forestry”, in which she attended as a post-doctoral student and the Project “Development of a Center for Electronic Forms of Distance Learning at the University of Forestry” in which she participated as an expert in two training modules. In the period 2012 - 2017, she participated in the Project “Student Practices” as an academic mentor to 45 students in the speciality Engineering Design. In the period 2017-2018, she participated in the Project "Support for the Development of Scientific Capacity at the University of Forestry", as a Head of Activity No. 6 - Expert of dissemination of scientific results. Chief Assist. Prof. Dr Desislava Angelova participated in two projects for partial funding of the International Scientific and Technical Conference "Innovations in Forest Industry and Engineering Design" organized by the Faculty of Forest Industry in the period 2018 - 2020, as a member of the working group. It can also be noted her participation in 3 applied projects: "Architectural and Design Layout and Interior Landscaping of Public Spaces", "Construction of a Scientific Laboratory - Management and Economic Analyses and Assessments for Sustainable Development" and "Development of a Project for Furnishing of Conference Hall of the Petrohan Training and Experimental Forest Range – the village of Barzia.

4.2 Characterization of published scientific results

The publications can be classified as follows:

By type:

- Publications in scientific journals – 11 number (s);
- Publications in proceedings of scientific forums - 7 number (s);
- Scientific popular publications – 1 number (s);

- Monographs – 2 number (s);
- Books – 1 number (s).

By significance:

- 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 reference foreign journals referenced outside the Web of Science and SCOPUS - 7 number (s);
- Articles in reference Bulgarian journals referenced outside the Web of Science and SCOPUS - 5 number (s);
- Publications in proceedings of international scientific forums - 6 number (s);
- Plenary reports - 0 number (s);
- Monographs – 2 number (s);
- Books – 1 number (s).

Place of publication:

- In Bulgaria – 12 number (s);
- Abroad – 10 number (s).

Publish language:

- In Bulgarian – 7 number (s);
- In English – 14 number (s);
- In Russian – 1 number (s).

Number of co-authors:

- Stand alone - 9 number (s);
- With one co-author – 8 number (s);
- With two co-authors - 3 number (s);
- With three or more co-authors - 2 number (s).

The topics of the articles cover the methods for stimulating ideas and their application in design education, resulting in the creation of quality industrial products. Characteristic of these modern methods is the construction of visual thinking through analogies. Some of her articles are aimed at creating exterior pavilions as part of urban areas. In articles, monographs and books, Desislava Angelova traces the design of contemporary chairs and armchairs, comparing the trends of the XX and XXI centuries. She works on techniques that use analogies to create new products. She looks at housing renovation processes using a new approach to the housing process and a new way of thinking in design.

4.3 Reflection of Candidate's Scientific Publications in Literature (known citations)

- Total - 18 citations.

By type of citations:

- In scientific publications, monographs and collective volumes, referenced and indexed in world-famous databases of scientific information (Web of Science and SCOPUS) - 5 citations;
- In monographs and collective volumes with scientific reviews - 7 citations;

- In reference Bulgarian and foreign scientific journal - 5 citations.
- Review of realized author's products in specialized design journal - 1 number.

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

From the presented by Chief Assist. Prof. Dr Desislava Ivanova Angelova scientific production, the following groups of contributions, can be summarised:

Scientific-theoretical contributions:

- A new trend in furniture design has been revealed and proven. The furniture from the XX and XXI centuries, in which weaving and knitting techniques are applied, are analyzed.
- The basic concepts in Design Theory have been systematized. Historical development of Design Theory has been traced.
- Design methods are indicated both in the phase of the conceptual design of the furniture and the techniques involved in their structural construction. Huge theoretical material has been collected.
- Design methods have been applied to improve the efficiency of the creative process and generate a large number of ideas.
- Complex research on the design of seating furniture has been conducted.
- A new functional chair for working with a laptop has been discovered and described.

Scientific-applied contributions:

- The role of craft traditions, abstract art, and organic sculpture in contemporary design for sitting furniture is explored.
- Contemporary technological advancements and the role of colour in modern design have been sought to achieve highly emotionally impacting furniture.
- Multifunctionality and transformation have been achieved, as well as mobility in "dynamic sitting".
- A methodology for carrying out project-based design tasks has been developed.
- A model for the designing seating furniture has been developed.
- The role of creativity in the educational process has been investigated. The most appropriate design methods have been systematized from their application in the education of students studying design specialities.

Applied contributions:

- The results of the researches and the developed projects are probated in the educational process with students of the speciality "Engineering Design (Interior and furniture design)" in their training in the discipline "Innovative and Strategic Design".
- The monographs, textbooks, books and articles are valuable references for students in the following disciplines: "Design History, Theory and Methodology"; "Design Project"; "Interior and Furniture Styles"; "Graphic Design" and "Innovative and Strategic Design" at the University of Forestry.

5. Assessment of the applicant's personal candidate

- Chief Assis. Prof. Dr Desislava Ivanova Angelova analyzes and systematizes the main furniture in which design weave and knitting techniques are used.
- She studies and organizes the construction, form and structure of this furniture.
- Desislava Angelova gathers a vast array of theoretical material, creating its design methodology.
- She studies and analyzes the psychology of the creative process. She works on group potential in the design process.
- She develops new functional and technological capabilities in the design of sitting furniture.
- Desislava Angelova is experimenting with structure forming, form building, and weaving and knitting techniques.
- Develops teamwork for students in the speciality "Engineering Design".

6. Critical remarks

I have no critical remarks.

I am delighted with her work as a scientist and designer.

7. Personal impressions

Desislava Angelova is a hardworking, modest and deep in her work as a scientist and innovative young designer, useful for science with all her published and creative work.

I wish her to work with this enthusiasm and bring benefits to both her colleagues and specialists in interior design.

I think that Chief Assis. Prof. Dr Desislava Ivanova Angelova has all the qualities and skills to occupy the academic position of Associate Professor.

8. Conclusion

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

In connection with the above, I propose that Chief Assis. Prof. Dr Desislava Ivanova Angelova be elected as a "Associate Professor" in the discipline "Design History, Theory and Methodology" in the Professional field 5.13. General Engineering, scientific specialty "Ergonomics and Industrial Design".

Signature of the reviewer::.....

Professor Dr Penka Angelinova Dimitrova

Review submitted to: