

REVIEW

of scientific works and educational activities

of ASSOCIATE PROFESSOR DR. ARCH. DIMITAR VLASAREV

submitted for participation in a competition for the academic position of "professor" in a professional direction 5.7. Architecture, construction and geodesy, scientific specialty: "Territorial and landscape planning and urban planning", announced in SG no. 60 of 20.07.2021 for the needs of VSU "Lyuben Karavelov"

Reviewer: Professor Dr. Arch. Yanko Alexandrov, guest lecturer; VSU "Lyuben Karavelov"

in the professional direction 5.7. Architecture, construction and geodesy; scientific specialty: "Architecture of buildings, structures, facilities and details"

This review has been prepared on the basis of documents received through a competition announced by VSU "Lyuben Karavelov" (SG No. 60 of 20.07.2021) and on the website of the University for the needs of the Department of Urban Planning, Theory and History of architecture "at the Faculty of Architecture. The documents submitted in the competition comply with the requirements of ZRASRB, PPZRASRB. The competition procedure is correctly followed.

1. General presentation of the obtained materials

For participation in the announced competition have submitted documents only / the following candidate /
- Associate Professor Dr. Arch. DIMITAR VLASAREV from Lyuben Karavelov

For participation in the competition, Associate Professor Dr. Arch. DIMITAR VLASAREV presents a list of a total of **85 titles**, including 2 monographs; reports in ed. collective volumes 34; realized author's architectural projects 3 pcs.; citations in scientific journals, referenced and indexed, uploaded in a world database 3 pcs.; citations in collective volumes with scientific review 31; lecture courses 2; 3 pcs. textbooks; manuals 4 pcs.; management of scientific projects 3 pcs.

Indicator G

- Under № 8. Scientific publication in unreferenced journals with scientific review or in edited collective volumes - 34 in number, of which 8.1-8.4 (or 4 issues); 8.6-8.8 (three pieces); 8.16 (1 issue); 8.18, 8.19 (or 2 pieces); 8.21 (1 issue); 8.23- 8.27 (or 5 issues) and 8.30 (1 issue) are independent (17 in number), and the other articles (17 in number) are collective, with the participation of students. (Indicator G)

The following are entered as conversions by the candidate:

- Under № 8.38 (1985-1987) Mill plant - Dobrich 250t / 24h, realization: (General plan; Main production building; Mill block with preparatory cells and flour silo; Administrative-residential building with laboratory; Garage with RMC);

8.39. Shops for industrial and food products and offices in Regulated Land III-1757 "For commercial activity" in quarter 88 according to the plan of the town of Kostinbrod;

8.40. Two-storey residential building, floor in the attic space with an area of about 360 m² in Regulated Land IV-497, district 65 in Boyana district - Sofia, part "Architectural".

In the section "Others" are given working drawings of a residential building "Object: High-rise residential building with an underground garage in Regulated Land IV, quarter 278b, area" Zone B-19 ", area" Vazrazhdane "-SO", indicating its technical and economic indicators (by RPD and by project), according to the attached table.

The project was developed with a team of DEP-ELITE consisting of (SC - Eng. E. Antonova; Plumbing - Eng. Zl. Koleva; El. - Eng. N. Dimitrov; OV / EE - Eng. Ts. Bancheva; Geod. Eng. V. Dinev; Park and Landscape Architect P. Dobrev; PB - Eng. Ivan Valev; PUSO - Eng. V. Stoyanov)

FINANCED PROJECTS FOR SCIENTIFIC RESEARCH AT VSU "LYUBEN KARAVELOV"

- Head: Assoc. Prof. Dr. Arch. D. Vlasarev. Project: "Current problems and development measures in the development of the small town in Bulgaria. On the example of the cities of Kyustendil, Samokov, Kostinbrod, Dolna Banya, etc." December 3, 2019
- Head: Assoc. Prof. Dr. Arch. D. Vlasarev. Project "Structural conversion of the former agricultural yards into new agricultural complexes". 12/11/2017
- Head: Assoc. Prof. Dr. Arch. D. Vlasarev. Project "Functional and aesthetic role of the green system in industrial areas". 12/07/2018
- Head: Assoc. Prof. Dr. Arch. D. Vlasarev. Project "Structural conversion of the former agricultural yards for new productions of industry and agriculture, public works and green system".

The attached reviews show the high professionalism of Associate Professor Dr. Arch. Dimitar Vlasarev, also found in the project reviews.

• Review by Prof. Dr. Arch. Pencho Dobrev from January 10, 2018:

"I believe that the final report on" Structural conversion of former farms for new production of industry and agriculture, public works and green system "presents professionally and with scientific contributions, in full the research work on the project according to the originally submitted work program. ... I recommend the esteemed committee to accept the presentation of the final report as successfully completed and of high quality."

• Review of Prof. Dr. Arch. Anton Gugov from January 10, 2018:

The topic "Structural conversion of the former agricultural yards into new agricultural complexes" with head: Assoc. Prof. Dr. Arch. Dimitar Stefanov Vlasarev has been developed at a high professional level and with original contributions to the modern development of architectural theory and practice. The results of the development have been published. In view of the above, I recommend that the Honorable Committee accept the successfully completed research project with high marks."

2. Details of the candidate

According to the application attached to the documents of the competition, Associate Professor Vlasarev has attached:

Diploma for acquired educational qualification degree "Master" (notarized) - UACEG; Certificate of specialization in "Industrial buildings and territories" (notarized) - UACEG; Diploma for educational and scientific degree "Doctor" (notarized) - VSU "Chernorizets Hrabar - Varna" (date of defense 14.03.2014) and Diploma No / date: NS-44 / 02.07.2014; Topic of the dissertation: Structure of the territories for buildings and complexes for storage and production of plant and animal products); Diploma for associate professor (notarized) - VSU "L. Karavelov"; Academic position: Associate Professor; Number / date of the act of appointment: 778 / 17.07.2015; Comparative reference, comparing the implementation of the scientometric indicators, according to PPZRASB and art. 65 (3) of PRAS VSU "L. Karavelov ".

3. General characteristics and evaluation of the scientific production of the candidate

The candidate has worked and continues to work in the field of industrial buildings and industrial areas. This can be seen from the rich scientific production presented in the competition for professor. The candidate's works meet the requirements for academic publications.

• Current problems and development measures in the development of the small town in Bulgaria. On the example of the cities of Kyustendil, Samokov, Kostinbrod, Dolna Banya and others. Reviewers: Prof. Dr. L. Arch. Pencho Krastev Dobrev; Prof. Dr. Anton Velichkov Gugov. Scientific editor: Prof. Dr. L. Arch. Pencho Krastev Dobrev. Editor: Plamen Peev - VSU "Lyuben Karavelov". Sofia. 2019. First edition. **ISBN: 978-954-331-107-1.**

The content of the study is a supplement to the curriculum of the discipline: "Urban Planning, Territorial and Landscape", at the Faculty of Architecture of VSU "Lyuben Karavelov" Sofia. The aim of the paper is to create a methodical approach in the study and design of central urban parts of small towns in the country, included as architectural design for students in the development of their course and diploma projects in these disciplines. The structure of the work (of 107 pages) consists of an introduction, 4 parts, including analyzes of appropriately selected sites from Denmark and the Netherlands. The material is distributed as follows:

PART I - Principles - current status and regulatory framework of development requirements for the central areas of the urban parts of small and medium-sized cities; PART II - Positive examples from our and foreign experience in solving the cultural and historical heritage, green areas, urban design from the central parts of the small town; PART III - Analysis of the problems and the condition of the central city parts on the example of the cities of Kyustendil, Samokov, Kostinbrod, Dolna Banya and others. and the role of the green system in solving them in the Master Plan and the Detailed Urban Plan;

PART IV - Theoretical model for integration of the green system in the central urban parts of the small town. Conclusions and scientific contributions are given; applications and literature.

A significant place in the work is occupied by the practical developments illustrated, for example, in Fig.41 - Exemplary spatial study of part of the recreational axis along the river "Banshtitsa" of Kyustendil, including the territory of the "former beach" and the neighborhoods on both banks of the river, intended for public service activities and complex housing construction. "

The creation of a new pedestrian axis is typical for Samokov.

(„Fig.48 - Exemplary structural study of the central part of the town of Samokov, including the creation of a new pedestrian axis on the site of the existing municipal market, uniting the two banks of the river, as well as preservation of the existing square in front of the municipal administration building and pedestrian axis along Targovska Street from the space in front of the Chitalishte building, the triangular square with the Big Fountain, the space of the Bayrakli Mosque and the territory of the former bus station).

A special place in the work is given to the protection of sites of cultural and historical heritage. (Fig. 49 - Objects of cultural and historical heritage - "The Great Fountain with the Earring" in Moorish style from the XVII century and the community center, a cultural monument, completed in 1923.

The green system occupies an important place in the urban environment of the town of Samokov ").

Saturation with public service functions occupies an important place. (Fig. 52 - Example park solution, part of the green system of the town of Samokov with saturated public service functions - sports and recreation. The park solution is the end of the recreational axis of the town on the river "Iskar", as a connection with the forest park territory south of the urban area ').

For Kostinbrod, the author notes that the change of purpose of the production areas in the immediate vicinity of the center, as well as in the suburbs, has led to strengthening, differentiation and determination of the regime "mixed multifunctional zone" / SMF /. (Page 61, line 24).

Construction of a cultural-historical route to the complexes of cultural-historical significance - horse base, community center and airport are typical for Bozhurishte. (Fig. 69 - Exemplary volumetric study led by Assoc. Prof. Dr. Architect D. Vlasarev on a research project of VSU "Lyuben Karavelov" 2019.

in the central part of Bozhurishte. (a) study layout; b) view from the south; c) view from the north, the character resembles an old Revival center of a small town; and FIG. 70 - Exemplary cultural-historical

routes integrating the central part of the city (2) with its periphery, including cultural-historical heritage sites - horse base (1), community center (3) and airport (4) ').

In the analysis of Dolna Banya the recreational axis is clearly formed. (Fig.75 - Proposal for a recreational axis along the river "Bistritsa" and the river "Maritsa", starting from the central part of Dolna Banya (1) and including the city stadium "Vasil Levski" (2), airport "Dolna Banya" "(3) and golf club" Ibar "(4) on the outskirts of the city. The integration of the green system of Dolna Banya, as an element of the system "Recreation ", with public services and sports creates a sustainable development model for future planning natural and human factors from the central part of the city and the recreational axis along the rivers Bistritsa and Maritsa.)

PART IV - "THEORETICAL MODEL FOR INTEGRATION OF THE GREEN SYSTEM IN THE CENTRAL URBAN PARTS OF THE SMALL TOWN" is an important scheme for the renovation of the central part of the small town. ("Fig.77 - Graphic representation of the functional relationships between different types of terrain in the central part of the small town and their integration in the renovation of the territory. The main structural elements are the green system, its construction and renovation, as well as restoration and renovation of monuments of culture. These dependencies determine the structural stability of the urban plan, as well as its expediency of its decision. "

The author derives a theoretical model for the development and formation of the central part of the small town. („Fig.78 - Theoretical model with integration links of the green system and the cultural and historical heritage in the central part of the small town. The theoretical development model is based on the procedural requirements in the legislation related to the implementation of the local government policy vertically and horizontally, taking into account the decentralization of power. The purpose of the application of the development model in the planning of the production territories is to emphasize the main role of the integration of the green system and the cultural and historical heritage of the central urban part of the small town "). Conclusions and scientific contributions have been made. The literature includes 47 sources. A table of abbreviations used is also given.

Recommendations: It is advisable to write the plant species in the analysis for Kyustendil with their Latin names!

• Basic habilitation work

• Dimitar Stefanov Vlasarev "Structural conversion of the former agricultural yards for new production in industry and agriculture, public works and green system". On the example of agricultural clusters of small and medium enterprises.

Reviewers: Prof. Dr. Arch. Anton Velichkov Gugov; Prof. Dr. I. arch. Pencho Krastev Dobrev; Editor: Assoc. Prof. Dr. Arch. Dimitar Stefanov Vlasarev; Technical processing: arch. eng. Andrey Ognyanov Andreev. Sofia. 2018. First edition. ISBN: 978-954-331-084-5.

"The content of the monograph is a supplement to the curriculum in the discipline:" Industrial buildings - arrangement of industrial territories "and" Agricultural buildings and territories ", at the Faculty of Architecture of VSU" Lyuben Karavelov "Sofia. The scientific research shows and examines the spatial planning of buildings and complexes of farmyards in agriculture, their spatial planning and localization of real terrains, depicted with practical conditions for design and appropriate location of urban science. The aim of the work is to create a methodical approach in the study and design of buildings and complexes of farmyards and agro-economic areas, by students in the development of their course and diploma projects in these disciplines. The content includes:

I. Introduction, p. 5; II. Typology and functional technological schemes of buildings and complexes in the food industry and agriculture (on the example of hazards by sub-sectors), p. 21; III. Structural structures and building regimes of the territories with agro-economic clusters - example research, new planning statements, p. 85; IV. Improvement of agro-agricultural farms and territories, green system, p.98. Conclusion. Literature.

In the content of the work the clusters are considered in great detail. From a professional point of view, cluster information is leading and especially valuable for practice. (2. Environmental factors and criteria in the study of agricultural clusters, p. 10; 3. Brief chronology of development in the planning of agricultural areas, circular economy and cluster structures, p. 15) ". A special place is given to the territorial localization of the clusters: "2. Territorial localization of the agro-economic clusters from the food industry, agriculture and the farmyards in structural aspect, p. 27;

2.1. Territorial localization of agricultural clusters (by processing production sub-sectors) in the settlements and outside them, p. 39; 2.2. Territorial localization of integrated agricultural clusters, creation of food and agricultural production complexes, intermodal clusters, p. 48) ". A significant place is occupied by "III. Structural structures and building regimes of the territories with agro-economic clusters - example research, new formulations in the planning, p. 85) ", as well as " 2. Spatial study, condition for expediency and economy of the decision of the land plot for "agricultural cluster", p. 91).

The "Study of Eco-Factors of Urban Significance" pays special attention to the "sanitary classification" of the location of industrial areas. "The intensity and degree of pollution of the natural environment depends not only on the characteristic composition of industrial waste, but also on the urban development of industrial sites. Therefore, the first and most important measure for environmental protection is the introduction of the implementation in the design process, of the sanitary classification, concerning the location of the industrial territories. "(Page 10, line 23)

CLUSTERS

"Advantages of small agricultural clusters are defined:

- Scientific advantages: rapid introduction of scientific and technological achievements, creation of new or transfer promising technologies and rapid response on the international market. "(Page 13, line 31)

In FIG. 6 of page 14 gives a classification of clusters according to affiliation (branches of large agricultural clusters and individual small agricultural clusters) and according to the number of employees (micro-agricultural clusters, small agricultural clusters and medium agricultural clusters). The author determines the action of clusters. "Clusters (clusters of farms), as a counterpoint to the competitive pressure of large territorial axis structures - agricultural production complexes can be a full competitive basis for structuring the agricultural area, semi-mountainous and mountainous areas." (Page 16, line 18) Clusters are defined as "modular compositions of volumetric structures for small and medium enterprises." "Clusters, as a set of companies with similar business interests are a competitive form of large agricultural complexes, as they include cooperation and infrastructure, closed production cycle and deep processing of waste.

As a cluster of companies, they form modular compositions of volumetric structures for small and medium-sized enterprises. "(P. 17, line 2). Important data are given (in tables) on the sanitary classification of the food industry; (Fig. 18, pp. 21, 22) and the sanitary classification of livestock farms; (Fig. 19, p. 22)

The content of fig. 20 from page 22!

On pages 23-24 there is a repetition of the material from page 14 (on the data - average number of staff, Annual turnover), given for the scope of Medium-sized enterprises: Small enterprises: Micro-enterprises), which repetition should be removed when republishing the monograph.

The author gives four characteristic features of clusters:

- "Proximity - companies must be close enough in space to have a good exchange of information and knowledge and to have common resources; - Relationships must have a common goal (e.g. market demand) in order to benefit from their closeness and interaction; - Interactions - it is not enough to be close and work on common problems. In order to have a positive result, there must be some active interaction; - Critical mass - there must be a sufficient number of participants to have a significant impact on the performance of companies from these interactions. "(P. 27, line 22). Particularly important cluster information is indicated,

which according to the reviewer represents a significant scientific and applied contribution, extending point 2 of the contributions, namely:

- "The clustering model is a new concept at national and regional level for the development of small and medium enterprises.
- The planning of agro-industrial and industrial clusters in terms of structure creates a new form of territorial organization, based on common economic interests, optimally observing the environmental, sanitary-hygienic and veterinary-technical requirements in structuring individual buildings and complexes in farmyards outside them.
- The planning of the territories for agro-economic clusters, by purpose in the Master Plan and the Detailed Urban Plan, should mean, according to the introduction of new development regimes, indicators and parameters of construction and proposal (above Ordinance 7 of the Ministry of Regional Development and Public Works) this gives independent status to these territories, in terms of their planning in relation to housing and other production structures.
- The planning of agricultural clusters in the food industry should be planned as a protected area in relation to the other territorial structures of clusters at the top of the tables of the sanitary classification. (P. 38, line 15)

VOLUME PLANNING STUDY OF STRUCTURAL MODULES

This study is shown in the attached figures, and in this connection the specifics of the horse base are indicated; the poultry farm; fisheries and enterprises, too. „Fig. 43. Horse base - Volume planning study of the development modules; FIG. 44. Poultry farm - Volume planning study of the development modules; FIG. 45. Fisheries - Volume planning study of the development modules; FIG. 46. Chocolate and confectionery enterprise - Extensive planning study of the development modules. FIG. 47. Non-alcoholic beverage undertaking - Extensive planning study of the design modules'.

Recommendations

- In "Block diagram of refrigeration chambers with optimal size of the main module - 12 m x 18 m"; (p. 64) the international Si numbering system should be introduced. also in "Fig. 70. Technological furniture (box pallets) of a refrigerating chamber with dimensions 12 m x 18 meters. Plan and section (with positions and types - the author). (page 65)
- Also in fig. 68 of page 64 "Block diagram of refrigeration chambers with optimal size of the main module - 12 m x 18 m".
- also on page 65, "Fig. 70 Technological furniture (box pallets) of a refrigerating chamber with dimensions 12 m x 18 meters. Plan and section (with positions and types - the author).
- Also on page 103. "When planning the sanitary protection zones, the main elements of the green system of the neighborhood are the protective belts with a width of at least 30 m and inter-belt spaces of 200 m."
- From page 59 "Fig. 60. Vertical sections through the road unloading to the grain depot - receiving silos for grain (illustration of the principle of acceptance of the product - architect D. Vlasarev) "should be located below the sections on page 58!

The applicant has completed a set of projects (individually and collectively) relating to:

„Fig. 73 Workshop for semi-finished and canned vegetables. Conversion of an existing production building into a new cannery with a negative refrigerator. The complex is in the production area of Parvomay, next to the buildings of the food industry. The flow of the raw material (tomatoes) with water transportation to the devices for tomato juice, vacuum-evaporation installation and expedition is indicated, designer - arch. D. Vlasarev. The small enterprise for tomato puree, owned by u. Olineza is integrated with its related companies on the territory of Kostinbrod - farmyard. The example is typical for cluster structuring of the

former agricultural territory. As a final product, tomato puree is a raw material for the workshop for lutenitsi, salads and canned food in the farmyard of the town of Kostinbrod. "(Page 68).

„Fig.75 Functional connections in the conversion of a farmyard. Species diversity of the production localization of the food industry in agriculture (Assoc. Prof. M. Mirkova, Assoc. Prof. Dr. D. Vlasarev). (page 70)

Schemes concerning the production process have also been developed. (Fig. 87. Scheme of the production process of an enterprise for cocoa and chocolate - Assoc. Prof. Dr. Arch. D. Vlasarev. Functional technological scheme of the production processes in an enterprise for chocolate products with clearly defined flows for people and goods, cargo - unloading operations are carried out on a ramp for reception and dispatch, with a silo for flour and sugar. '(p. 81)

- A figure with text is given on page 84 without a serial number. "Structural conversion of the buildings of the farm Kostinbrod - Shiyakovtsi, including the creation of new land plots for agricultural activities, production of chocolate products - Interior AD; and others. The buildings have been reconstructed (former cowsheds with prefabricated reinforced concrete structure).
- On page 104 it is necessary to correct the two underlined words in the text: "Irrigation system of green areas. The collection and use of surface rainwater for irrigation, reduction of soil leaching are an indicator of sustainable management of irrigation water for green systems.
- Abbreviations of names in the text should be deciphered at the end of the paper.

In the main habilitation work of Associate Professor Dimitar Stefanov Vlasarev "Structural conversion of former farms for new industries and agriculture, public works and green system" is a thorough and well-motivated analysis in line with current trends in the development of structural conversion of former yards. The principles set out for the construction of agricultural clusters are also applicable to their development in high-rise buildings, for example, for the cultivation of fruit and vegetables in the volume of the skyscraper.

The author has proposed a number of author's projects, well illustrating the views on modern organization, and some of these projects are aimed at the educational process at VSU "Lyuben Karavelov" and UACEG, where the candidate is a part-time lecturer at the Department of Industrial Buildings. Literary awareness is within the scope of work.

From ch. Assistant Professor Dr. Arch. Dimitar Stefanov Vlasarev are also presented:

Structural and technological structures for the food industry on the example of small and medium enterprises. Sofia 2014. Reviewers: Prof. Dr. Arch. Lyuben Yankov Sivrev and Prof. Dr. I. arch. Pencho Krastev Dobrev. ISBN: 978 - 954 - 331 - 053 - 1. The aim of the work is to create a methodical approach in the study and design of buildings and complexes of the food industry and agriculture by students in the development of their course and diploma projects on these disciplines. Spatial design for buildings and complexes of the food industry and agriculture. Reviewers: Prof. Dr. Arch. Lyuben Yankov Sivrev and Prof. Dr. I. arch. Pencho Krastev Dobrev. ISBN: 978-954-331-056-2. The aim of the work is to create a methodical approach in the study and design of buildings and complexes of the food industry and agriculture by students in the development of their course and diploma projects in these disciplines. The green system of small production areas and neighborhoods of agriculture and food industry. Reviewers: Prof. Dr. Arch. Lyuben Yankov Sivrev and Prof. Dr. I. arch. Pencho Krastev Dobrev. ISBN: 978-954-331-059-3. The aim of the work is to create a methodical approach in the study and design of green spaces in the complexes of food industry and agriculture, by students in developing their course and diploma projects in these disciplines. In Latin, the names of "Tree species" are indicated in tabular form (in Appendix 10), and in Appendix 11 - Shrub species - characteristics.

4. Characteristics and assessment of the educational and pedagogical activity of the candidate

Educational and pedagogical activity of the candidate for participation in high professional participation with active participation of students. The activity is provided by textbooks created by him and Prof. Sivrev and only by him teaching aids and developments, which include:

- "Short lecture course on industrial buildings", module 1, (together with Prof. Dr. Architect L. Sivrev, textbook), in a volume of 354 pages, richly illustrated with figures, tables, norms, functional and planning schemes ; the lectures are especially suitable for the training of students in the discipline "Industrial Buildings";
- Short lecture course on spatial planning of industrial territories ", module 2; (together with Prof. Dr. Architect L. Sivrev, textbook), volume 336; in the lectures are given modern performances of buildings and complexes in the scope of the industrial territories; A significant place is occupied by "Typological classification of industrial territories. Zoning of the functional-planning structure. Advantages and disadvantages of different types of buildings. Role of technology for shaping. Versatility and flexibility. "(Page 64, lecture 4)

On page 18 the minimum norms in the land plot (in meters and square meters) should be indicated in the international system "Si";

On page 119, the title "Master Plan of Pharmaceutical ..." is not complete.

- GUIDE for teaching practice in urban planning "Consideration of urban complexes" (on the example of the central part of Samokov and Kyustendil); III year, specialty: "Architecture". ISBN: 978-954-331-055-5; 90 pages of illustrations. Author: ch. Assistant Professor Dr. Arch. Dimitar Vlasarev.

• The management is approved by the Dean of the Faculty of Architecture of VSU "Lyuben Karavelov", Assoc. Prof. Dr. Arch. Borislav Borisov and has been coordinated with the curriculum in the discipline of urban planning I and II, and on the basis of prepared assignments and studies by Ch. Assistant Arch. Em. Sardarev. The author is grateful for the recommendations of Prof. Dr. Arch. P. Dobrev. Sofia. 2014

The author provides excerpts that are important and useful for the educational process.

- Excerpt from the Spatial Planning Act (SPA) in force since 31.03.2001; p.15;
 - Excerpt from Ordinance № 2 of June 29, 2004 on planning and design of communication and transport systems in urban areas; page 16; - Excerpt from Ordinance № 4 of 21 May 2001 on the scope and content of investment projects; page 47; - Excerpt from Ordinance № 6 of 26 November 2003 on building an accessible environment in urban areas; page 49; - Excerpt from Ordinance № 7 of 22 December 2003 on rules and regulations for the development of individual types of territories and development zones; page 56; - Excerpt from Ordinance № 8 of 14 June 2001 on the volume and content of development schemes and plans; page 70.
 - Guidelines and sample studies for the preparation of course projects and internships for students in the discipline of Urban Planning. III-IV course, specialty: "Architecture". Sofia - 2015. Author: ch. Assistant Professor Dr. Arch. Dimitar Vlasarev. Page 123.
- Excerpts from the Guide are repeated in the text (and are not mentioned in the literature). An integral part of the instructions is the album "Practice of Urban Planning", Samokov, for students: Svetlana Stoyanova, AF 0516; Natalie Nikolova, AF 0523; Denitsa Ivanova, AF 0513; Alexander Kehayov, AF 0607. (pp. 21-33); of the town of Kyustendil - also; (pp. 34-39), Ivan Ivanov, AF 0527; Gergana Todorova AF 0418; Anne Hodjeva, AF 0605 and others.
- MANUAL for a course project on "Industrial Buildings I"; IV year, specialty: "Architecture"; Sofia - 2019. Author: Assoc. Prof. Dr. Arch. Dimitar Stefanov Vlasarev Print: ET "VIK" 96. ISBN: 978-954-331-102-6.

The management is approved by the head of the department "GTIA" and rector of VSU "Lyuben Karavelov" Prof. Dr. Arch. Borislav Borisov, and is coordinated with the curriculum in the discipline

"Industrial Buildings I", based on the assignment, studies by the author, who expresses gratitude for all the recommendations given to him in compiling this guide, as well as for the topics of the assignment. developed jointly with Assoc. Prof. Dr. Arch. B. Mancheva. The bibliography lists 17 sources.

- Given in «III.3. CRITERIA FOR EVALUATION OF PROJECTS REGARDING THE IMPLEMENTATION OF THE REQUIREMENTS OF ARCHITECTURAL DESIGN - CONCEPTUAL SOLUTION », which are within the scope of the respective design decision:

- Compliance of the project solution with the goals, tasks and requirements set in the Design Assignment;
- Application of the theoretical knowledge obtained in the lectures, in the process of practical realization of the project in industrial architecture; - Preparation of clear and logical functional zoning of the master plan;
- Formation of a green system, based on the characteristics of different tree and shrub species, in connection with the role on the ecology of the production area; - General vision and literacy of the design, clear demarcation of human and freight paths according to regulatory requirements in spatial planning and investment design, in terms of: sizing, easements, building boundaries and communications. "

- MANUAL for a course project on "Industrial Buildings II" (Production Territories), IV course, specialty: "Architecture"; Sofia - 2019. ISBN: 978-954-331-104-0. Page 103. The bibliography includes 19 sources.

On page 20 are indicated "VI. CRITERIA AND METHODOLOGY FOR EVALUATION OF COURSES PROJECTS". The Commission evaluates the projects according to the requirements in the terms of reference on the basis of the prepared graphic and textual project documentation, as well as according to their reporting and protection by their author. The evaluation methodology shall indicate the degree of implementation according to the set criteria. "

For use by students are provided "examples of transport spaces and light dimensions, selected combinations of sizing vehicles (dimensions in brackets: for limited safety distances"); (P. 63); typed cross sections (page 64); applicability of different types of street bloodshed; (p. 73); outer diameter of roundabouts; (p. 80); vertical curves at internal ramps; (p. 93); graphic elements of the Master Plan; (p. 94); graphic elements of the detailed urban plan; (P. 98) and others. The tabular data aim to facilitate the project learning activities of the students by properly linking the projects with the legal framework. The candidate is both a leader of exercises, seminars and an organizer of extracurricular activities in a practical environment. As a result of publications on educational and pedagogical activities, Associate Professor Dr. Arch. Dimitar Vlasarev collects 80 points. (24. "Published university textbook or textbook used in the school network", according to the table of scientific metrics.)

5. Scientific and scientific-applied contributions of the candidate, accepted by the reviewer

I. Scientific contributions

Improving the structural structure

1. It is proposed to improve the development structure within the framework of the general and detailed plans of the settlements, affecting the production territories with agricultural purpose. The place and the role of the farmyards for buildings and complexes for storage and production of plant and animal products in the general framework of the development plan are clarified.

(ORGANIZATIONAL CONVERSION OF THE FORMER AGRICULTURAL YARDS FOR NEW PRODUCTIONS OF INDUSTRY AND AGRICULTURE, LANDSCAPE AND GREEN-78- GREEN4-331 SYSTEM;

Agricultural clusters

2. Localization of farmyards by agricultural clusters for storage and production of plant and animal products on the basis of sanitary and hygienic requirements is introduced, which to a significant extent scientifically substantiates the planning of general and detailed development plans with regard to the development regimes and the organization of the sanitary protection zones in the plan, and the ecology in their scope. (ORGANIZATIONAL CONVERSION OF THE FORMER AGRICULTURAL YARDS FOR NEW

PRODUCTIONS OF INDUSTRY AND AGRICULTURE, LANDSCAPE AND GREEN-78- GREEN4-3-3 SYSTEM.

Methodical approach in the study and design of public spaces in the central urban areas

3. A methodical approach is created in the research and design of the public spaces from the central urban parts of the medium and small towns, as a structural theoretical model is developed in the research. (CURRENT PROBLEMS AND DEVELOPMENT MEASURES IN THE PLANNING OF THE SMALL TOWN IN BULGARIA; ISBN: 978-954-331-107-1)

Green system integration

4. A theoretical proposal is created in the structural aspect for integration of a green system, public service and cultural-historical heritage. (CURRENT PROBLEMS AND DEVELOPMENT MEASURES IN THE PLANNING OF THE SMALL TOWN IN BULGARIA; ISBN: 978-954-331-107-1)

II. Scientific and applied contributions

Methodology on the issues of sustainable development of farmyards and agro-industrial territories

1. A methodology shall be introduced, on the issues of sustainable development of the farmyards and the agro-production territories with regard to their place in the development plan (Master Plan and Detailed Urban Plan), to include land plots falling within sanitary protection zones, intended for "landscaping" or for other functions compatible with the functions of food complexes industry and agriculture. (ORGANIZATIONAL CONVERSION OF THE FORMER AGRICULTURAL YARDS FOR NEW PRODUCTIONS OF INDUSTRY AND AGRICULTURE, LANDSCAPING AND GREEN-78-784-3 SYSTEM;

Conceptual solutions of some central urban areas

2. As a scientific-applied contribution, new views and conceptual solutions of some central urban parts of the considered small and medium-sized cities are proposed in the study for the design practice. (CURRENT PROBLEMS AND DEVELOPMENT MEASURES IN THE PLANNING OF THE SMALL TOWN IN BULGARIA; ISBN: 978-954-331-107-1)

6. Evaluation of the personal contribution of the candidate

The author of the works has made significant scientific and scientific-applied contributions, especially useful for architectural practice. The candidate successfully works in a wide range of scientific fields 5.7. Architecture, construction and geodesy, successfully participating in the curricula of the department and the university. The citations of the candidate in publications of authors (13.1-13.9) in item 13 are cited. Citations in monographs and collective volumes with scientific review. A characteristic moment are the collective publications, which show opportunities for good work in the author's team. They are cited in the production of other authors.

[6] Vlasarev D., Tsvetkov S, *Multi-storey car parks and garages, IX International Scientific Conference on Architecture and Construction ArCivE2019, May 31 – June 2, 2019, Varna, Bulgaria II.1;*

Quoted by Mancheva-Velkova B., Architectural and compositional solutions of a complex, including a car showroom and a garage, Jubilee International Scientific Conference VSU "L. Karavelov ", 2019, Sofia, 1.12 pp. (ISSN 1314-071X)

[5] Vlasarev D., Andreev A., *Buildings for storage of fruits and vegetables, current solutions and design principles, canning plants for fruits and vegetables, modern problems, XVI International Scientific Conference VSU "L. Karavelov ", Sofia 2016, volume III, 215-221 p. 2016, S., (ISSN 1314-071X)*

Quoted by Mancheva-Velkova B., Tsvetkov St., Design of fruit stores, X Jubilee International Scientific Conference "Design and Construction of Buildings and Facilities", September 20-22, 2018, Varna.

Methodologically, the level of work is in line with modern trends for correct and accurate interpretation of the problems. The publications highlight important points from the specifics of: wineries, (8.8 WINE

CELLARS ON SLOPE - DEVELOPMENTAL TRENDS AND SOLUTIONS); fruit warehouses, (8.29. FRUIT AND VEGETABLE STORAGE BUILDINGS, CURRENT SOLUTIONS AND PRINCIPLES OF DESIGN, CANNED FRUIT AND VEGETABLE ENTERPRISES, VEGETABLES, VEGETABLES, VEGETABLES); Cluster (8.14. CLUSTER structures in agriculture, agroecology and organic farming; 8.16. SPATIAL CONVERSION OF ANY AGROSTOPANSKI AREAS FOR AGRICULTURAL CLUSTERS, functional and spatial solutions - examples of mill complexes;

8.28. SMALL AND MEDIUM ENTERPRISES, ANALYSIS AND RESULTS OF A STRUCTURAL STUDY FOR PLANNING COMPLEXES FROM PRODUCTION CLUSTERS); green system (8.6 THE FUNCTIONAL AND AESTHETIC ROLE OF THE GREEN SYSTEM IN THE PRODUCTION TERRITORIES); recreational axes, (8.15. RECREATIONAL AXES IN THE PRODUCTION ZONES); BALNEOLOGY, (8.20. THE ROLE OF BALNEOLOGY BUILDINGS IN THE TOWN OF KYUSTENDIL, OPPORTUNITIES FOR RENEWAL OF ITS MODERN URBAN ENVIRONMENT, etc)

7. Notes and recommendation

- In Bulgaria, "According to Art. 3 and 11 of the Law on Measurements, only units of the International System of Units (SI) are allowed for use, which are not used in the sizes described in the text on page 6, line 32 of this review!

- Summaries of your publication without keywords in Bulgarian. These are: 8.11; 8.14; 8.16; 8.28.

- Someone post without abstracts in English: These are: 8.21; 8.22; 8.24; 8.25; 8.26;

The notes made / do not have much influence on the issue of achievements in the author's works.

8. Personal impressions

The candidate has collected a wealth of factual material, collected and well processed (with graphic design in color - in monographs, textbooks and teaching aids), which is in accordance with the announced competition for "professor" in the professional field 5.7. Architecture, construction and geodesy. The contributions are well formulated and give an idea of a built and completed researcher and lecturer with a "thirst" for high professional achievements. As a creative director, the candidate was awarded the Golden Order of Labor for Mill, Sofia. For the period from 2014-2018, a list of 15 projects and realizations is presented, revealing a wide range of professional activity. The applicant submitted a table for implementation of the minimum national requirements under Art. 1a, para. 2 of PRASRB with an impressive 1119.55 points.

CONCLUSION

After getting acquainted with the materials and scientific papers presented in the competition, analysis of their significance and contained scientific, scientific and applied contributions, I give my positive assessment and recommend to the Scientific Jury to propose to the Scientific Council at VSU "Lyuben Karavelov" to choose an associate professor Dr. Arch. Dimitar Stefanov Vlasarev to take the academic position of "professor" in the professional field 5.7. Architecture, 5.7. Architecture, construction and geodesy, in the scientific specialty: "Territorial and landscape planning and urban planning".



October-November 2021

Reviewer:

Professor Dr. Arch. Yanko Alexandrov