

Standpoint

by Prof. Dr. Arch. Yordan Vasilev Radev,

Lecturer in the Department of Industrial and Agricultural Building
at the Faculty of Architecture of UACEG, the last one
vocational rehabilitation 5.7.

"Architecture, Construction and Geodesy", specialty 02.17.05

"Architecture of buildings, structures, facilities and details" scientific field
Technical Sciences; living in Sofia 1164, bul.
64. Hristo Smirnenski tel. 02 866 82 01

on the Thesis of Mag.arch. Hassoon Allawi Al-Mamoori for the Doctorate Degree in
Professional Degree 5.7. Architecture, Construction and Surveying ", specialty 02.17.05.

"Architecture of buildings, structures, facilities and details", scientific field "Engineering"

doctoral student of self-study at the State University, New Bulgarian University

"according to an order of the Rector of NBU 3-rk-48 of 21.11.2016 and" the Law for the
Development of Academic Staff, the Regulations for its Implementation and the Regulation for
the Development of the Academic Staff of NBU and was dismissed, with the right of defense on
10.07 2019.

The dissertation work was discussed and proposed for defense by the Faculty Council at the
"Master's Faculty" at regular meeting № 11, held on 26.07.2019.

According to the Dean's Report and Order # 3-PK-11 of September 26, 2019, the Rector of NBU
was appointed to the scientific jury, which was assigned to conduct the procedure for the defense of
the dissertation work of Arch. Hasun Alui Al Mammuri on:

“Urbanization and town planning of Baquba”

Scientific adviser: Prof. Dr. Arch. Konstantin Boyadzhiev.

Dear Mr. President,

Dear members of the Scientific Jury,

Allow me, as a member of the Scientific Jury, to present my assignment from the Rector of
NBU Opinion on the work of the Doctoral student on the topic of
his dissertation work on the qualities and achievements of her presented artistic-

creative, research and applied material and experience of the author as an architect, teacher and administrator.

Technical and CVs:

The data in folder # 1 is presented and arranged in view of the required volume and content for participation in the competition.

- **folder 1 contains:**

applications, enrollment documents, work program, exam reports, Master's Degree in Higher Education at UACEG-Sofia, minutes of meetings of the Faculty Board of the Department of Architecture of the NBU, in which the dissertation work was considered, certificates for completed and taught the courses and awards described in his Creative Autobiography, and more. required documents as required. Attached is a list of the reports and participation in the PhD student's scientific programs published in the city of Diyala, Iraq - Journal of Engineering Sciences;

- **folder 2 contains:** 31-page abstract – Autoreferate of his dissertation, Bibliography, list of publications and participation in international conferences.

The autoreferate complies with the requirements of the Regulation for training of doctoral students and post-graduate students. Copies of his reports and contributions to scientific programs and conferences are attached; A copy of the "Dialogue for Public Scientific Work" at DIYALA UNIVERSITY, Baquba ".

- **folder 3 contains:** Dissertation in volume of 198 A4 typewritten pages, saturated with rich illustrative material of 170 color illustrations and 10 schemes, comprising: Introduction and 3 main chapters; Conclusion; Bibliography of figures and photographs; Bibliography of used literature sources with 52 electronic and printed titles.

For the purposes of the Opinion, the material is considered in an order different from that presented in the autoreferate, according to Appendix 5 to the Ordinance on the development of the academic staff of the NBU-MODEL FOR THE STRUCTURE OF SCIENTIFIC LABOR FOR ACQUISITION SCIENTIFIC DEGREE

Doctor of Science at NBU - as follows:

I. Significance of the problem under study in scientific and applied science.

The author undertakes research on an extremely serious, highly discussed and delicate topic, which is especially relevant today because of the inevitable increase of problems in the country, and in particular in the city of Baquba, as well as in many other major cities of Iraq. Another postwar period that inherited devastating destruction and

significant migration of the population, necessitate restructuring of the city, new zoning, new transport network, spaces and buildings to be implemented within the framework of the new General Structural Plan and Regulations.

The problems of the development of the city of Baquba, which is currently expanding in all directions and contrary to its latest urban plan, according to the doctoral student's research and analysis, necessitate a rethinking of both the zoning of new neighborhoods and green spaces and of the transport networks connecting new neighborhoods with the revitalization of the old part of town.

II. The validity of the goals and objectives in the thesis

The author carefully selects his topic and the time period of the research - in historical sequence, tracing the local climatogeographic conditions and the created traditional social, urban and architectural and construction features, highlights the positive features and problems with illegal construction in the past and at the moment, at the expense of the Greens area, justifying the need to create new, serving cultural and administrative areas and recreation areas.

Baquba, the capital of Diyala province, located in eastern Iraq between the Tiger River and the Iranian border, is an important part of ancient civilizations throughout the country.

The thesis of the dissertation aims to evaluate both the historical traditions and values, as well as the architectural footprints and the potential for the development of Diyala with the adequacy of Iraq's existing urbanism legislation. As a result of the author undertakes in-depth analysis to make suggestions for its improvement in order to ensure a natural and tradition-friendly development that develops the mentioned above potential. The purpose is precisely formulated - through the Analysis and systematization of the factors of influences, forms and spaces characteristic of traditions and motives in the development of town planning and residential architecture has, over the centuries, produced (SWOT) analysis highlighting the strengths and weaknesses, opportunities and threats arising from the internal and external environment in the District and the city. Съответствие между избраната методология и методика на изследване и поставената цел и задачи на дисертационния труд.

The dissertation uses: the historical-chronological method in the selection of information for the construction of the Concept, the comparative analysis - to form the conclusions and conclusions and the inductive method for summarizing the most characteristic elements, relationships and relationships in the Idea and Program for necessary actions,

spaces and shapes, ending with a number of valid proposals. I consider the purpose and tasks of the dissertation to be fulfilled successfully.

The periods considered in more detail cover:

- Iraqi Monarchy (1921)
- The Republic and the Ba'ath (1958)
- The regime of Saddam Hussein (1979-2003)
- Inter-allied occupation (2003-2011)

present the development of 9 pcs. General Structural Plans (1959, 1974, 1988, 1994, 2003, 2004, 2006, 2013 and 2014)

Here it seems to me that the concretization was deliberately omitted:

"There is a need for political and economic development for cities to develop continuity, and the serious "interruptions" that occur quite often at the level of political leaders, regimes and parties could not stimulate urban development. "

The author formulates three phases through which, in his view, "Iraqi urban planning must go" and proposes an "Action Plan". Although Chapter 2 discusses "Contemporary Issues in the City of Baquba-Diyala.", The author again delves into a number of political events in the history of Iraq after World War I and the British mandate (1914), including the capital Baghdad and the attempts of Frank Lloyd Wright and Le Corbusier to solve the problems of the prize, but "More realistic and more professional-looking ... The Baghdad General Master Plan designed by the Poles in 1967 , including the cities of Basra, Karbala, Mosul, and finally Baquba, as "... an important junction connecting trade routes to other cities of Iraq, to Iran, and an important stop on the Silk Road."

As a side note I would like to point out that when we are introduced to the features of urban development and the architecture of major cities in Iraq, the regional integration and the unity of architecture between them, characteristic of each country, are little affected. Although in **item.3.3.5. Guidelines to be followed in the development of urbanism in Iraq**

The author recommends: "There will also be a need for coordinated action between different actors in the cities,....we try to critically analyze urban areas, the problems they face and the existing legislative framework with which they are related, as well as the governance policies practiced in Iraq. "Common patterns, dependencies and trends in urban development, by proposing the elaboration of a "National Complex Scheme" or "Uniform Spatial Plan "of the country. Of course, this could be the next stage.

II. Assessment of dissertation publications: number, nature of publications, in which they were published.

The author presents himself with:

- 3 pcs. publications in the Journal of Engineering Sciences, Baquba, Diyala District.

1.) "Problems with the planning of transport networks and their

impact on urban growth of Baquba City" Publishing vol.10, No 4 of DJES. 2017 and

2.) "The effect of accidental urban expansion on the urban plan of the city of Bakuba" Paper ID: 542-2017S, Baquba - Diyala district, 2019 and

3). Green Buildings and Sustainable Architecture - Research in the Engineering Sciences Magazine, 2014 Baquba.

- 9 projects of residential buildings and shops in Baghdad, Libya and Bulgaria - Sofia;

- 2 scientific conferences and the corresponding 2 editions of reports in the journals of the Union of Engineers in Iraq.

V. Citation from other authors, scientific press reviews, etc.

The PhD student uses citations from many authors (Bulgarian and foreign), correctly noted in the bibliography. There are no citations of him by other authors. Reports delivered to an international audience at Diyala University (2 issues) and NBU are recognized as an "impact factor".

V II. In conclusion:

Based on the material provided to me and the overall activity of the doctoral student, I can confidently recommend that the Specialized Scientific Jury award an arch. Hassoon Allawi Al - Mamoori - Doctoral Student in Self-Preparation at the NBU Architecture Department Educational and Scientific Degree "Doctor" in Professional Degree 5.7. Architecture, Construction and Surveying ", specialty 02.17.05.

"Architecture of buildings, structures, facilities and details", scientific field "Engineering Sciences

Thank you for your attention!

Sofia, December 2019.

MANUFACTURED BY:.....

(Prof. Dr. Arch. Yordan Radev)