

Standpoint

by Prof. Dr. Eng. Penyo Dosev Stolarov

scientific specialty "Architecture of buildings, structures, facilities and details" from PN 5.7
"Architecture, construction and geodesy"

SUBJECT: Dissertation thesis for the acquisition of the educational and scientific degree "doctor" in professional field 5.7. Architecture, Construction and Surveying, with Ph.D. Hassoon Allawi Hassoon Al-Mamoori, PhD in Self-Study at the Architecture of Buildings, Structures, Facilities and Parts, New Bulgarian University, Master's Degree, Department of Architecture.

TOPIC: "Urbanization and Town Planning of Baquba"

SCIENTIFIC SUPERVISOR: Prof. Dr. Arch. Georgi Georgiev

The standpoint was prepared on the basis of Order No. 3-PK-16 of 09.10.2019 of the Rector of NBU, by which I am approved as a member of the scientific jury.

Present from Arch. Hassoon Allawi Hassoon Al-mamoori materials are in accordance with the Law on the ZRAS, the Regulations for its implementation and the Regulation for the development of the academic staff of NBU for the award of the educational and scientific degree "Doctor" and contain:

- thesis work;
- autoreferate;
- CV - European model;
- author's publications on the subject.

The dissertation contains 198 pages, 115 figures, bibliography - 107 sources. The dissertation is structured in an introduction, three chapters, a conclusion, scientific contributions, a list of illustrations - figures, photos and diagrams - 170 pieces, a list of tables - 10 pieces, a bibliography - 52 literature sources.

The topicality of the dissertation is determined by the problems accumulated over time in the development of Baquba and its adjacent spaces, necessitating the restructuring of the city, new functional zoning and connection with new transport infrastructure.

The author of the dissertation successfully deals with the topic by offering the necessary urban planning interventions by means of a thorough historical-urban analysis of the development of a territory marked by many civilization strata from ancient times. The dissertation presented is a complex scientific study of these problems and can serve as a model for further research in other urban areas in Iraq.

The importance of the problem under study in scientific and practical terms is indisputable, which determines its relevance. The problems studied have various dimensions - architectural, urban, socio-cultural, economic, environmental, technical, etc.

Arch. Hassoon Allawi Hassoon Al-mamoori is well versed in the issues under study, and his dissertation "Urbanization and Town Planning in the Baquba" is a comprehensive scientific study. Literature sources used in the research are relevant to the topic of the thesis and are correctly cited. The methods of research adopted by the doctoral student are in accordance with the complexity of the problem and the goal. A chronological approach was used, related to the presence of many cultural and historical layers in the territory explored by the author. Attached by Arch. Hassoon Allawi Hassoon Al-mamoori's research methods enable him to achieve the goals and objectives set in his dissertation.

The dissertation work of Arch. Hassoon Allawi Hassoon Al-mamoori is logically structured, the text is richly illustrated, with the author consistently and convincingly presenting his theses. The theoretical model of the study is substantiated and properly developed.

The dissertation work of Arch. Hassoon Allawi Hassoon Al-Mamoori is devoted to a little-known topic in Bulgaria, which is related to the long-standing work of a doctoral student as a designer and teacher in Iraq. The paper contains both theoretical and practically applicable results, offering concrete ideas for the future development of Baquba.

The main contributions to the dissertation are:

- the historical review and, on this basis, the analysis of the elements of contemporary Iraqi architecture, with its positive and negative aspects,
- the specific functional proposals regarding the urban development of Bakuba - a new urban center with a proposed location chosen by the author, a museum for exhibiting

- and preserving historical and archeological exhibits, a hotel and recreation sites on the banks of the Diyala River and other central city servicing and commercial buildings
- promising future directions for development - the return to traditional Arabic forms and the language of architecture,

The autoreferate presents the dissertation work faithfully and meets the legal requirements, and it correctly sets out the main productions, content, achieved results and scientific contributions, as well as the author's statements and publications on the topic of the dissertation. Its volume is 30 pages Arch. Hassoon Allawi has 2 scientific papers published on the topic of his thesis, published in the DIYALA Journal of Engineering Sciences - the national academic scientific publication in Iraq in 2017 and 2018.

CONCLUSION

The dissertation work of the doctoral student corresponds to the requirements of the ZRASRB, the Regulations to it and the normative documents of the New Bulgarian University in this field. The dissertation demonstrates thoroughness in the field of research as well as the author's ability to combine theoretical and practically applicable knowledge and results and opportunities for independent scientific research,

Based on the merits of the work presented, I recommend that the venerable scientific jury award an arch. Hassoon Allawi Hassoon Al-Mamoori Educational and Scientific Degree in Doctor of Science in Architecture of Buildings, Structures, Structures and Details from Professional Degree 5.7. "Architecture, Construction and Surveying."

December 2019

Drafted the opinion:

Prof. Dr. Eng. Penyo Stolarov