

## STRUCTURAL-DYNAMIC ORGANIZATION OF PHYTOCENOSES OF FOREST AND FOREST-STEPPE VEGETATION TYPES IN SOUTH-WEST PRE-BAIKAL

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### ABSTRACT

The problem of assessment of the state of ecosystems and of the forecast of changes in them in the whole and in vegetation cover structure in particular is basic for modern biogeographic, geobotanical, biocoenotic and ecological studies. Studies of spatial-temporal organization of vegetation reflecting practically all environmental changes during a concrete time period for concrete physical-geographic conditions on any territory requires a synthesis of different research fields for studies of different types of phytocoenoses. At such approach, a phytocoenosis is considered as a system, which forms and develops as a unit and makes interdependent links with systems of other hierarchical level and ecotope conditions. Revealing of phytocoenoses structure and of their response to climatic fluctuations in the zones of contact of different vegetation types, communities typification and classification under transitional environmental conditions allows to determine trends of their formation under modern environmental conditions and to find out the development way of vegetation on the background of dynamics and variability of climate in a concrete region.

**Key words:** forest and forest-steppe, structural-dynamic organization of vegetation, South-West of Pre-Baikal

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## IMPROVEMENT OF GREEN PUBLIC SPACE IN RESIDENTIAL COMPLEXES: A TOOL FOR GREEN COMMUNITY

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### ABSTRACT

One of the critical issues in housing quality in urban areas is to develop and adopt effective strategies for enhancing the quality of community, eventually revitalizing the idea of green housing in contemporary residential complexes. Based on the assumption that the characteristics of contemporary residential communities might differ from those of traditional ones, this research aimed to reinterpret strategies for the activation of green public spaces in a modern context. This research conducted a questionnaire survey to investigate the conditions in selected residential complexes in metropolitan areas in Iran, and the residents' perceptions and demands on the concept of green community. Based on the results of the survey, planning scenarios as well as a green community model were proposed, then applicable methods and services extracted from the scenarios was developed.

**Keywords:** green community; residential complex; public space

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## DOPPLER ULTRASONOGRAPHY WAVEFORMS CHANGES IN IUGR AND THEIR VALUES IN THE RELEVANT MANAGEMENT OF PREGNANCY

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### ABSTRACT

Intrauterine Growth Restriction (IUGR) means the ultrasonography recording by estimated foetal weight (EFW) below than 10<sup>th</sup> percentile for its gestational age. This group includes foetuses that do not reach their genetic potential for intrauterine growth and indicates a small foetus that is deprived compared to the previous ultrasonography assessment (usually for a placental reason). This retrospective study includes unique complicated pregnancies with IUGR, between 26-37 weeks GA, in the years 2014-2017 and is performed in University Hospital of Obstetrics and Gynecology "Koço Gliozheni", in Tirana, Albania. The inclusion criteria in this study were: the exact age of pregnancy (LMGA or from the ultrasound before 20 weeks); EFW in ultrasound < p.10th; the early beginning of placental insufficiency is when PI > p.95th for GA and CPR < 1.04; all of the pregnant women included in this study had more than three Doppler ultrasonography examinations before delivery, where Doppler parameters of AU were obtained: presence of diastole, absence or reverse flow. Patients with chromosomal anomalies have been excluded from the study. The monitoring intervals and the moment of birth were done by the doctors who followed the pregnancy. Neonatal features, birth details, indications and birth delivery, age of pregnancy, birth weight, Apgar, are recorded for each patient. In the baby's birth day were recorded all the changes in the Doppler and the progression of Doppler abnormalities from one examination to the other. Although is calculated the time from the occurrence of abnormal Doppler until the baby was born.

**Key words:** age, artery, growth, gestational, intrauterine, restriction, umbilical.

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