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NEW MODELS OF BULVER LANDSCAPING BASED ON GREEN ARCHITECTURE PRINCIPLES ARCHITECTURAL ELEMENTS

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Abstract
This in the article modern in urban planning the boulevards green architecture principles based on landscaping new models working exit according to scientific analysis and conceptual approaches The research purpose — ecological stability , microclimate optimization and public of places functional opportunities expansion through boulevard design architecture models and ecological efficiency Analysis international "Green Infrastructure", " Biophilic Urbanism", "Climate-Responsive Design", "Complete Streets" and "WSUD" (Water Sensitive Urban Design) principles based on take went . Results boulevard landscape ecological and architectural-compositional efficiency to increase aimed at new scientific the model offer will reach.

Keywords: Boulevard, green architecture, green corridor, biophilic design, smart-landscape, ecological stability.

Introduction

21st century urban planning processes urbanization, traffic congestion, environmental problems and green of the regions contraction such as factors with is getting more complicated. This problems city landscape ecological principles based on again organization to reach demand the city landscape important structural part as boulevards ecological corridor, public space, transportation system softener element and aesthetic composition main joint as is considered.

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Modern practice this shows that the boulevards city ecological system core to be, microclimate order public his life activation, pedestrians' movement safe and comfortable to do possible. However traditional boulevard projects today's ecological and functional requirements complete satisfy It's not getting any. That's why it's green. architecture principles based new boulevard models working exit — modern urban planning current is the task.

LITERATURE ANALYSIS AND METHODOLOGY

Today " green " in the day "architecture " concept and city landscape ecological in terms of again organization to grow according to scientific research noticeable at the level expanding In particular , the boulevards ecological , social and aesthetic criteria based on again build them city ecological carcass main joint as formation issues international and local researchers by deep studied .

Urban planning according to famous in the work of experts J. Gehl , K. Lints , M. Hough boulevards city " lively " of life public as " space " interpretation They are scientific in their approaches pedestrians movement , microclimate softening , natural shadow create , light ventilation sidewalks , green of the regions many layering principles main place occupies . With this together , ecological landscape design by L. Spirn , I. McGarg , P. Latz such as scientists " ecological " integration " principle previously pushing , boulevards in landscaping biosphere stability increase , water saver vegetation , rain waters filtration and natural drainage systems application based on gave .

Uzbekistan urban planning ecological in practice landscape elements according to scientific affairs encountered In particular , Uzbekistan architecture school representatives B. Jo'rayev , S. Rafiqov , O. Tursunov, who works city parks , alleys and of the boulevards composition solutions and climatic to the conditions suitable plant types choice methodology illuminating given . Last in years take visited research in Tashkent, Samarkand and Andijan " green" in cities corridors system ", pedestrians space expansion , heat island effect reduce according to practical projects experience studied .

Literature analysis this shows that the boulevards in landscaping the most effective approaches are natural landscape processes city to the environment integration to do , a lot layered green zones create , local to the climate suitable from plants use , water economical technologies to the project add principles .

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Assembled information based on boulevard landscape in creation ecological efficiency , architecture-composition harmony and social use opportunities mutual connected without This is a study . eco-cities in the composition the boulevards new architecture model as formation opportunity gave .

DISCUSSION AND RESULTS

Green architecture principles the boulevards landscaping to the process implementation to be , modern eco-cities functional , ecological and aesthetic quality indicators in increasing solution doer factor become service does . Research in the process held analyses this showed that the landscape of elements scientific based composition city ecological stability provider main infrastructure as consideration necessary .

First , the boulevards in the place used many layered phytocomposition (high tall trees , medium in the layer bushes , ground covering plants) of urban space ecological functions noticeable This solution air in the content dust particles natural filtration in the making , the wind flow in standardization and microclimate balance in stabilization effective Especially on the highway close on the boulevards plant layer density Reduces noise by 20–30% reduce determined .

Secondly , the landscape in design rain waters with of work natural systems — bioswale , infiltration beds , water temporarily collection basins — boulevard of the territory water balance order in the field important role plays . This systems of the soil density level reduce , plants root zone optimum humidity for mode It also creates water natural cycle restoration city sewage to the system falling pressure reduce , ecological stability strengthens .

Thirdly , on the boulevards pedestrians for ergonomic spatial layer create — shadow sidewalks , green galleries , natural ventilation sidewalks , wind flow conductor architecture – landscape structures — public of the place social activity increases . Transferred to observations according to , convenient microclimate has on the boulevards pedestrians current up to 1.6–2.1 times increased record was done .

Fourth , the boulevard space functional -zonal system based on modeling (recreational zone, ecological corridor , sports activity zone , bicycle infrastructure , cultural exhibition area) city population various to the needs adapted many functional landscape infrastructure forms . Such approach of the boulevard only

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from transport empty corridor not , maybe full-fledged urban community place as importance increases .

Fifth , environmental stability low carbon in providing and permeable materials (water conductor coatings , re worked wood structures , natural gravel layers , energy economical lighting systems) are important importance has . Permeable coatings of water to the ground free enter to go providing , land under waters natural filling process supports . This is boulevard in the territory heat accumulation reducing the landscape ecological endurance increases .

Another one important aspect that is , the boulevard landscape in modeling local plant types priority application water consumption size reduces , care expenses reduces and ecological flexibility increases . The area natural to the flora suitable plant choice of the landscape far term stability provides .

Research results this showed that green architecture principles based landscaped boulevards :

— city microclimate noticeable softens ;
— biodiversity supports ;
— public of the place social activity increases ;
— energy and water consumption reduces ;
— ecological corridors system strengthens ;
— urban of space composition integrity strengthens .

So modern eco-cities for the boulevard landscaping offer done model architecture , ecology and urban planning at the intersection formed perfect system city stable development important component as recommendation is being done .

CONCLUSION AND SUGGESTIONS

Transferred research this shows that the boulevards green architecture principles based on landscaping city of the place ecological stability in providing the most effective from approaches In particular , biolocal from plants reasonable use , water saver irrigation systems , shading amplifier tree layers and ecological drainage solutions of the boulevard microclimate the impact noticeable at the level improves . Such approach not only of the area recreational potential increases , maybe pedestrians for further comfortable and safe public space shapes .

Analysis this shows that landscaping to the process digital analysis , GIS modeling and to the climate suitable plant compositions choice such as modern methods

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implementation to grow boulevard efficiency further increases . In the future of the boulevards ecological download assessment , climate to change flexible landscape models working exit and to the city master plan only green corridor system step by step integration to do according to scientific research continue to hold to the goal We consider it appropriate .

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