



# Urban Conflict : Tehran- Light pollution and its effect on the trees

Case Study : Valiasr Street

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# Conflict



## Street character

- Valiasr Street or Pahlavi Street is a tree-lined street
- Dividing Tehran into western and eastern parts
- Built in 1922 to 1927, finished in 1933
- The longest street in the Middle East



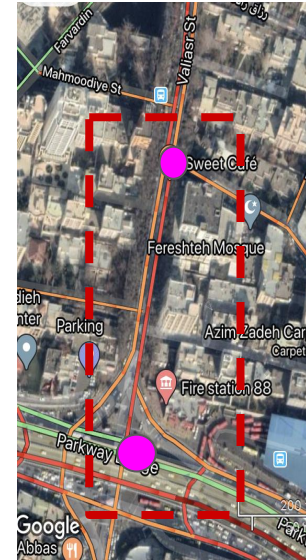
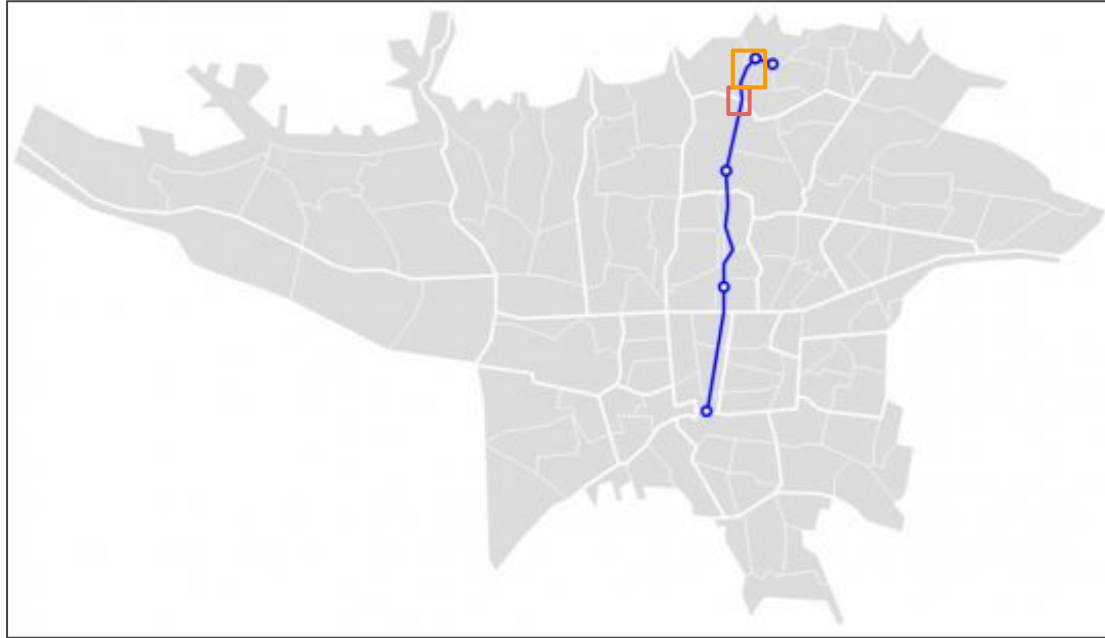
## Light Pollution

“Light pollution is excessive, misdirected, or obtrusive artificial (usually outdoor) light. Too much light pollution has consequences: it washes out starlight in the night sky, interferes with astronomical research, disrupts ecosystems, has adverse health effects and wastes energy.”(globeatnight, n.d.)

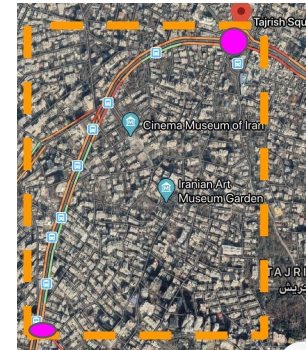
Inserting lights under trees //  
Delaying the natural cycle of tree's growth //  
Reduce the life of trees by 6-10 years



# Where ?



**Phase I**  
Phase I started from Parkway Bridge till Fereshteh district.



**Phase II**  
This Project in the second phase expanded till Tajrish Square.

# When?

**2013** start of phase I as pilot project

**2013** Expansion of the project till Tajrish Square

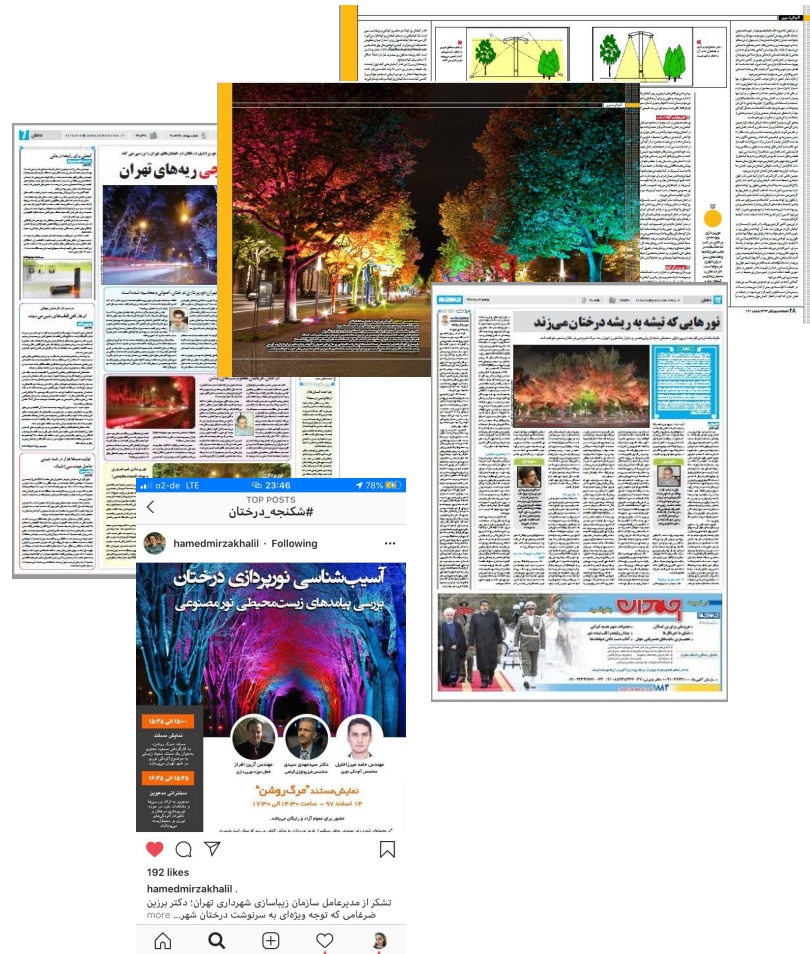
**2014** First Article against this project in Nojoom magazine (Astronomy) by urban activist, Dark sky Representative “Hamed Mirzakhali”

**2015** An interview with professionals in fields of Urban design, Environmentalist experts and Dark sky Representative on newspaper

**2015** Article in Jam-e-jam newspaper // inviting people in adjacent neighborhoods // influencing people through social media // writing letter to the mayor by the dark sky representative Mr. H.M // Participating in Tv programs

**2019** Holding a meeting by Tehran Beautification Organization // Screening the first documentary about the light pollution and its influence of the trees as “Bright Death”

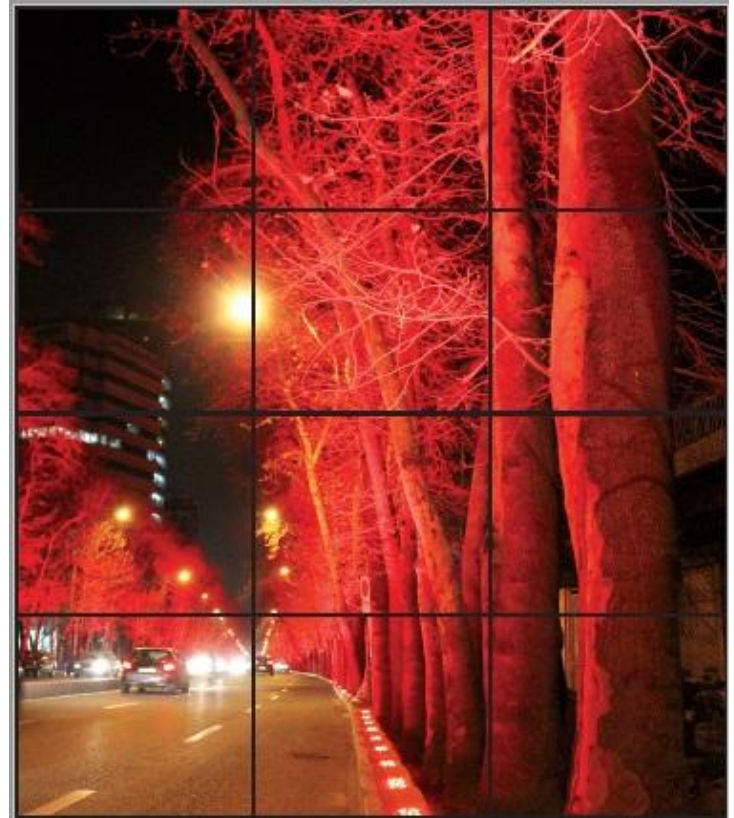
**2020** Stop the project



# Stakeholders

## Tehran Municipality and its related organization

- Tehran Beautification Organization
- Tehran Parks and Green Space Organization



تولید آبی شور گرچه می‌تواند نحوه مصرف آب را تحت تأثیر قرار می‌دهد، ولی اگر نامناسب انجام شود، روی سلامت انسان و سلامت زیست‌محیطی درختان تأثیرات منفی دارد. درختانی که به عنوان یک به‌زیستی شهری دادند، به خاطر نور مصنوعی که شب‌ها به آنها می‌تابد، دچار اختلال در فعالیت‌های زیست‌محیطی می‌شوند و رشد آنها از حالت طبیعی خارج می‌شود. در پایتخت، جویان سنگی به میدان تجریش، این‌گونه جواب درختان را می‌دهند. درختان این جویان جواب درختان را می‌دهند. [بسیار مهم است](#).



**Daneshmand |** Poor lighting in cities affects not only visual seeing, but also has a devastating impact on human health and biological hours of trees. Trees that have been forced to urban life are affected by biological activity and growth in abnormal system. This is one of the northern streets of Tehran closed to Tajrish square. Photo: Sepideh Chahel

# Forms of Protests

- Newspaper
- Social media
- Petition
- Interview
- Meeting with Mayor

