LITERATURE SURVEY

Team Id : PNT2022TMID20714

Project Name : Emerging Methods For Early Detection Of Forest Fires

TITTLE	AUTHOR AND YEAR	PROBLEM PROPOSED	LIMITATIONS	PROBLEM SOLUTION
A review on early forest fire detection systems using optical remote sensing	Panagiotis Barmpoutis Konsmas Dimitropoulas Nikos Grammalidis(2020)	To review a review of early forest fire detection systems	These are affected by weather conditions and in many cases,their flight time is limited	Early fire detection multispectral imaging systems,terrestrial,aerial,satellite, Artificial intelligence
Natural hazards wildfires	Prof.David(E.Alexander)	Forest and rangeland fires are a source of important eldogical and economic damage. A wildfire burns out of control and threatens people buildings or resources	1.Lightning strikes 2.Human negligence and vandalism (greatest at the urban rural interface)	Do not burn any materials that are combustible or unusual in nature
The influence of climate change on forest fires in Yunnan province, Southwest china detected by GRACE satellites	Lilu cui Chaolong yao Zhengbo zou(2022)	The analyze the influence of climate change on forest tines in Yunnan	Climate change affects the occurrence of forest fines by changing the dryness ob combustibles through temperature, Precipitation, Evapotranspiration etc.	The results show that GRACE satellites can detect the influence of climate change on forest fire Yunnan province
Emerging method for detecting early forest fires using	G.V.Hristor Diyana kyuchukova Jordan Raychev(2018)	There are primary aimed at the early detection	Cause devasting damage to both nature and humans,air pollution,every	The modern IR cameras,unmanned aerial vehicles in fight against the forest fires as replacement of the piloted aircrafts

unmanned Aerial vehicles and Lorawan sensor network		of the fires	fire huge amounts of gases released in the atmosphere	
S-mart forest fires early detection sensory system: Another approach of utilizing wireless sensor and neutral networks	Hamdy soliman(2010)	This aim of this paper is to implement a forest fire early detection system using small and cheap sensor nodes which can be left unattended	Forest fire all costly and dangerous because they cause extensive damage both to property and human life	The SFFEDSS unit able to not only detect fire but also accurately report the direction of fire progress which is deduced from the wind direction
Adoption of image surface parameter under moving edge computing in the construction of mountain fire warning method	Chen cheng Hui zhou Danning wang(2020)	The purpose of this study is to project mountain fires based on MEC	Due to the importance of natural and human activities,fire hazard is extremely easy to occur,affects the safety of maintain resource and human life and property	1.A hierarchical discriminant analysis algorithm for image feature extraction. 2.The design of mobile image acquisition software. 3.Image recognition an optimization algorithm under MEC environment.
Holistic approach of forest fire protection of split and Dalmatia country of croatia	Darko stipanicev Ranko vujic(2014)	Dalmatia is highly affected by forest fires during the summer	Rusting in burned down wood mass of 125.000ms which expressed in energy	1.To animate and make financially attractive for local inhabitants collecting of lopping,chopped wood,dry trundles on the massive scale 2.Thin forests and keep the wooded area as clean and passable as reasonably possible