| **TITTLE** | **AUTHOR AND YEAR** | **PROBLEM PROPOSED** | **LIMITATIONS** | **PROBLEM SOLUTION** |
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| Emerging method for early detection of forest fires using unmanned Aerial vehicles and Lorawan sensor network | G.V.Hristor  Diyana kyuchukova  Jordan Raychev(2018) | There are primary aimed at the early detection of the fires | Cause devasting damage to both nature and humans,air pollution,every fire huge amounts of gases released in the atmosphere | The modern IR cameras,unmanned aerial vehicles in fight against the forest fires as replacement of the piloted aircrafts |
| 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 |
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| 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 |
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| 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 |