



## **RADIATION**

AND HOW TO CONTAIN IT.

Welcome.....

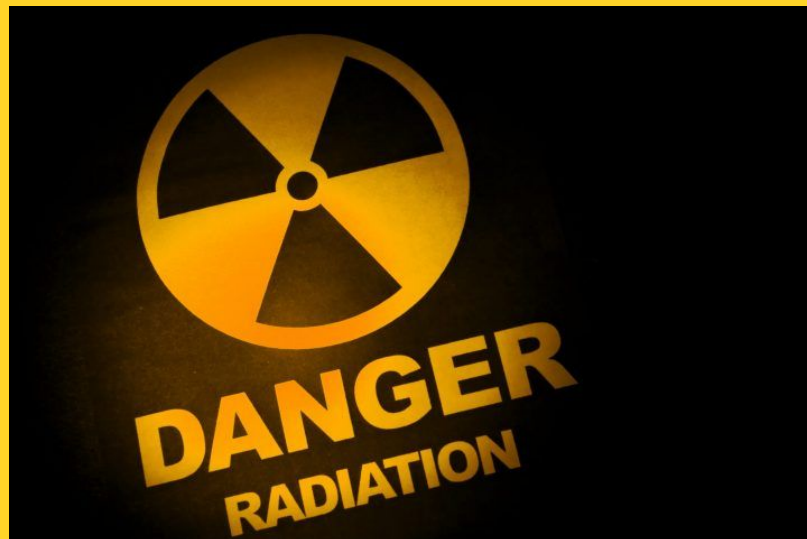
# • ABSTRACT:

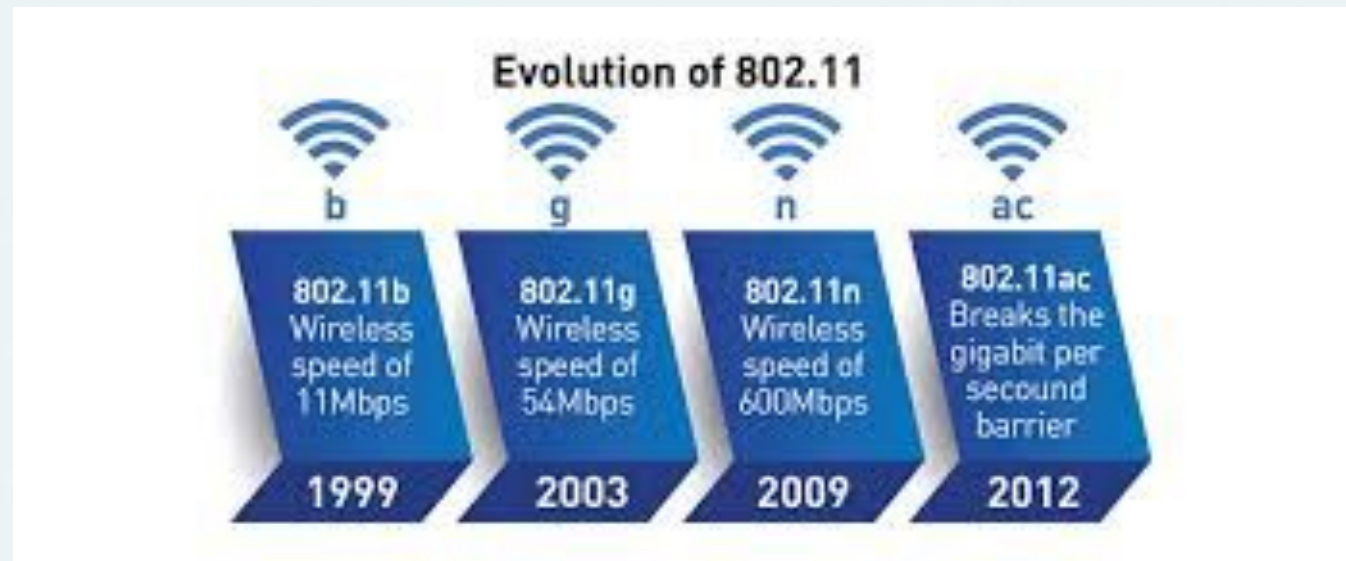
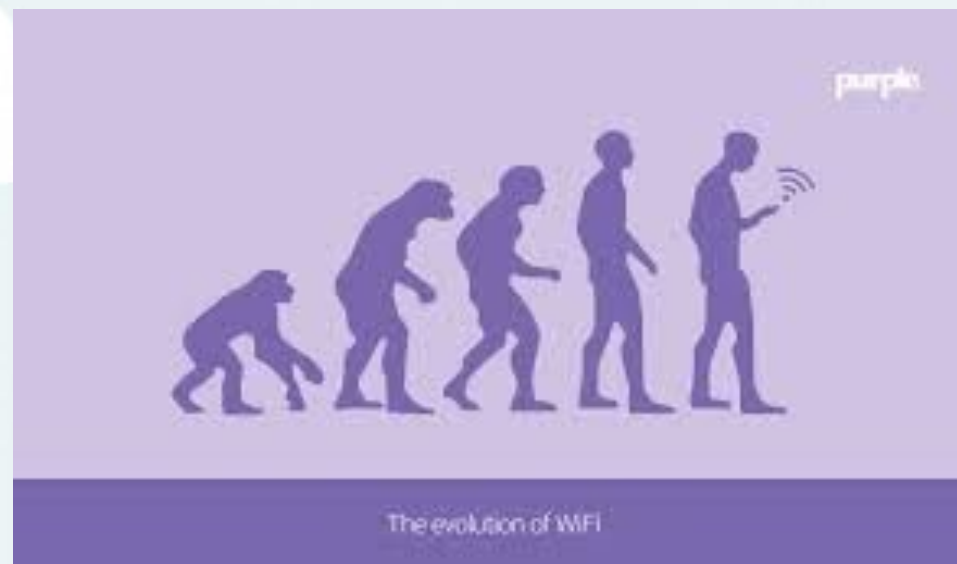
- The main objective about this project and the way to modify WIFI to limit the harmful effects of it's radiation.
- The way WIFI and wireless networks have taken a hold on us,and developing day by day
- History about wireless networks and its evolution.
- Types of Wifi routers.
- Wifi routers emits emf's which are partially dangerous for human body.
- WIFI effects Humans as well as the most of the affected are the birds,insects.
- Remedies
- Some mechanical remedies according to our perspective.
- Conclusion.



## Main motive behind this Article.

Wifi routers emits emf's which are partially dangerous for human body,since we humans have capability to repair the damage ourselves.But what about receiving wifi radiation from a whole tower where we are residing or a society.Even though we may be taking precautions to contain the wifi radiation by switching off it at night.We must be thinking that we are safe from the radition since we have stopped our wifi at night.But what about others we still receive wifi signals from other users so basically we are under the radiation exposure of other wifi users



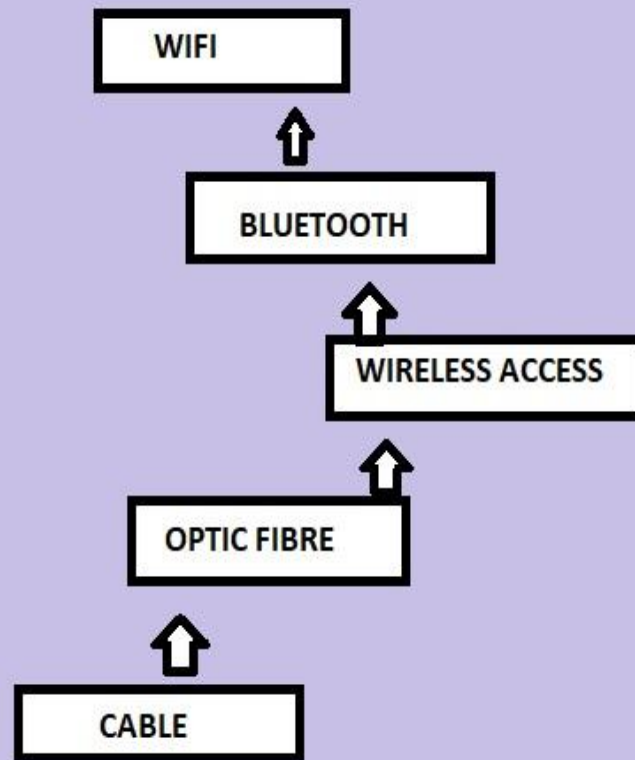


The more the speed we want the more the routers emits radiation (EMF's) which is harmful.



# INTRODUCTION OF WIRELESS NETWORKS TO OUR WORLD AND THE WAY IT HAS EVOLVED.

## NETWORK EVOLUTION



**1G**



**2G**



**3G**



**4G**



**5G**



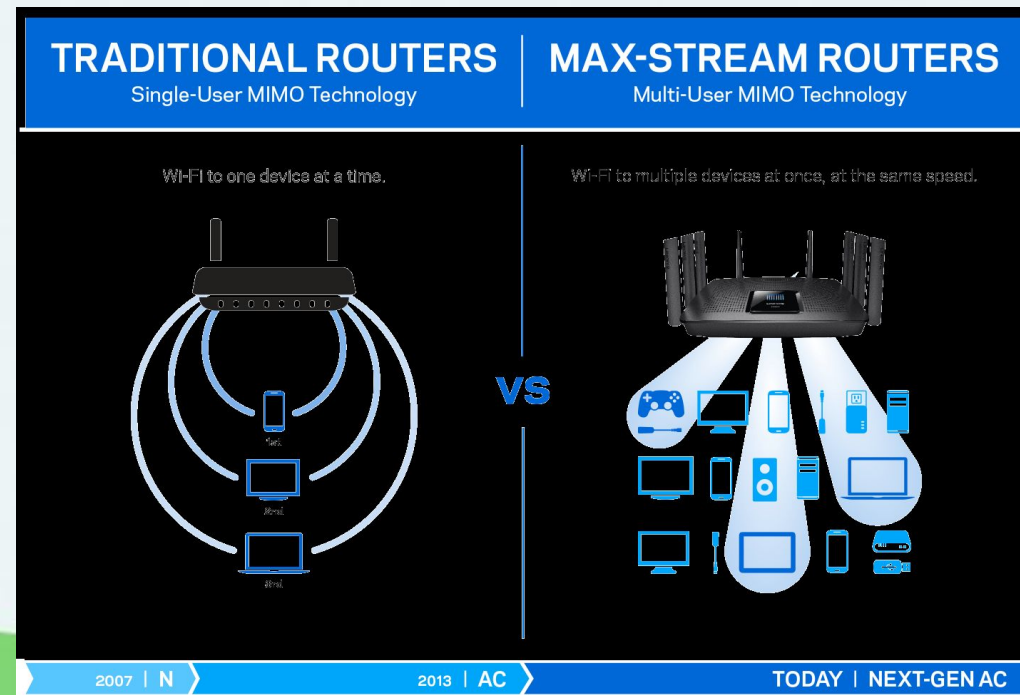
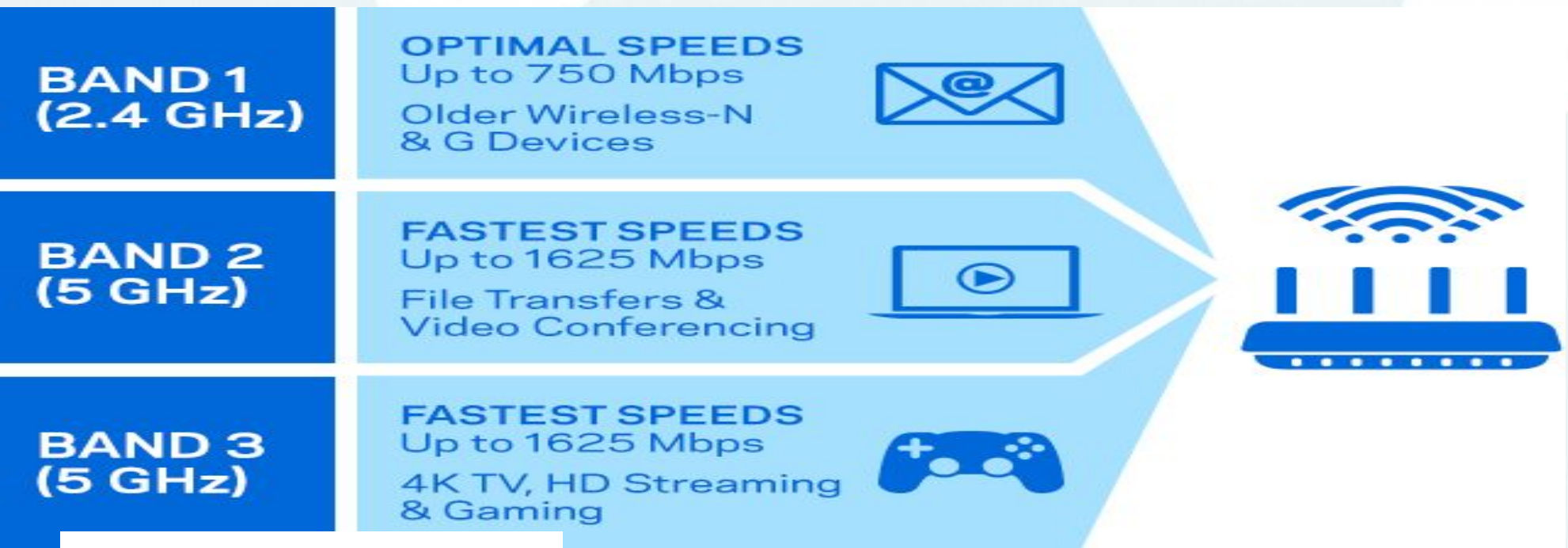


# WHAT IS WIFI ?AND HOW DOES IT WORKS?

Wi-Fi (also known as WiFi or WLAN) is a wireless network involving at least one Wi-Fi antenna connected to the internet and a series of computers, laptops and/or other wireless devices communicating wirelessly with the Wi-Fi antenna. In this way, each such wireless communication device can communicate wirelessly with the internet. All the studies reviewed here were of Wi-Fi using the 2.4 GHz band, although there is also a 5 GHz band reserved for possible Wi-Fi use.



# TYPES OF WIFI ROUTERS:-



# Wifi Routers and emission of EMF's in the atmosphere

- Repeated Wi-Fi studies show that Wi-Fi causes oxidative stress, sperm/testicular damage, neuropsychiatric effects including EEG changes, apoptosis, cellular DNA damage, endocrine changes, and calcium overload.
- Cellular DNA damage can cause cancer because of Wifi radiation.
- There may be many some solutions to limit the radiation of our own wifi router but what about the radiation emitted by our neighbour's router or a enterprise having a night shift.
- Due the emission of radiation into the atmosphere birds are the most affected,they are vulnerable to cellular damage more than the humans.

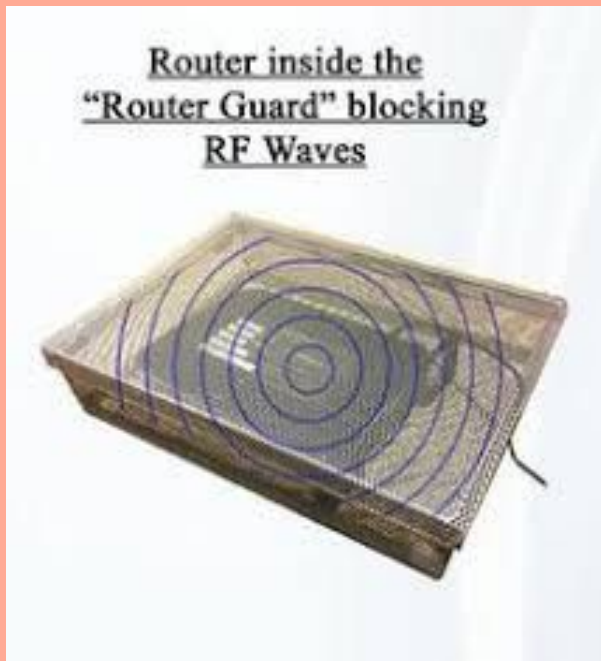


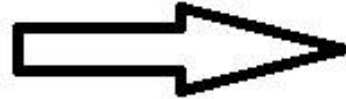
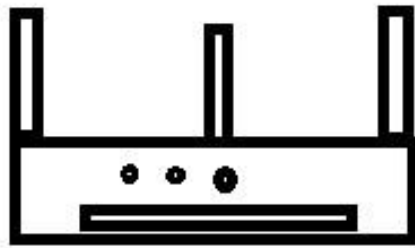


## REMEDIES:-

There have been many ways a person can limit the wifi exposure

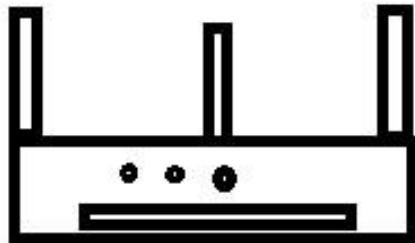
- By switching off the wifi router at night and putting the phone on flight mode will lessen the effect of radiation exposure.
- Earthing the router
- Using wired internet connections instead of routers.
- Introducing Faraday's cage.





TRANSMITS  
EMF's which  
is Positive ions

But what if there is router that transmits negative ions like in an air purifier. It will simply try to neutralise the effect of positive ions in the surroundings.



Transmits negative ions..

+ions=-ions



## Reduce Your Exposure to Wi-Fi Radiation without Eliminating It

I know that some people can't quite bring themselves to surrender their wireless devices so here are some tips on **minimizing Wi-Fi without eliminating Wi-Fi**.



### Keep your distance

Wi-Fi radiation drops off significantly with distance (called the inverse square law). Many routers have a strong enough signal to maintain a connection up to 100m from the router.



### Switch off at Night

Studies tell us that the biggest danger with Wi-Fi radiation comes from nighttime exposures; cellular regeneration, rejuvenation, and detoxification is impeded and notably melatonin production can be significantly reduced.



### Use USB Adaptors Wisely

If you use a USB Wi-Fi adapter (for PCs that don't have a built in wireless network interface card) use it on a USB extension cable (10 feet or more). The same goes if you use a 3G USB dongle to connect to the Internet while you are traveling, an extension cable will significantly reduce your exposure. The dangers of Wi-Fi are real. Use the above tips to eliminate or reduce your exposure to Wi-Fi radiation.



DefenderShield  
(800) 499-2418  
<http://defendershield.com>

## Conclusion:-

So far throughout our presentation we have found out that Wifi has become an integral part of our daily life.

Just as a coin has two sides Wifi ,even though it is important in our day to day life it also as an adverse effect on our Environment as well as us humans.

It is not only harmful to us humans but it can prove fatal to birds and animals by endangering the ecosystem.

So in the end we can conclude by saying that we can reduce the effect of wifi radiation by using earthing,introducing negative ions in our atmosphere and by simply turning towards wired networks.

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# Thank you

