

Technology Impact on Birds

Marck Francis*

Department of pesticide regulation, University of California Agriculture & Natural Resources, USA

ABSTRACT

Cellular phones are essential to our lives and so are the cellular phone base stations. They are not simply free standing towers but a balloon of invisible electromagnetic field with radiations that continue to threaten life around them, specifically of the birds.

Keywords: Birds; Electromagnetic field; Radiation; Cell towers

DESCRIPTION

Electromagnetic field and radiations that are invisible to human eye are omnipresent. There are several natural and anthropogenic sources that generate electromagnetic field in the surrounding air like television towers, radio towers and cell phone towers. Amongst the various anthropogenic sources, cellular mobile base stations are the major contributors to the electromagnetic field and radiations in the immediate environment

The invent and spread of cell phones to almost every individual in every home around the world has massively increased the amount of unseen electromagnetic radiations into the atmosphere.

Radiation from cellular mobile base stations is almost identical to that from mobile phones of the same system (GSM 900 or 1800), except that it is simply more powerful. GSM 900 mobile phones emit radiations with a frequency between 890 and 915 MHz, while base stations emit radiations between 935 and 960 MHz. Overall, stronger the field, greater is the undesirable impact of the electromagnetic field on life

How do Cell Towers Kill Birds?

Birds are known to be sensitive to magnetic radiation. Increasing number of cell phone towers in cities apparently are bringing down bird population. The microwaves (300 MHz to 300 GHz) emitted by cell phone towers and handsets has been found to be responsible for damaging eggs and embryos of sparrows.

Does Wi-Fi kill Birds?

A new review suggests electromagnetic radiation from the world's communication systems - including WiFi, 2G/3G/4G, and powerlines - now poses a 'credible threat' to plants, insects, birds, and other animals. It could disrupt birds' and bugs' orientation and movement, and affect plant metabolic health, Buglife warns.

Why are all the Birds Dying 2020?

The cause is not at all clear, with some scientists theorizing that climate change factors are playing a part. Most of the birds are insect eaters, and they've been found emaciated and disoriented, suggesting a gap in the food supply. There's also speculation that wildfires are affecting the lives of these birds.

How Can We Save Birds from Radiation?

We should minimize the use of cell phones as much as we can.

Prefer to make only important calls or at least cut down your talking time over cell phones to minimal time.

Try to communicate through text messages instead of making a call to cause less radiation.

Reasons Why We Need to Save Birds

They keep the climate stable, oxygenate air and transform pollutants into nutrients. Birds play an important role in the effective functioning of these systems. As birds are high up in the food chain, they are also good indicators of the general state of our biodiversity. For maintaining a healthy ecological balance

Correspondence to: Francis M, Department of pesticide regulation, University of California Agriculture & Natural Resources, USA, E-mail: Francismk@123.edu

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on this earth, animals, plants and birds marine species are as important as humans. Each organism on this earth has a unique place in food chain that helps contribute to the ecosystem in its own special way. But, sadly today, many of the animals and birds are getting endangered.

CONCLUSION

Cellular phones are essential to our lives for all the communications. However, their extensive usage and upgraded

services continue to threaten the species diversity and the lives of different birds in the region. While the cellular phones cannot be completely wiped out of our lives, it is important to find an alternative technology that can keep the wireless communication strong but do not pose any risk to the lives of these little creatures around us. Bird diversity is important to keep the plant diversity and all the researchers must try to begin looking for alternative technology for safe surroundings.