

ABSTRACT/SUMMARY

The threat posed by destructive birds to economic cereals like millet and paddy in the farms, facilities requirement for the use of an effective bird repeller in such locations. Many attempts have been made to develop successful bird repeller systems like scarecrow.

Hence the electronic bird repeller project was motivated to be done due to that problem and this device will operate at a different range of 15-25 kHz which is known to be disturbing to birds. The output of the integral oscillator was fed to piezzo transducers which will produce sound at a different frequency so that the sound cannot be familiar to these birds. Therefore piezzo was able to drive birds away from designated areas.

And this device is working more effective to cover a large area on a dull day than on a sunny day. About 5-6 of the second device is expected to cover one hectare of field. The device is solar powered, eliminating the cost of fuel. It is environmentally friendly.